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summer 22

RIGHT ON THE MONEY

FOR SAMMONS FINANCIAL GROUP CORPORATE HEADQUARTERS

Architect: SVPA Architects

Contractor: The Weitz Company

Structural Engineer: KPFF

Owner's Representative: KDC

Precaster: Enterprise Precast Concrete

PCI Certified Erector: Northwest Steel Erection, Inc.

Brick Manufacturer: Endicott Thin Brick & Tile LLC

Location: West Des Moines, IA



Norman and Evangeline Hagfors Center for Science, Business and Religion



The three-story Hagfors Center for Science, Business, and Religion at Augsburg University provides classroom, laboratory and research facilities for eight departments. Classrooms and labs have the flexibility to reconfigure, enabling an active, experiential learning process for various teaching and learning formats. The casual spaces foster interdisciplinary and collaborative

learning while outdoor spaces create teaching environments and opportunities for community engagement.

Recognizing the uniqueness of the structure, the design team included Wells technical sales and engineers early in the design process. As a result, potential issues were addressed early, enabling more design creativity - especially in regard to size and shape.

To create the building's envelope, Wells manufactured and erected insulated precast concrete wall panels with cast-in Versa-Brix 3D thin brick inlay system from Architectural Polymers. The exterior façade also features Endicott thin brick that provided the visual appeal of traditional masonry with the durability and economy of precast.

The main entrance includes an

interior precast soffit with the same thin brick and pattern as the exterior. This piece hangs from a structural steel frame above and was installed using special forklifts. Special thin brick shapes were used to create the 130-degree building corner at the main entry. Wells was able to match the mortar joint color, texture and shape of the field-set brick.

The completed Center has become an ideal place for Augsburg University students to pursue degrees in a 21st century urban campus in the heart of Minneapolis.

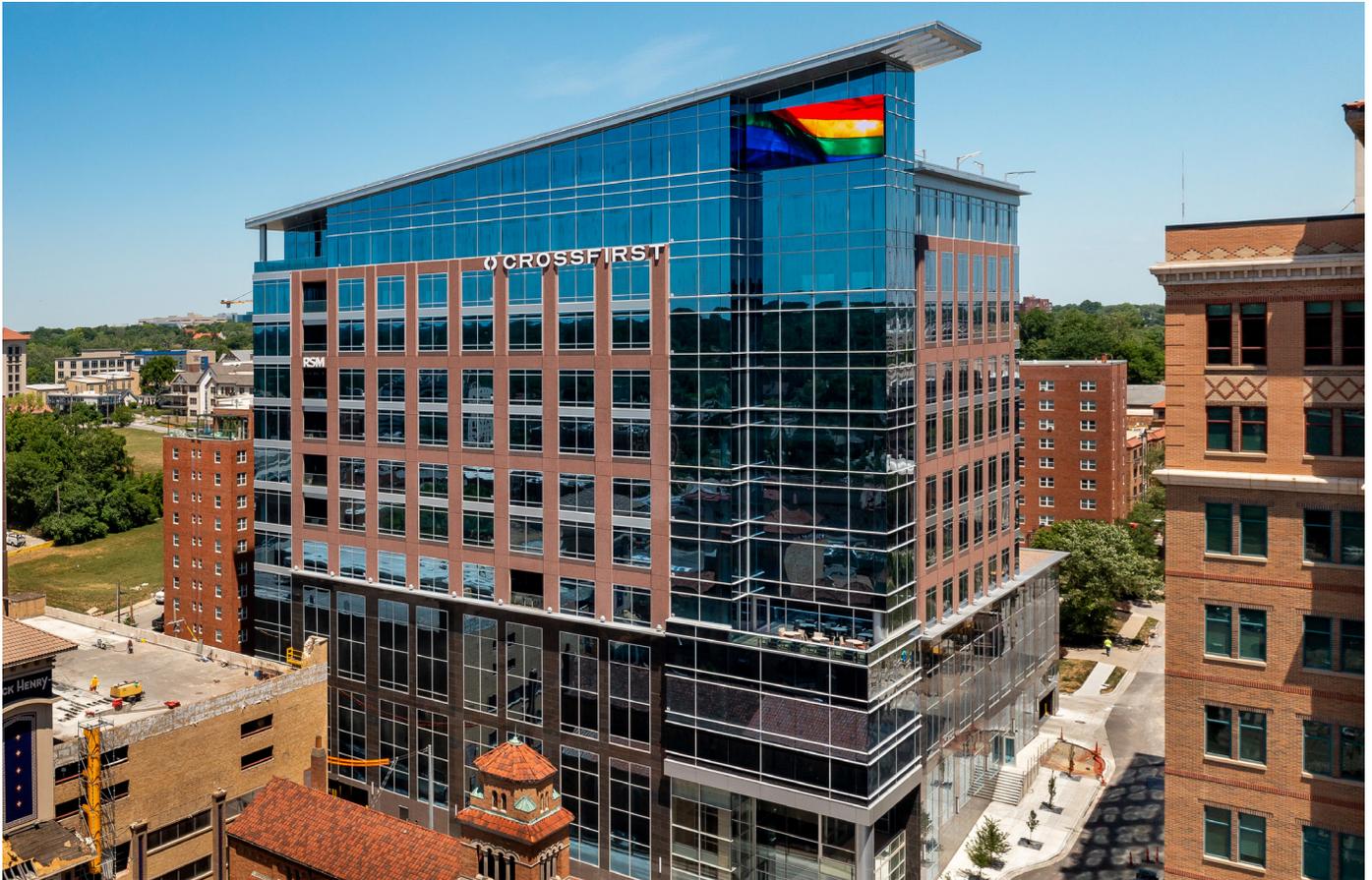
Architect and Engineer: **HGA**
Contractor: **McGough Construction**
Owner: **Augsburg University**
Precaster: **Wells**
Precast Specialty Engineer: **Wells**
PCI Certified Erector: **Wells**
Image Credits: **HGA**
Location: **Minneapolis, MN**
Year of Completion: **2018**



