WINCO WINDOW

Washington University

St. Louis, MO

Washington University and WINCO Window Company Partnership Spans Decades

WINCO Window Company in St. Louis is just a stone's throw from one of the world's most prestigious universities — Washington University. For more than 30 years, WINCO has been supplying windows for the University's iconic Collegiate Gothic-styled campus, but the relationship has gone far beyond mere buyer and seller.

WINCO and Washington University (called Wash U by the locals) have worked together as co-educators, exchanged new technologies, built architectural student projects together, and conducted plant tours for engineering and architecture students, faculty, and facilities managers. WINCO's backyard proximity has saved the eco-conscious university countless dollars in shipping costs, and WINCO's advanced energy-efficient window products have contributed to many LEED points across campus. WINCO donated windows for architectural students to use in the 2017 Solar Decathlon, a design competition that challenges student teams to build full-size, solar-powered houses. The group designed and constructed an 800-square foot, 100-percent solar-powered house to demonstrate sustainability and resilience. Additional projects are planned for the future.

Perhaps one of Washington University's crowning architectural achievements was the transformation of its East End Danforth Campus, which overlooks the famed Forest Park, designed by landscape architect Frederick Olmstead in 1876. At the centerpiece of the campus is the majestic and historic Brookings Hall, a collegiate Gothic-style building that sits above the East End of the campus, built in 1900. As part of the massive transformation of the East End, Washington University chose a diverse group of architects to preserve and enhance the century-old buildings, while integrating relatively new contemporary construction throughout the 2010s. With its East End transformation, Wash U has successfully reinvigorated 20 percent of its campus, while addressing sustainability across the board.

WINCO played an important role in three of the East End buildings, all under the University's engineering programs, Preston M. Green Hall, Jubel Hall, and McKelvey Hall.

Henry A. and Elvira H. Jubel Hall

Wash U.'s New Home for Mechanical Engineering & Materials Science

Also located in the East End as one of three buildings in the Engineering complex at the northeast corner of campus, Henry A. and Elvira H. Jubel Hall houses classrooms, laboratories, faculty offices, gathering/study areas, and even a light metal products maker space.

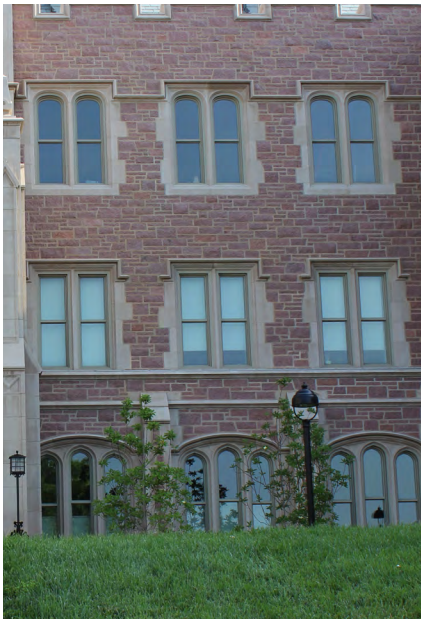
Jubel Hall was designed in a transitional style by Santa Monica, California-based Moore Ruble Yudell Architects & Planners with local firm Mackey Mitchell Architects. The building is a three-story lab with brick elevations, and punched windows featuring WINCO's 1150 and 1450 windows without grids.

The windows were finished with the classic Revere Gray 70% Kynar paint used throughout the campus. The windows and stone detailing evoke the Collegiate Gothic style, yet function with forward-thinking efficiency. LEED Silver is the minimum requirement for new construction on campus; however, the renovations to Jubel Hall are targeting LEED Gold certification — minimizing energy usage in part by bringing daylight deep into the floor plates.

Preston M. Green Hall

Wash U.'s New Home for Electrical & Systems Engineering

A new building with an old-world look, Preston M. Green Hall anchors the new engineering complex on the East End. Positioned on the diagonal, the two building wings form an impressive gateway welcoming students, professors, and visitors. Green Hall includes high-efficiency plumbing fixtures for water conservation, sustainably sourced wood products, controlled lighting, and HVAC for occupant comfort, and has been designed to meet LEED Gold standards.



Green Hall's new windows are the WINCO 1450S energy-efficient windows in a classic Revere Gray finish, which is echoed throughout the University in other WINCO projects. The extruded beveled glazing leg provides a clean appearance. While the traditional façade of the building integrates with the school's core European-style architecture, the modern spaces inside the building embody the University's commitment to cutting-edge research and education in renewable energy and sustainability.

The 1450S windows are surrounded by a custom panning designed by WINCO, one of the manufacturer's specialties. A unique pre and post-set panning sets off the window's depth and integrates with the cast stonework on the façade.

James M. McKelvey, Sr. Hall

Wash U.'s New Home for Computer Science & Engineering

On the northern edge of the park stands the James M. McKelvey, Sr. Hall, designed by Washington, D.C.–based Perkins Eastman. The new building is an amalgamation of styles: the outer perimeter matches the traditional Collegiate Gothic campus architecture with the red granite and limestone while the recently formed inner courtyard is clad in a modern and transparent glass facade.

Here again, the building is transitional in design but includes some Collegiate Gothic architecture, such as the WINCO 1450S Hung Replica energy-efficient windows styled with grids and trimmed in the classic Revere Gray finish. The 1450S Simulated Hung Replica series has the aesthetic of a hung window with the configuration of a fixed, projected, or casement window. The frame has a 4" depth and 1/8" wall thickness providing exceptional strength for a snug, durable fit into oversized sliding window openings that take advantage of daylight.

McKelvey strikes a metaphorical balance of tradition and modernity with Gothic and contemporary architecture. Faculty offices, research labs, work areas, and collaborative student spaces have a solid foundation along the masonry perimeter. In contrast, the contemporary, state-of-the-art computational research work areas fit neatly along the courtyard-facing, multi-story curtain wall.

Sustainability is paramount at Wash U. and that has been reflected in the design of new buildings as well as the renovation of older ones. Facilities, mechanical operations, and even landscaping all work toward creating a better, viable, long-term campus for the University and future generations.

Contact us for a project consultation on your next project!