CAPITOL Aluminum & Glass
Window & Door Specialists

PROJECT SPOTLIGHT

HISTORIC SCHOOL RENOVATION | TOLEDO, OHIO

A Historic Icon. A Signature Solution.

Capitol Aluminum & Glass partnered with SSOE Group to solve a distinctive design challenge at Jessup W. Scott High School: create custom S-curve signature windows that honor the building's character.



Aerial view of Jessup W. Scott High School, Toledo, Ohio.

PROJECT + LOCATION

Jessup W. Scott High School
Toledo, Ohio

MANUFACTURER + GLAZING CONTRACTOR

Capitol Aluminum & Glass

PROJECT ARCHITECT

SSOE Group

Collaboration Shaped A Custom Solution

A$42 million renovation that began in April 2010set outto restore the five-story, approximately 250,000-square-foot school nearly to its original design. The work brought a century-old Toledo landmark into a new era while preserving the architecture that defined it.

Scott High School's distinctive architecture called for more than standard replacement windows. Capitol Aluminum & Glass partnered with SSOE Group to develop custom S-curve signature windows for the upper clerestory openings, coordinating design and fabrication details to fit the building and preserve the historic facade's character and visual rhythm.

Early Design Collaboration

Involving Capitol Aluminum & Glass during early design allows the project team to evaluate fenestration options while the design is still flexible. Early review of window, entrance, storefront, and curtain wall systems can identify potential cost-saving alternatives and help balance performance, appearance, and project requirements before details are finalized.

Performance Was Designed Into The Details

The building had approximately 950 windows, including dual-radius round-top and S-shaped openings. Many classroom openings were more than 10 feet high and more than 3 feet wide. Across the project, the team coordinated hopper, awning, and fixed windows, entrances, storefront framing, and curtain walls. These varied openings called for solutions tailored to the building.

The project criteria included thermally broken aluminum framing and a maximum U-factor of 0.45. Capitol 325 ES aluminum windows on the first three floors incorporated 1-inch clear Low-E insulated glass, between-the-glass miniblinds with hinged access panels, and sliding wicket screens. Internal muntins and externally applied muntins recreated historic patterns, while the blinds helped control classroom glare and the replacement windows restored daylight and ventilation to spaces that had been boarded up for years.

A Complete Fenestration Package

Capitol served as the window manufacturer and glazing contractor, coordinating custom fabrication and installation across the varied openings. A small-scale mockup gave the team a way to review an energy-efficient glass option before production. Historic photographs helped SSOE Group recreate original muntin and grid patterns where earlier windows had been removed.

The package extended beyond windows. Capitol 500 WS aluminum entrance doors featured flush pulls and 10-inch mid-rails, with accompanying 245T storefront framing that incorporated arched transoms and horizontally divided lites. Capitol 2500 curtain wall framing served the gymnasium at the rear of the building. Finishes included 3-coat Kynar Polar White, dark bronze anodized, and clear anodized.

Capitol also submitted recycled-content and regional-material documentation to support the project's LEED goals, connecting the custom aluminum and glazing package with the renovation's broader sustainability objectives.

Together, the custom shapes, carefully selected glazing, and restored window patterns supported the renovation’s energy and daylighting goals while respecting Scott High School’s historic character.

Project At A Glance

- Custom S-curved signature windows designed with SSOE Group
- Many custom-shaped window lites across the project Windows, entrances, storefronts, and curtain walls
- Historic grid patterns recreated using archival photographs
- Custom work coordinated to meet project performance requirements

A Toledo Landmark

Jessup W. Scott High School is the oldest currently standing building in Toledo Public Schools. The Tudor Gothic structure, built by David L. Stine, opened in 1913. Scott High School is shaped like a giant "I" and is the sister school to Waite High School, also in Toledo.



FROM EARLY COLLABORATION TO COMPLETION

Historic Character. Custom Craftsmanship. Lasting Impact.

