



YOUR TOTAL SOLUTION

# Total Precast

 Kerkstra

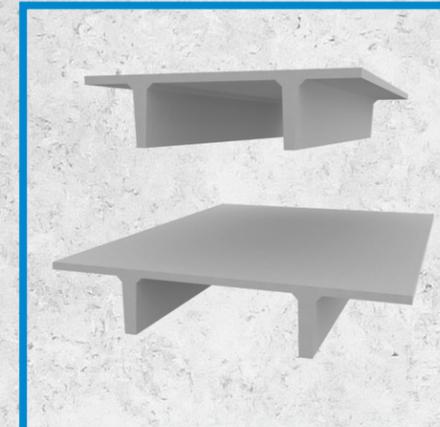


**Total Precast Systems are your complete building solution.**

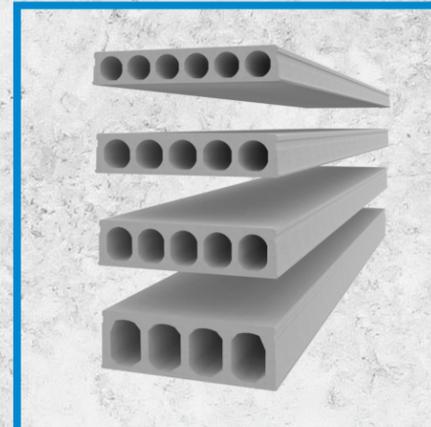


## PRODUCT TYPES

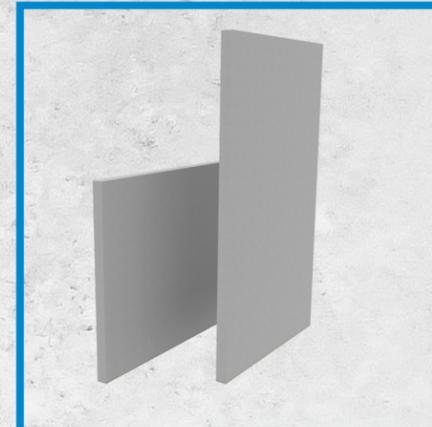
Total Precast Systems bring together multiple precast concrete components to complete the entire structure.