www.wellsconcrete.com



46 Penn Centre



46 Penn Centre is a 14-story high-rise corporate headquarters. It features eight stories of offices placed above six stories of parking (with an additional two levels of parking below grade). This building is the newest addition to the skyline of the famous Country Club Plaza area in Kansas City. It was strategically located on the outside perimeter so as not to interrupt the smaller scale harmony of the existing buildings

within this historic district.

The exterior is a contemporary design with monumental glass accenting the key design feature of architectural precast concrete. The precast is exposed with a combination of retarder, acid etch and sandblast finishes. It features multiple integral colored mix designs. At the base, granite cladding is cast into the precast, blending perfectly with the

surrounding historical buildings. The two-story main entrance lobby features a glass-curtain wall to take advantage of their great views of the Country Club Plaza.

Enterprise Precast Concrete worked with the architect, contractors and developer from the earliest phases of the design conception. This project was ultimately produced out of two different precast production facilities. Integral color panels were produced in Omaha, NE while the granite faced panels were produced in Corsicana, TX.



Architect: **Hoefler Welker Architects**
Contractor: **McCown Gordon Construction**
Precaster: **Enterprise Precast Concrete**
Structural Engineer of Record:
Bob D Campbell and Associates
Specialty Precast Engineer:
Enterprise Precast Engineering
Photography: **Jacia Phillip | Arch Photo KC**
Location: **Kansas City, MO**
Year of Completion: **2021**



www.enterpriseprecast.com

Eisenhower Bridge of Valor



Since President Eisenhower cut the ribbon to his namesake bridge in Red Wing, Minnesota more than 60 years ago, the steel cantilever structure experienced increasing traffic demands and decades of inclement weather. The Minnesota Department of Transportation inspected the

aging bridge and coordinated its prompt replacement.

In 2017, Zenith Tech planned the Eisenhower Bridge of Valor's reconstruction. The firm relied on County Materials to manufacture and deliver 28 prestress

bridge girders, each measuring 175 feet long by 82 inches tall, and weighing 202,000 pounds. At the time of production, these were the largest concrete girders in Wisconsin.

Prestressed concrete bridge girders were used to reconstruct the eastern part of the bridge, which rises above ground until the structure reaches the Mississippi River, where the bridge was completed with three spans of steel girders. The massive prestress concrete girders were set within 45 minutes each using two cranes.

