



MEDIA CONTACT: Heather West (612) 724-8760, [heatherwest@earthlink.net](mailto:heatherwest@earthlink.net)

## **Wausau Helps The Johns Hopkins University's Research Building Maintain Aesthetics, Performance, Schedule**

Wausau, Wis. – Helping address the complex visual and high-performance needs of The Johns Hopkins University's new 10-story Broadway Research Building, Wausau Window and Wall Systems® provided specialty contractors CBO Glass and Tidewater Glazing with a pre-glazed curtainwall system to ease Turner Construction Company's accelerated construction schedule.

Located on the southeast corner of Broadway and Madison Street, the \$140 million building is known as the "gateway" to the JHU's East Baltimore campus and a new "front door" to the medical school. Fully occupied in January 2004, the 372,000-square-foot facility provides six floors of state-of-the-art biomedical research laboratories, a connecting pavilion, office suites and seminar rooms to support the School of Medicine Continuing Medical Education programs.

Designed by Boston-based Payette Associates, the building is a striking departure from the traditional red brick buildings that dot much of the Hopkins medical campus. The new Broadway Research Building visually walks visitors' eyes to a glass-enclosed box called "The Object," which houses a faculty lounge and coffee shop and connects to the adjacent Ross Research Building.

"The structural complexity of this building still amazes me," says Steve Fronек, Wausau's vice president of research and development. "When you walk from the Broadway Research Building to The Object you are exiting the third floor and travel through this glass cube interchange. At first, it may seem as if you are at ground level because there's grass on the pavilion's roof, but then you walk down through the pavilion and onto the real street level below."

Fronек continues, "The west end's glass 'steps' are actually each two-story sections of curtainwall enclosing interior spaces of impressive height. The supporting building structure was ingeniously transitioned by the design team into adjacent single-story spaces."

"It was an extremely difficult project that turned into an absolutely beautiful building," says Tidewater's Ray Jennings. "Wausau's unitized curtainwall was pre-assembled and -glazed, which let us keep a low labor rate. It went up really quickly. Using a floor crane and a three-man crew, we were able to install a floor every three days, or about 30 to 35 units per day. This saved us a lot of time and we needed it so that we could concentrate on the labor intensive high span curtainwall along the street level and The Object's geometrically complicated, stick-built system."

"Ray assisted in engineering a special anchor clip for Wausau's 7250 Series unitized curtainwall to help the installation go even faster and keep the job site running smoothly," explains Wausau representative Mark Gedney. "The pre-glazed system also ensured even greater quality control for the facility's acoustic, thermal and humidity performance. Given the research purpose of the building, there can't been any opportunity for moisture collection, so we provided a system with a high condensation resistance."

In addition to the 34,823-square-feet of unitized, high-performance curtainwall, Wausau manufactured 13,678-square-feet of SuperWall for the pavilion and bridge area plus an additional 9,180-square-feet for the ground floor and “The Object” observation box; incorporated sunshade aluminum cap extensions on all the curtainwall’s horizontal members; and engineered a 16,420-square-foot truss wall system. All framing and accent aluminum was finished by Linetec in a three coat, XL silver, 70 percent Kynar® paint.

“Wausau was highly responsive with pieces and parts. That sensitivity can make or break us out there. From Mark (Gedney) to their project manager Kurt Beidle to the whole Midwestern team – they did an excellent job,” Jennings adds. “From start to finish, we were able to wrap up the installation in 18 months.”

Starting in September 2003, the building’s occupants began moving in and seemed excited about their new research facility. “We need spaces that integrate treatment, research and teaching, and that are flexible and visionary enough to adapt to clinic, technological and research advances that we cannot begin to imagine,” observes Edward D. Miller, M.D, CEO of Johns Hopkins Medicine and dean of its medical facility. “Within its walls will come discoveries we trust will benefit the world.”

*Nationally recognized for its innovative expertise, Wausau Window and Wall Systems is an industry leader in engineering window and curtainwall systems for commercial and institutional construction applications. For 50 years, Wausau has worked closely with architects, building owners and contractors to realize their vision for aesthetic beauty and lasting value, while striving to maintain the highest level of customer service, communication and overall satisfaction.*

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