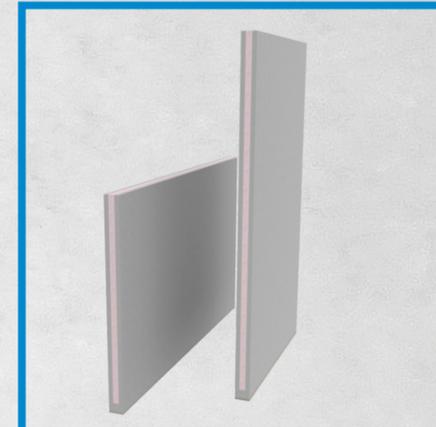
Double Tee



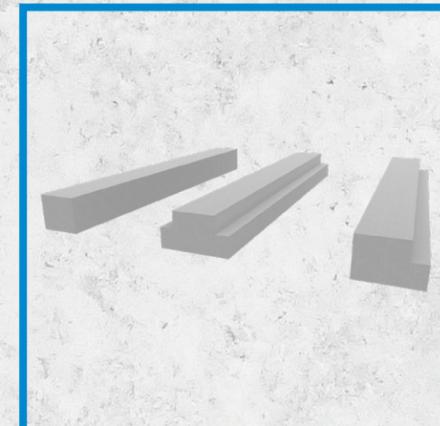
Hollowcore



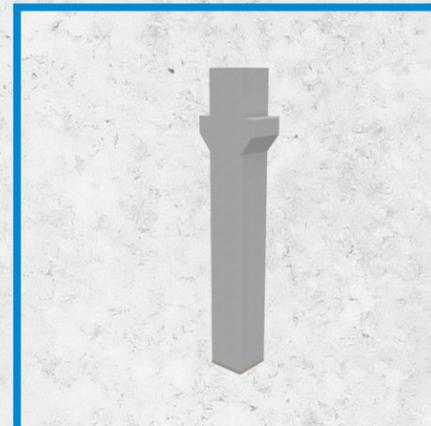
Solid Wall Panel



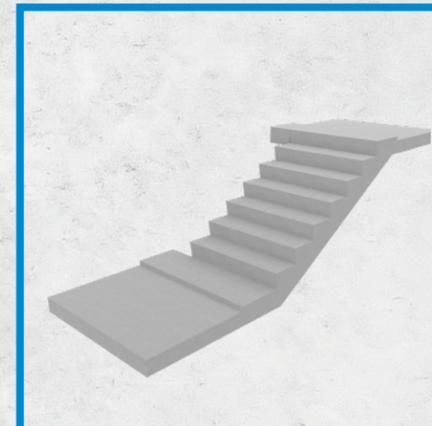
Insulated Wall Panel



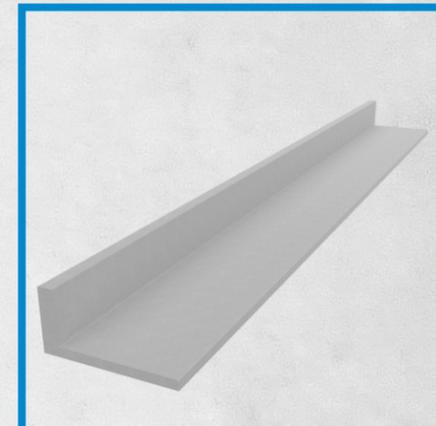
Beams



Column



Stairs



Stadia

### Built-In Benefits

Total Precast Systems bring together multiple precast concrete components to complete the entire structure. When you choose Total Precast, you are saying yes to cost savings and faster installation.

Ideal for a variety of buildings including warehouses, schools, or retail stores, you have endless options for your next project.

#### Speed of Installation

Structures are installed quickly to keep construction schedules on track to meet project goals. Projects average **20 pieces per day** per crane based on project.

#### Ultimate Accuracy

Advanced state-of-the art equipment means that we can **deliver the most accurate products for supreme fit and finish**. And manufacturing all products in a controlled environment means better, faster results on every job.

#### Eliminating Trades

With precast concrete, up to **eight less trades** are needed. Smaller crews and prefabricated products allow us to **install more efficiently**, even in tight spaces.