The new Eisenhower Bridge of Valor opened to traffic in November 2019. Over the next few months, the former structure was removed, and crews finalized the new bridge with decorative spires and a multi-use recreation path.



"Based on the span lengths on the Wisconsin side of the project, concrete beams were an economical solution for the superstructure," stated MnDOT Construction Manager, Terry Ward.

Contractor: **Zenith Tech, Inc**
Owner: **MnDOT**
Precaster: **County Materials Corporation**
Photo Credits: **County Materials Corporation**
Location: **Red Wing, MN**
Year of Completion: **2019**


www.countymaterials.com

Greenhaven Golf Maintenance Facility

During the project design development for the Greenhaven Golf Maintenance Facility the architect and general contractor worked with Molin Concrete Products Company to design an aesthetically pleasing, sustainable and economical building that would support the needs of the City of Anoka golf course.

Precast concrete colors and textures were coordinated by producing samples for the architect and the City of Anoka to review. By producing these samples, the owner and architect were able to better visualize the final appearance of the building.

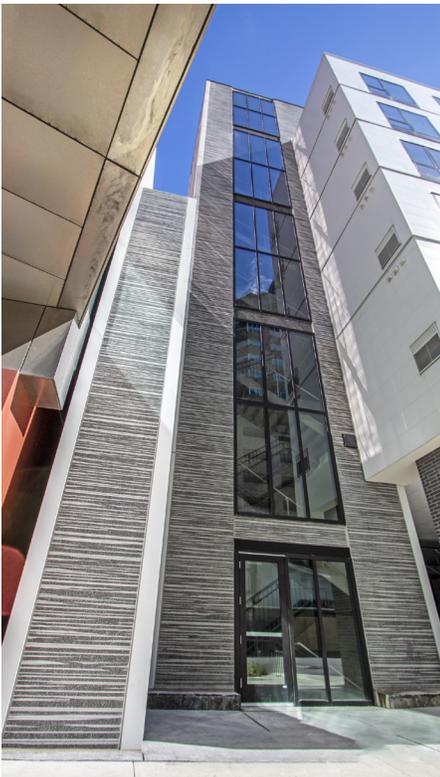
The structure's architectural precast concrete wall panels incorporate a brown color with multiple finishes to add depth and character. One of the finishes selected was an "Old Timber" form liner that resembles a

wood board that might be found on an old barn. A water wash finish was chosen to add contrast to the simulated wood board portions of the precast concrete panels. Hollow core plank was also incorporated in the project to provide the required loading requirements for the storage areas that are located above the ground level spaces.

Architect: **Oertel Architects**
Engineer: **Paulson & Clark Engineering**
Contractor: **Rochon Corp.**
Precaster: **Molin Concrete Products Company**
PCI Certified Erector: **Molin Concrete Products Company**
Location: **Anoka, MN**
Year of Completion: **2020**



Sora



The SORA project is a post-tensioned parking structure with decorative precast cladding on the west elevation. The decorative wall cladding was incorporated into the plan to achieve a clean and professional finish that would highlight the unique design.

The south stairway that provides access from the parking ramp to the street was constructed with 8" precast concrete wall panels. The exterior walls have an architectural mix and were poured using a form liner to achieve a zebra stripe pattern. Eight-inch cladding pieces on either end of the west elevation match the finish of the stair tower.

The stair tower was erected using a 350T hydro. A majority of the cladding was erected using a tower crane. A small portion of the cladding was erected using a spider crane set up on the top level of the post-tensioned deck where the tower crane couldn't reach.

Working with multiple contractors and timelines on this project was a unique challenge due to the different phases of completion of the surrounding projects.

Architect: **ESG**
Civil Engineer: **Kimley-Horn**
Structural Engineer: **Collaborative Design Group**
Mechanical Engineer: **Steen Engineering**
Contractor: **Reuter Walton Company**
Owner: **Reuter Walton Development**
Contractor: **Ironmark Building Co.**
Precaster: **Taracon Precast**
Precast Specialty Engineer: **Midwest Structure Engineering Inc.**
PCI Certified Erector: **Wysan Precast Services**
Location: **Minneapolis, MN**
Year of Completion: **2020**



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