



MARIST SCHOOL CAMPUS

Metal wall panels' deep shadow lines break up massing of Georgia school

Ivy Street Center is the first new academic building on the Marist School campus in Brookhaven, Ga., in more than 20 years, and is the signature project in Phase 1 of the Campus Master Plan. Marist School is a private Roman Catholic college preparatory school serving 1,100 students in grades 7-12. The new 55,000 sq. ft. Ivy Street Center serves as home for the mathematics and English departments. The building's name pays homage to Marist's original three-story schoolhouse located on Ivy Street (now Peachtree Center Avenue) in downtown Atlanta.

Architectural design was created by S/L/A/M Collaborative, Atlanta. Will Stelten, design architect and a 1985 graduate of Marist, said the school community chose carefully to design a building that will serve students for years. "Marist gets full credit for embracing this. They took this farther than any other client has," Stelten said.

The structure was built on the footprint of the razed Kuhrt Gym, a 50-year-old building. "The charge was to design a combination classroom building that wrapped around a new gymnasium," Stelten said. The new building now offers 16 classroom spaces, a tiered lecture hall, a 275 seat gymnasium plus collaborative areas and a campus store.

Two PAC-CLAD profiles were specified for roofing and wall applications on the three-story, highly-sustainable structure. Approximately 6,000 sq. ft. of Petersen Aluminum's M-36 wall panels were used to clad a major portion of the façade. An additional 6,000 sq. ft. of Tite-Loc Plus roof panels were used on

large canopies and overhangs at prominent locations on the building.

All panels were finished with Sherwin-Williams Coil Coatings Fluorpon Silver and manufactured at Petersen Aluminum's Acworth, Ga., plant. The Tite-Loc Plus panels were distributed by Commercial Roofing Specialties in College Park, Ga.

The building is larger than most on the campus, Stelten notes. "We felt that introducing the metal panels helped lighten the building and break up the massing in a way that made it more interesting," he said. "The M-36 panel is an interesting profile to use on a building like this. It has deep shadow lines that help add lightness and a horizontal feel."

The PAC-CLAD M-36 wall panels were installed by SECO Architectural Systems, Snellville, Ga. "Exposed fastener panels are often thought of as an industrial or utilitarian type of system," said Joe Creighton, president of SECO. "But when they are installed horizontally, the panels suddenly create a nice architectural effect. The flashings become much more important and the folded corners add interest."

The original design called for aluminum composite material to be used for the siding, but that proved to be too expensive. SECO worked closely with the general contractor, Brasfield & Gorrie, to arrive at an affordable solution that met the architectural design criteria. "One of the options I gave the GC was the Petersen M-36 system. It was quite a departure from the original plan but it was aluminum, it was silver and I knew it would make a nice statement with the right detailing. After quite a bit of discussion, we got to the point where the architect liked the look and the owner could afford it," Creighton said.

The key to the job was pre-planning and attention to detail, Creighton added. "There was a high degree of both and that's what led to success. The M-36 panel really makes for a nice architectural look and not for a lot of money."

The second PAC-CLAD system used on the job was Petersen Aluminum's Tite-Loc Plus roofing panels. Installation of the Tite-Loc Plus panels was done by Saco Systems, Suwanee, Ga. John Salo, vice president, said the double-lock, mechanically seamed panels "are about as structurally sound as you can get. They are highly engineered panels that satisfy the most stringent design criteria." Saco Systems has considerable experience in working with Petersen Aluminum profiles. "There were no real challenges on the project other than the normal coordination with other trades," Salo said. "The panels went down easily and the job came out great—that's the way we like it!"

Marist School made a commitment to environmental stewardship as it built the new facility. "Sustainability

has been a big feature on the campus. It fits in with the overall philosophy of the school,” said Marist Father John Harhager, school president.

Sustainability features of the building include a three-part daylight harvesting system of exterior sunshades, interior light shelves and sloped ceilings. Glare inside classrooms is minimized, and daylight reaches deeply into rooms, allowing classroom lights to remain off the majority of the time. Rain water is saved to a 3,400-gal. cistern filled from two sources: the sloped gym roof and condensate from the HVAC system. The water in the cistern is used for irrigation of the planted rain garden. The building also features water bottle refill stations to reduce disposable water bottle waste. Sustainable materials include colorful sound-absorbing panels made of machine pressed, recycled plastic bottles in the gymnasium, reclaimed elm wood panels in the lobby, and locally sourced materials.

Petersen, a Carlisle company, manufactures PAC-CLAD architectural metal cladding systems in multiple gauges of steel and aluminum. PAC-CLAD products include hidden- and exposed-fastener wall panels, standing seam roof panels, flush- and reveal-joint wall panels, vented or solid soffit panels, perforated metal, coil and flat sheet, composite panels, column covers, plus fascia and coping. All are available in a Kynar-based 70% PVDF Fluoropon coating in 46 standard colors and 16 wood grain finishes that include a 30-year finish warranty. Most colors meet LEED requirements and are rated by the Cool Roof Rating Council. Custom colors and weathertightness warranties are offered. BIM and CAD documents are available for most products. Founded in 1965, Petersen’s facilities are located in Illinois, Georgia, Texas, Maryland, Arizona and Washington. For information on the complete line of Petersen’s PAC-CLAD metal products call 800-PAC-CLAD, visit pac-clad.com or write to info@pac-clad.com.

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