#### 365 Build

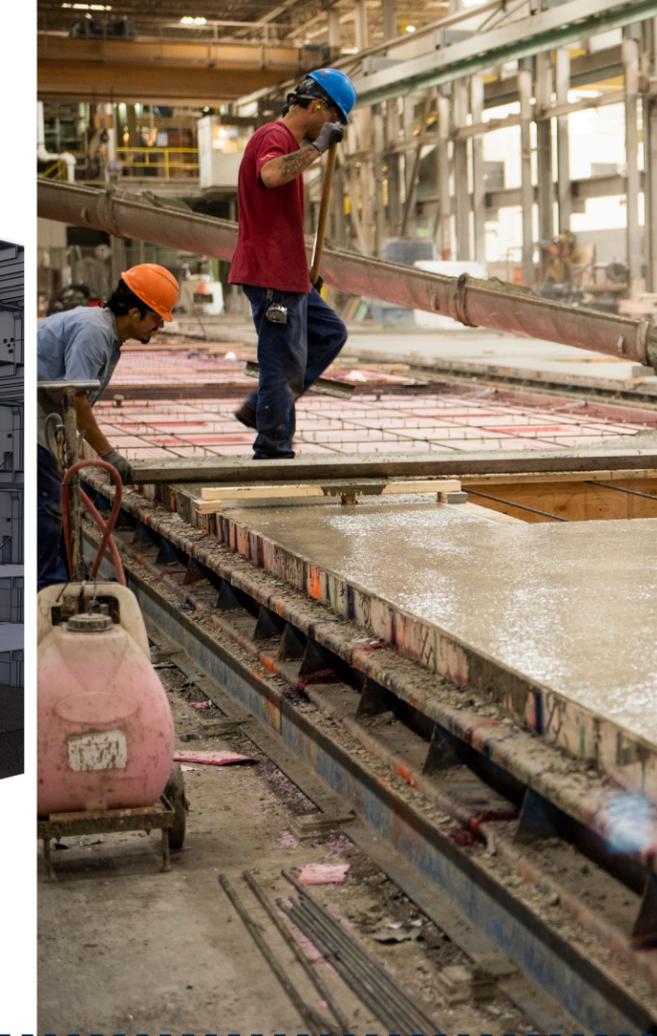
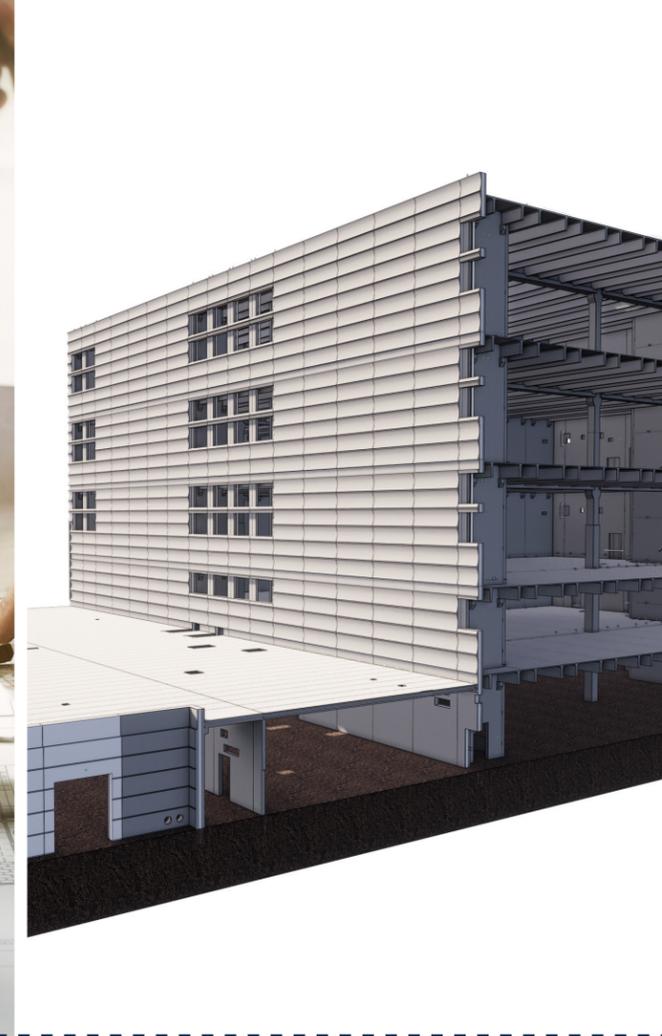
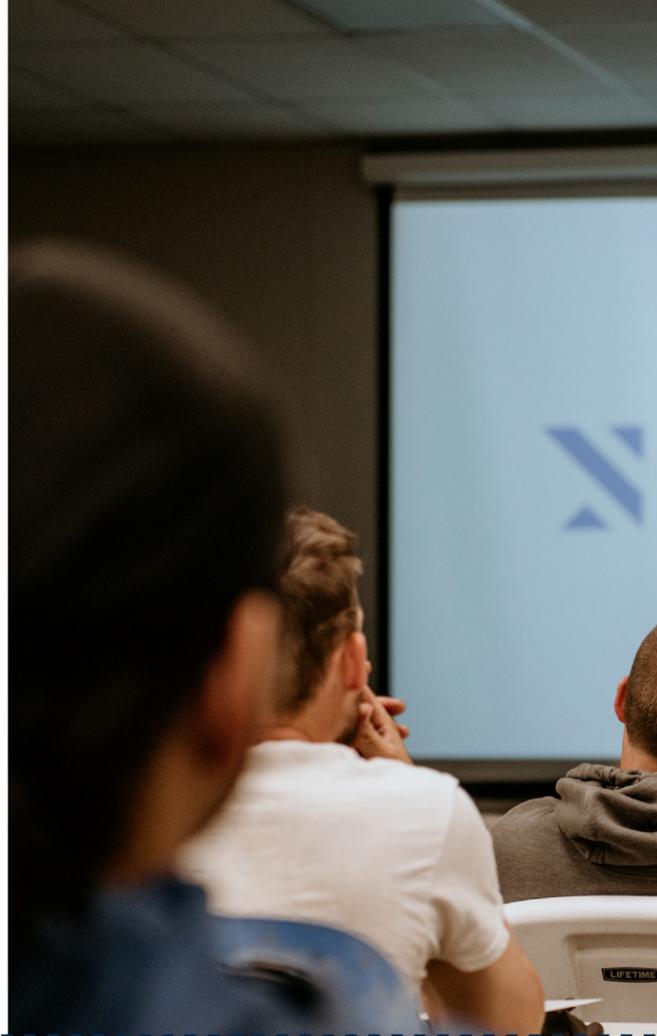
Since our products are produced in our manufacturing facility, we are **ready to go no matter the weather**.



