



UNITY CHRISTIAN HIGH SCHOOL



# Unity Christian High School

Hudsonville, MI | Institutional

## THE CHALLENGE

When this project was conceived the goal was to achieve a thermally efficient, durable, functional and attractive structure that would also provide a high level of safety to the local community. Since this is a school that needed to be completed by the start of the new school year, schedule was a major concern to the project team as well as the owner.

## THE SOLUTION

Precast prestressed concrete wall panels provided the solution to meeting the project goals. Largely the walls are constructed of precast prestressed insulated sandwich wall panels that bear the gravity and lateral loads imposed on the structure. The wall panels were cast exterior face down on rubber liners that formed their exterior finish.

## THE RESULT

To pull off such a feat there must be open lines of communication across the project team. All members of the project team did just that. The result is a beautiful school delivered on time that serves the community.

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One of the building's most unique design elements is the application of the woodgrain formliner panels. Although it was left raw, the texture gives the concrete a sense of warmth that is carried throughout the building, including the interior. It is a durable and sophisticated product that really anchored the material palette. Working with Kerkstra early on in the planning led to a smooth and integrated design process and we look forward to our next project together.

Benjamin Scholten  
GMB Architecture



**Total Product Square Footage: 152,246**