

CHECKLIST

TOTAL PRECAST CONCRETE STRUCTURES RESPONSIBILITIES

Many firms using total precast concrete for the first time are unfamiliar with the responsibilities held by project stakeholders. Use this checklist to learn more about the roles of various team members and hold contributors accountable for successful precast project delivery.

1 THE ARCHITECT

- Develops elevations, sections, and dimensions of panels
- Determines locations of joints, real (functional) or false (aesthetic)
- Describes materials, colors, and surface finish treatments
- Details corner, joint/interface, and deflection conditions
- Coordinates openings for services and equipment

2 THE ENGINEER OF RECORD (EOR)

- Designs loads, paths, and deflection limits
- Determines openings for services and equipment
- Supports locations for gravity and lateral loads
- Defines unusual erection sequence requirements

3 THE GENERAL CONTRACTOR (GC)

- Implements structure design intent
- Maintains project budget, schedule, and results
- Furnishes and coordinates trade materials, equipment, and labor
- Maintains site access and oversees project team members

4 THE PRECAST PRODUCER OR ENGINEER

- Performs component and connection design defined by EOR
- Designs and locates hardware or reinforcement for erection
- Prepares calculations and shape, shop, and erection drawings
- Provides samples and mock-ups for review and approval

5 THE ERECTOR

- Coordinates sequence of erection with GC and precast producer
- Performs layout based on GC control lines and elevation data
- Identifies and resolves alignment issues

PROJECT TIP

Contact a precast producer as early as possible in the design process, preferably during schematic design. Precasters can provide design assistance and valuable information regarding efficient panel design to ensure the best possible project outcomes.

LEARN MORE

Discover how other innovative industry professionals rely on the wide design freedom of precast concrete to support projects. [See how precast builds in a variety of markets and applications.](#)

HAVE QUESTIONS?

Take advantage of everything the PCI Mid-Atlantic Chapter has to offer its members. Get in touch with the PCI Mid-Atlantic Chapter coordinators and tap into the knowledge of fellow precasters for answers to your transportation, architectural cladding, and total precast project questions.

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