

CASE STUDY:

CLOVER SCHOOL DISTRICT YMCA



The Y is the nation's leading nonprofit committed to strengthening communities through youth development, healthy living, and social responsibility. In 2014, as part of the Clover district's partnership with the Upper Palmetto YMCA (an institution in its own right since 1913), construction on the [Clover School District Community YMCA](#)—the first of its kind in the community—began.



PROJECT SPECS

PROJECT NAME: Clover School District YMCA Natatorium

PHYSICAL LOCATION: 604 Bethel Street, Clover, South Carolina

MCELROY SYSTEM UTILIZED: 24 Gauge Maxima 216

SELECTED COLOR: Premium Silver Metallic

SQUARE FEET ON PROJECT: 21,000

STRUCTURAL ENGINEER: LS3P Associates Ltd., Charlotte, NC

INSTALLER: Achelpohl Roofing, Prosperity, SC

THE PROJECT

A Clover School District (CSD) Community YMCA was originally nothing more than a “dream... and a vision,” said the now-retired CSD Superintendent Marc Sosne at the facility’s [grand opening event](#). Originally conceived as a place for children to take swimming lessons and the high school swim team to practice (they had been renting out the local country club’s pool), Sosne and others began to think bigger—but they’d need funding.

Their new vision was to build a natatorium that could meet the needs of not just children and swim teams, but everyone in the community, including adults, senior citizens, and the disabled. Following the passing of a \$67 million bond referendum in 2014 that would include funding for the CSD, construction began on what would become today’s 71,400-square-foot facility.



THE CHALLENGE

A good portion of the new CSD YMCA was designed for physical fitness areas, employing an industry-standard aesthetic. David Bellamy, Principal at LS3P Associates Ltd. of Charlotte, N.C., the architectural team contracted for the natatorium portion of the project, recognized this and wanted to make the indoor swimming area stand on its own.

“For the natatorium portion of the building, we wanted a more dynamic look, a look of fast-paced energy produced by swimmers... not just a red brick school-look,” said Bellamy. “There [needed to be] glass at the top, more metal ... [we wanted] a high-tech, fast-paced feel.”

To achieve the desired results, Bellamy knew he’d need the right team. He brought in Achelpohl Roofing, contractors who use and trust McElroy Metal products.

“This was not the first metal roof we’d done,” Bellamy said. “We knew what metal could do and we knew the radii on the natatorium was something we could achieve with McElroy products.”

THE SOLUTION

To give the large natatorium the look Bellamy was after, the roof was designed with a radius that allowed the preformed metal panels to lay down without site curving. However, the ticket booths and outdoor locker room facilities would require factory-formed panels that would be curved in the field because of a tighter radius. This required strong coordination and color match of the metal roof to the aluminum composite fascia and soffit material to tie everything together aesthetically.

Achelpohl Roofing installed a total of 21,000 square feet of 24 gauge Maxima 216. The panels for the natatorium roof were manufactured at the McElroy Metal plant. The panels for the ticket booth and locker room were formed and curved onsite with an eye-catching Premium Silver Metallic color.

“We were actively onsite for about six months, [and] did the insulated and composite walls as well,” said Amanda Achelpohl-Childs of Achelpohl Roofing. “We had about 10 people on the roof to handle the 111-foot panels coming off the roll former. The installation of the long panels went pretty quick because we had to have so many people there to help run them out, so we installed at the same time.”

The main entrance, with Premium Silver Metallic fascia and soffits to match the metal roofing, is highlighted by green screening above the entrance. Visitors have said it resembles the look of a flying saucer, providing a contemporary yet forward-thinking appearance. McElroy Metal supplied 60 sheets of 24 gauge flat sheet for the formed trim, including fascia and soffits.

THE RESULTS

Today, the CSD's YMCA's aquatic and fitness center features two indoor 25-yard pools, a gymnasium, a fitness room, dedicated exercise space for group classes, racquetball courts, and a walking track. The outdoor 50-meter pool features an adjoining water park with slides and play equipment for all ages. It's truly a beacon of community togetherness, with the standing seam metal roof from McElroy Metal achieving the aesthetic the community and the project's architect was looking for.



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