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WALL PANEL SYSTEMS PROJECTS

GREATER RICHMOND AQUATICS PARTNERSHIP

CHESTERFIELD, VA | VIRGINIA DIVISION

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The Greater Richmond Aquatics Partnership, or GRAP, is Central Virginia's first world-class aquatics center. Load-bearing precast panels were used to enclose 38,000 square feet of the main component to the GRAP facility, including a therapy pool, fitness center, locker rooms, precast seating for 700 spectators, and, most notably, the Myrtha pool from the 2008 USA Olympic trials in Omaha. In order to house all of the different items, the precast panels incorporate an integral pilaster to support steel roof girders which span 132 feet.

Since the interior of the facility maintains a high level of humidity, the Thermomass insulation system is used within the precast panels in order to provide a vapor barrier, along with edge-to-edge insulation and no thermal breaks. The interior of the panels also contains a smooth trowel finish and cast-in conduits for electrical purposes.



GREATER RICHMOND AQUATICS PARTNERSHIP (CONT.)

CHESTERFIELD, VA I VIRGINIA DIVISION

The exterior of the panels utilizes an architectural buff concrete mix with a two-tone sandblast which helps to bring contrast and texture to the building's appearance. Finally, reveals and large punched opening windows provide an open and intricate feel to balance out the economical modular layout of the building.

OAK RIDGE MEDICAL FACILITY

OAK RIDGE, TN I SOUTH CAROLINA DIVISION

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Located in one of the South's premiere technology parks, a medical products company called on Tindall to help realize a new R&D and production facility to meet the increasing demands for its state-of-the-art products. In order to meet an accelerated schedule, Tindall utilized precast, prestressed wall panels that offered innovative, economical design features and construction solutions. The completed two-story, 59,110-square-foot project now serves as a hightech medical facility.

To meet the fast-track schedule, Tindall created its own form liner. This accelerated the manufacturing of the 8-inch-thick insulated and uninsulated wall panels. Tindall also included expansion panels in key areas to facilitate future growth. Utilizing precast, prestressed concrete pieces provided flexibility of architectural enhancements, speed of erection, and a high-quality finished product.

The senior architect from Lockwood Greene praised Tindall's responsiveness.



"They were very helpful in the development approach. They came up with some innovative and economical ideas for the details and design of the building."



WASHINGTON & LEE NATATORIUM

LEXINGTON, VA | VIRGINIA DIVISION

Building a large collegiate swimming complex is difficult. Building it on a steep grade with extremely limited site access for heavy equipment is a tremendous challenge. From preconstruction and engineering to project management and logistics, Tindall's team was there from start to finish.

WASHINGTON & LEE NATATORIUM (CONT.)

LEXINGTON, VA I VIRGINIA DIVISION

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The 44,000-square-foot facility was erected in merely 11 days, featuring 21,400 square feet of wall panels, hard-troweled for a smooth interior finish. The numerous architectural details of this project made for a distinctive aesthetic. These included sandblasting; thin-set standard, engineered, and soldier course brick; as well as several protrusions, including sills, bump-outs, false columns, and cornices. Large window openings allowed for abundant natural light, while a Thermomass insulation and vapor barrier system provided an energy efficient shell. The wall panels contained monolithic pilasters to carry the extremely heavy steel trusses that spanned the 120-foot spaces needed for the swimming pools.

Partnering with Tindall during the planning stages allowed for increased speed of final construction, resulting in more savings for the owner. The contractor understood the complexities of the project, and Tindall's prominent reputation in the industry ensured a solid solution they could count on.







3RD ARMY HEADQUARTERS AT SHAW AIR FORCE BASE

SHAW AFB, SC | SOUTH CAROLINA DIVISION

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Named for one of America's most inspiring military generals, the new Patton Hall is a construction worthy of its prestigious reputation. The 3rd Army's 362,042-square-foot Command and Control Center at Shaw Air Force Base houses administrative offices with a large Operations Center and a Secure Compartmentalized Information Facility. The complex features a command and control headquarters, a company facility with conference and briefing areas, a Network Operations Center, and a motor pool.

The facility supported the relocation of 1,500 troops to consolidate and maximize operational efficiencies. "Co-locating our two headquarters at Shaw will further strengthen our partnership and interoperability," said 9th Air Force, Major General William Holland. Since operational security for a military base is vital, Tindall's expertise provided a hard-shell solution with over 84,000 square feet of wall panels, while architectural accents, including medallions and cornices, provided an attractive exterior façade.





ST. PIUS X CHURCH

LAFAYETTE, LA I MISSISSIPPI DIVISION

Sometimes innovation takes a leap of faith. That's exactly what happened when J.B. Mouton invited Tindall to review the St. Pius X Church design to determine what advantages precast could bring to the table. The original design intended to use tilt up, but Tindall's team of expert engineers instantly knew that they could save the customer significant time and money by revamping the design to utilize precast, all while still providing a beautiful finished product. The contractor was impressed with both the speed and costeffectiveness of Tindall's plan and decided to move forward, a decision that helped save two months on their construction schedule.

ST. PIUS X CHURCH

LAFAYETTE, LA I MISSISSIPPI DIVISION

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By creating the exterior of St. Pius X Church from six- and eight-inch-thick precast panels, Tindall's design offered significant cost savings to the project, freeing up funds to be reallocated to other areas of the construction. On top of that, the use of precast had a significant effect on the construction time line, shortening the erection schedule to less than two months and providing a structure that would perform for years to come without breaking the bank.

For Tindall's portion of the project, they produced nearly 40,000 square feet of eight-inch-thick precast wall panels, and nearly 14,000 square feet of six-inchthick panels. The versatility of these products allowed J.B. Mouton's team to create a stunning exterior by incorporating accent features that were attached via metal studs and EIFs. Upon completion of the church, the owners and design-build team were impressed with the efficiency of the design, fabrication, and erection time frames that Tindall's precast allowed.



MORE WALL PANEL SYSTEMS PROJECTS



STONE BREWING

RICHMOND, VA I VIRGINIA DIVISION

Tindall manufactured 79,000 square feet of insulated precast cladding panels that took only three weeks to erect. These sustainable panels contributed to the project's goal of achieving LEED Silver certification.

READ FULL PROFILE

DOLLAR TREE

CHEROKEE COUNTY, SC I SOUTH CAROLINA DIVISION

For this 1.5-million-square-foot distribution facility, Tindall created 336,206 square feet of precast insulated wall panels. These 8" and 9" panels rose up to 50 feet in height and stretched out to 15 feet in width.

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