PCI MIDWEST
A Chapter of Precast/Prestressed Concrete Institute

PRECAST FOCUS

DESIGN VERSATILITY OF PRECAST CONCRETE

High-performance precast concrete is the most versatile building material available in today's construction industry. Precast concrete products can be designed, manufactured off-site, delivered just-in-time to the jobsite, and installed for almost any application ranging in size from single family homes to some of the largest structures in the world. Precast concrete has the design versatility to be the ideal building material for commercial and entertainment, government and institutional, housing and residential, industrial and warehouse, and educational structures.

In addition to the design versatility that precast concrete offers countless building applications, it also provides aesthetic, structural design, and use versatility as well.

AESTHETIC VERSATILITY

- Virtually any color, form, and texture are available with minimal maintenance required.
- Façade integration with other building systems.
- Historic compatibility with the use of an infinite variety of sands, cements, aggregates, thin-brick and stone veneers.

STRUCTURAL DESIGN VERSATILITY

- Load bearing, integrated architectural and structural building envelopes.
- Economical standard product sections.
- Long open spans available with hollow core plank and double tee slabs.

USE VERSATILITY

- Recyclable by crushing into road base or coarse aggregate for new concrete.
- Deconstructive reuse by disassembling and reuse on existing or new project expansion.
- Adaptive reuse due to long open column-free spans allowing for easier future changes in building function.

High-performance precast concrete structural and envelope systems integrate easily with other building systems and inherently provide the design versatility, efficiency, resiliency, durability, and sustainability needed to meet the multi-hazard requirements and long term demands of high-performance structures.

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