01 Early Architect–Manufacturer Collaboration

The project began with Capitol Aluminum & Glass and SSOE Group reviewing the school's varied openings, historic patterns, and performance requirements while design options were still flexible. That early coordination helped the team shape the custom S-curve windows around both the building and the project goals.

PROJECT ARCHITECT

SSOE Group

MANUFACTURER + GLAZING CONTRACTOR

Capitol Aluminum & Glass

SHARED DESIGN FOCUS

Historic character, varied openings, performance

02 Existing Conditions

The original arched opening set the architectural challenge: preserve Scott High School's distinctive Gothic profile while improving the window assembly.



Existing arched window condition and completed signature-window assembly.



Existing arched window assembly before replacement.



Existing glazing within the arched stone opening.



A second close-up shows the existing S-shaped openings and surrounding stonework.



Field measurement of the existing curved window frame.



Existing signature windows at the corner tower.



Close-up documentation helped the team understand existing frame and masonry conditions.



Existing arched window openings above the entrance.



Courtyard windows before renovation.

02 Existing Conditions



Existing windows across the gable and tower.



The building beside the Ben E. Williams Field House.



Existing gymnasium window band.



Existing field house windows and entrances.



Existing entrance beneath the canopy.



Existing entrance within the arched stone opening.



Existing windows within the decorative stone bay.



The central facade before renovation.



Exposed existing wood frame and curved stone opening.



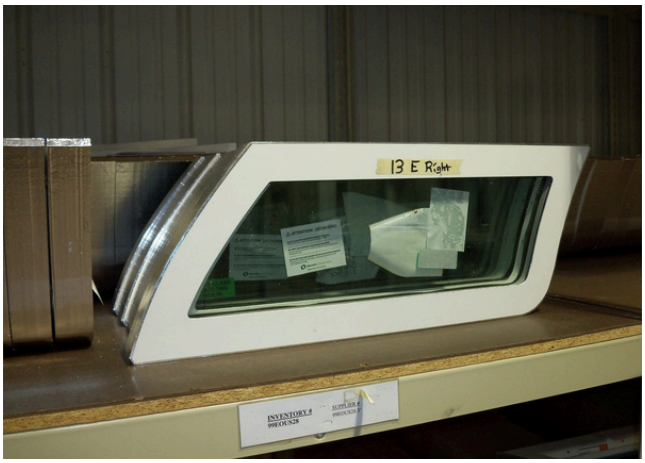
Existing interior wood trim and covered arched window openings.

03 Design Review And Approval

Early coordination let the architect and manufacturer review the custom shape and glazing details while the design could still be refined.



A small-scale mockup gave the team a way to review an energy-efficient glass option before production.



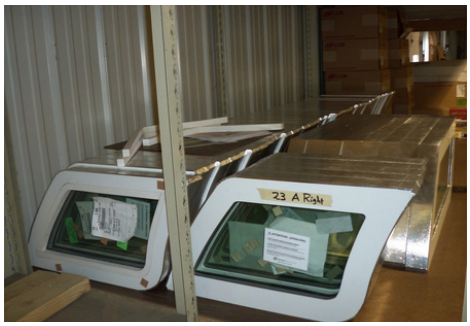
Custom curved samples documented the signature profile developed for Scott High School's distinctive openings.

04 Manufacturing The Custom Work

Shop photographs show the work moving from profile machining and sample units to frames prepared for the building's varied openings.



Profile machining in the Capitol shop.



Custom-shaped units laid out for a shop review.



Frames awaiting the next production stage in the shop.

05 Signature Windows: Before And After

Exterior and interior views show the original signature-window openings and the completed work. A second before-and-after pair shows windows in the former cafeteria, now used for classes.



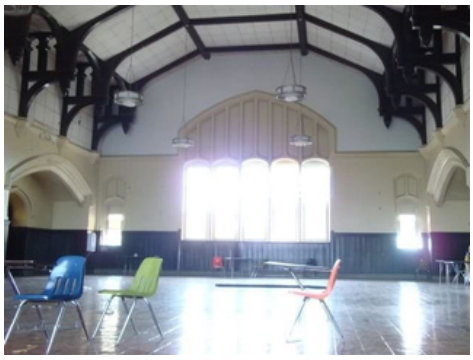
BEFORE EXTERIOR
Existing S-shaped openings and surrounding stonework.