**Online Resources** // From product guides to CAD drawings, we offer numerous documents to help you grasp the key details of a project. Browse the categories below to learn more about our industry terms and technical requirements of precast at [kerkstra.com/resources](http://kerkstra.com/resources).

**From inception to installation, our solutions are designed to support structural and architectural precast solutions.**

All of our projects are fully managed by our team to increase accuracy and reduce risks. We take a different approach than our competitors. Our next-level expertise brings creatively engineered solutions and responsive service at every step.

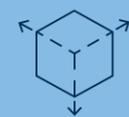


**WHEN WE'RE PART OF PROJECTS FROM THE START, YOU WILL GET THE BIGGEST BENEFIT.**



**CONSULT**

We take a proactive approach from day one to prevent potential issues and stay on track



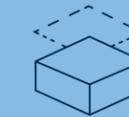
**DESIGN**

Our knowledge allows us to provide accurate designs and estimates for faster turnaround times



**ENGINEER**

Our in-house engineering team takes a creative approach to design high-performing structures



**FABRICATE**

Our state-of-the-art PCI certified manufacturing facilities allow for ultimate accuracy and quality assurance in off-site construction



**INSTALL**

Our products arrive ready to install by PCI certified installers, helping to mitigate risks around labor, time and fit and finish

## YOUR FINISH, YOUR WAY.

Exteriors can be beautifully decorated with colored concrete and finished in a number of ways.

Acid Etched



Painted



Formliner



Brick



## CASE STUDY GORDON FOODS

The Gordon Food Service Corporate Headquarters was originally designed with a steel structure and a raised flooring system to accommodate the IT, HVAC and Electrical throughout the building. As the design progressed, the team realized that when hundreds of people and computers are in one area on one floor, the issue of vibrations becomes a concern.

A precast structure is able to accommodate long spans without the vibration. As soon as the team heard about this, they were sold. The drawings were reconfigured and the building was constructed as a total precast structure with architectural precast cladding and glass curtain wall.

“Kerkstra came up with a wonderful solution for a precast building, giving us the ceiling heights and spans that we wanted. They were also able to give us the exterior precast product that was in my mind; over the top. Consistency in color was very important and their guys nailed it!”

KEVIN DIEKEVERS  
GORDON FOOD SERVICE



## CASE STUDY

# 28 GRAND

There hasn't been a structure built from the ground up in Detroit's Central Business District since the 1980s. Reasons vary but one of the primary hurdles is the area's restrictive space and heavy traffic. Bedrock Detroit, the full service commercial real estate company that manages 28Grand, envisioned a high rise apartment building in the district but they knew it was going to take serious planning and collaboration.

After assessing material options, the design team chose to work with Kerkstra to build a total precast structure according to Malek Eljizi, project director with Bedrock, this was the only material that made sense.

In just five months, Kerkstra helped design, manufacture and construct a 13-story, sustainable structure that fits seamlessly into the growing Central Business District. The multifamily building provides a unique housing option for more than 200 young professionals, including those with lower incomes.

"By bringing Kerkstra on board during the design phase, we were able to adapt the building to fit the location and its intent."

Malek Eljizi  
Bedrock



## CASE STUDY

# 10 IONIA

The 13-story Marriott Residence Inn is a precast structure with 146 rooms and retail space on the ground level. The unique shape of the building presented the opportunity to create custom forms. The exterior has three separate radiused pieces, the nose at 13'-1", the corners at 8'- 4" and the back wall at 115'-11". All three radiuses have separate formwork, and each radius had five separate exterior profiles. The building was coordinate with BIM to ensure proper geometry, including the triangular core. This was also used to review and coordinate for formwork, which was made of steel.

This is the first Hybrid Framing system used in Michigan. Hybrid Framing is a steel composite beam and column system utilizing a cast in place filling in conjunction with precast hollowcore slabs and precast load-bearing walls. It provides for a thinner floor profile vs. other systems, does not require fireproofing, and can mimic the same properties of a cast in place system.

The lower lever was a Limestone Architectural finish to match adjacent original structures. Exteriors can be beautifully decorated with colored concrete and finished in a number of ways.

Did you know?

Windows are installed at our facility, minimizing additional fall protection on the site. Making your site safer and reducing cost.





## Contact Us Today.

If you're an architect, designer, contractor or homeowner, trust that our precast concrete solutions will open up endless possibilities for your project. Let us bring your project to life.

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 **Kerkstra**