



Prestressed Casting Co.

Solving a problem by utilizing a product with natural qualities suited for the task at hand will normally produce an economical solution to the problem. Using Precast Concrete products from Prestressed Casting Company in tornado resistant structures does exactly that.

The application of FEMA guidelines in designing a tornado resistant structure can be challenging. The structure must be designed to resist enormous wind loads, uplift, and flying missile impact loads. Utilizing Precast Concrete products is an economical method of dealing with these unusual loading conditions.

Precast Concrete can be designed to meet these specialized FEMA requirements, often with only minor refinements to the normal reinforcing and connection design philosophy typically used in standard Precast Concrete construction. This can result in significant savings in cost and schedule on these special projects.

Constructed with standard precast concrete product shapes.

Precast Concrete decks can be designed to meet "Flying Missile" criteria without the need for field placed topping

Engineering of the Precast Concrete elements to meet FEMA 361 requirements is part of Prestressed Casting Company's Precast Concrete Package

The inherent weight of Precast Concrete products can be advantageous by reducing potential "up-lift" forces at the footings.

Spans of up to 80'-0" are possible

TORNADO RESISTANT STRUCTURES