BEFORE INTERIOR
The signature-window opening before replacement.



AFTER INTERIOR
The replacement window frames with custom glazing follow the existing shape and restore daylight.



BEFORE
Existing windows in the former cafeteria.



AFTER
Replacement signature and custom aluminum windows in the former cafeteria.



AFTER
Replacement signature and custom aluminum windows in the former cafeteria above the classroom partitions.

06 Completed Work

Custom windows, entrances, storefronts, and curtain walls come together across the restored school, bringing daylight into historic spaces while retaining the building's architectural rhythm.













06 Completed Work









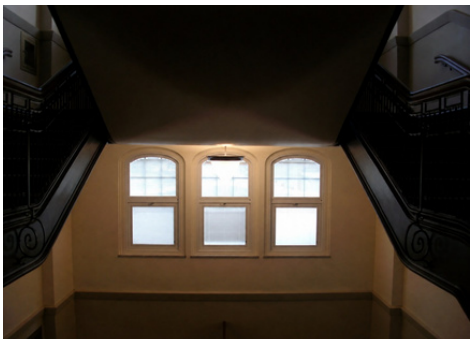












06 Completed Work













A Lasting Partnership

The result is a distinctive renovation where custom design, historic character, daylight, and project performance work together. Capitol's partnership with SSOE Group helped turn complex openings into a coordinated solution.

Project Site and Team

Jessup W. Scott High School
2400 Collingwood Blvd.
Toledo, OH 43620

OWNER

Toledo Public Schools

CONSTRUCTION MANAGER

Lathrop/Gant/Barton Malow, LLC

GENERAL CONTRACTOR

Mosser Construction, Inc.

ARCHITECT

SSOE Architects

MANUFACTURER AND GLAZING CONTRACTOR

Capitol Aluminum & Glass

Aluminum and Glazing Products

Provided and installed by Capitol Aluminum & Glass.

- Capitol 325 ES Windows with internal muntins, externally applied muntins, between-the-glass miniblinds with access panels, and screens
- Capitol 500 WS Doors
- Capitol 2500 Curtain Wall
- Capitol 245T Storefront
- 1-inch clear Low-E insulated glass (with obscure and spandrel glass where required)
- Multiple finishes: 3-coat Kynar Polar White, dark bronze anodized, and clear anodized

FROM THE ARCHIVES

The Legacy Behind The Landmark

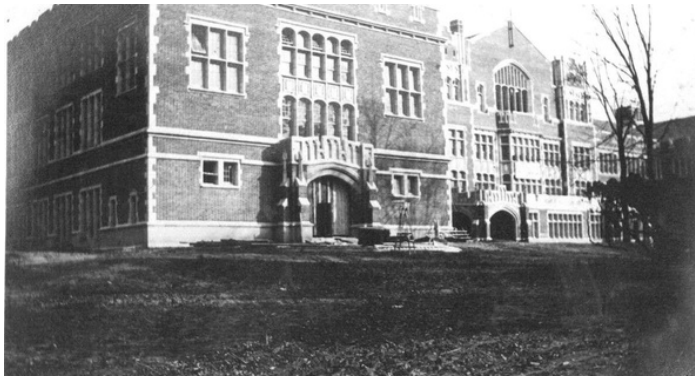
Historic photographs and postcards capture Scott High School's facade, grounds, and interior spaces.



Historic postcard showing Scott High School in Toledo, Ohio.



Historic cafeteria interior at Scott High School, with tall arched windows and exposed roof trusses.



Historic facade with arched entrances and signature window openings at Scott High School.



Front approach and Gothic window patterns at Scott High School.



Historic street view of Scott High School and its landscaped grounds.



Historic aerial view of Scott High School, the stadium, and the surrounding neighborhood.