

Healing Outpatient Experience Tower (H.O.P.E. Tower)

NEPTUNE CITY, NEW JERSEY

Architect:

EYP, Houston

Vitro Architectural Glass Products:

Solarban® 70 Glass

Solarban® 72 Starphire® Glass

Vitro Certified™ Fabricator:

J.E. Berkowitz, Pedricktown, New Jersey

Glazing Contractor:

National Glass & Metal Co.

Horsham, Pennsylvania

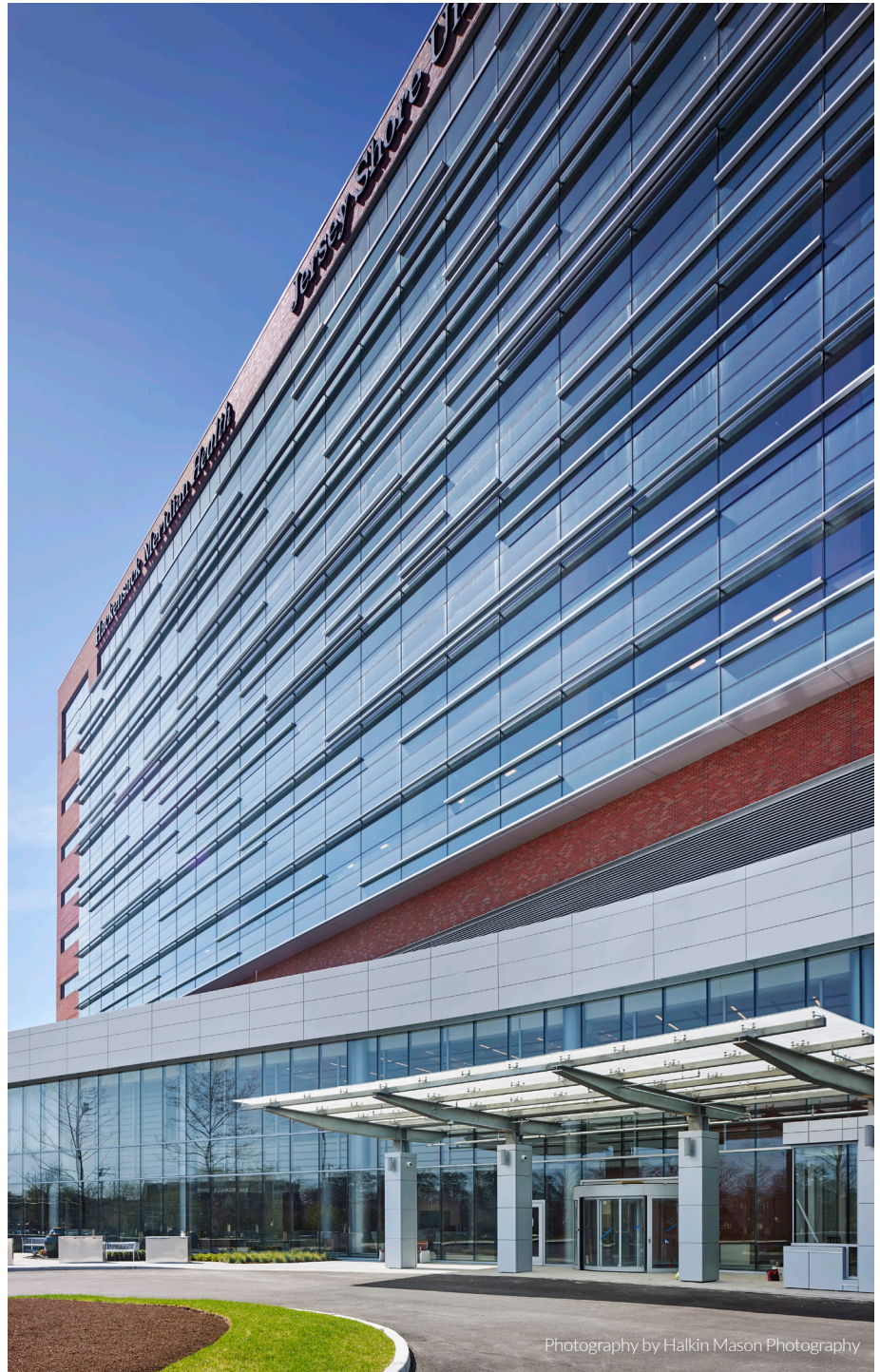
PROJECT BACKGROUND

The Healing Outpatient Experience Tower (H.O.P.E. Tower) at Jersey Shore University Medical Center, Neptune City, New Jersey, was recently completed with the help of the *Vitro Concierge Program™*, an exclusive service designed to ensure supply-chain success for large, complex or high-profile commercial construction projects.

