

FIVE UNIQUE BENEFITS OF PRECAST CONCRETE DOUBLE TEES

One of the most commonly manufactured precast concrete components is the double tee. As the name suggests, double tees resemble two capital letter T's placed side by side. The components are typically used for floor and ceiling construction in order to create long spans and open floor plans.

Along with possessing notable features such as a sleek aesthetic, environmental friendliness and low lifetime maintenance, precast concrete double tees provide many benefits when used in a variety of construction projects.

1. MAXIMUM STRENGTH

A combination of advanced technology, professional engineering and quality materials ensure that precast



concrete double tees provide optimal strength to any structure. Each group of components has a significant load bearing capacity that makes them suitable for even the most imposing structures and construction projects. Double tees are unique in that they can cover long spans of 80 feet or greater,

yet still provide incredible strength to any structure. Double tees can achieve this level of strength without the need for columns in the design.

2. FASTER CONSTRUCTION

To have the most efficient and cost-effective project, construction speed is one of the most important factors to consider. Precast concrete double tees are fabricated in a controlled environment and can be swiftly erected and integrated into the final structure. The alternative, which typically requires the use of cast-in-place concrete components, often leads to delays due to weather and site related conditions. Utilizing precast concrete double tees removes uncertainty from the construction process allowing for better time management and more accurate timeline projections.



3. SIMPLIFIED DESIGN OPTIONS

The uniquely engineered quality of double tees make them highly suitable for creating simple construction designs that include features such as open floor plans, long column-free spans and layouts that improve the overall functionality of a structure. Double tees dramatically reduce the number of joints present in finished structures and reduces or eliminates the need for columns in the final



design. This can be particularly useful in structures that require uninterrupted visibility from one end to the other.

4. COST SAVINGS

Utilizing precast concrete double tees in your construction project provides tremendous cost saving benefits. Compared to other types of construction components, precast double tees have a much lower initial cost. Faster fabrication and erection times, lower labor costs, less lifetime maintenance and more built-in protection from the elements and natural disasters make using precast concrete double tees one of the best ways to reduce and control overall project costs.



5. EXCEPTIONAL DURABILITY

Precast double tees offer a distinct advantage because of their high level of durability. Along with being resistant to direct impact, double tees are also remarkably strong and flexible. This makes them less susceptible to natural wear and tear. The intrinsic strength and durability of precast double tees makes them more resistant to potential damage from natural and manmade disasters such as earthquakes, high winds and fires.



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