Shattering the old stereotype of hospitals with tiny, punched windows and low window-to-wall ratios, architect EYP specified generous quantities of *Solarban® 70* and *Solarban® 72 Starphire®* glasses for the 10-story, full-service hospital, which also houses a 58,000-square-foot state-of-the-art cancer center, the region's only academic university-level teaching center.

Fabricated by J.E. Berkowitz, Pedricktown, New Jersey, the vision glazing for the two-story, entry-level concourse features both glasses and provides visual continuity through the waiting areas along the south façade of the tower.

"The fenestration at the HOPE Tower was used to optimize access to daylight and exterior views while also creating an inviting and lightweight visual experience," reports Tushar Gupta, FAIA, design principal, EYP.



Photography by Halkin Mason Photography

Solarban® 70 and *Solarban® 72 Starphire®* glass by Vitro Architectural Glass were used to optimize daylight and exterior views at the Healing Outpatient Experience Tower.

H.O.P.E. Tower, NEPTUNE CITY, NEW JERSEY

“For the podium and stair tower where the experience of the glass is more intimate, we specified a triple-silver coating (*Solarban*® 72 glass) on low-iron glass (*Starphire*® glass) because of its enhanced solar performance and color neutral aesthetics,” states EYP senior building performance analyst Brandon Andow, Ph.D., RA. “For the tower, which is experienced at a greater distance, we chose a triple-silver coating on clear glass to align the glazing color with the rest of the campus while not compromising solar performance.”

By creating architectural interest with the podium and tower typology, building designers help ensure patients and visitors in the tower’s first floor waiting area and second-floor oncology unit enjoy peaceful views of a living wall and garden.

“This was achieved by identifying glass that has a color neutral appearance and low exterior reflectance. A triple-silver solar control coating on low-iron glass met both criteria and was used along the concourse,” reports EYP project designer Yin Jiang, Ph.D., AIA.

When coated on a clear glass substrate in a 1-inch insulating glass unit, *Solarban*® 70 glass delivers a low solar heat gain coefficient (SHGC) of 0.27, with 64% visible light transmittance (VLT). *Solarban*® 72 glass on a low-iron *Starphire*® glass substrate delivers a slightly higher VLT of 68% with a 0.28 SHGC.

To further limit solar heat gain, EYP specified interior horizontal sunshades at the upper portion of the south concourse and an exterior horizontal sunshade along the transom of the vision glass on the south façade. “In order to improve occupant visual comfort and add the warmth of natural materials, a series of interior horizontal wood louvers were incorporated along the concourse curtainwall,” Gupta added.

The green tint of *Solarban*® 70 glass blends well with green hues throughout the campus and the use of horizontal mullion extensions adds a random rhythm and interest to the façade. *Starphire*® glass also was specified to

maximize the color fidelity of the spandrels, which were placed along the south tower to maintain visual lightness and counter large areas of brick.

Julia Giba, manager of the *Vetro Concierge Program*™, said that despite some initial delays, the project proceeded smoothly once it got started. The *Vetro Concierge Program*™ is ideal for projects such as HOPE Tower because it enables fabricators to gain priority access to specified glass products, reserve ordered items and work with Vetro to manage production scheduling to meet the specific logistical demands of a project.



The design of the Healing Outpatient Experience Tower breaks the hospital stereotype by featuring expansive windows featuring *Solarban*® 70 glass, which has a slight green tint that blends well with other green hues throughout the campus.

About the *Vetro Concierge Program*™

The *Vetro Concierge Program*™ is designed to help ensure supply-chain success for large or complex construction projects fabricated with products from Vetro Architectural Glass (formerly PPG glass). It's available at no cost to members of the *Vetro Certified*™ Network and their glazing contractor customers in the U.S. and Canada.

While most projects, even very large ones, can be handled effectively by *Vetro Certified*™ Network's normal supply chain approach and with standard Vetro inventory, some unique projects with atypical glass

configurations or non-standard glass components require extra production and logistics management. The *Vetro Concierge Program*™ provides customized coordination through a dedicated *Vetro Concierge Program*™ manager, who will align Vetro inventory and production schedules, even providing priority access and reserving inventory and glass production scheduling.

To learn more about the *Vetro Concierge Program*™, visit Concierge.VetroGlazings.com, call 412-820-8004 or email concierge@vetro.com.

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