

## CHECKLIST

# PARKING STRUCTURES DESIGN CONSIDERATIONS

Precast concrete offers considerable advantages for parking structure design, including added scheduling, site coordination, and cost benefits for clients. Use the items in this checklist to develop a rough order of magnitude (ROM) price as a precaster working with garages and other parking structure projects.

## 1 LOGISTICS

- |   |  |
|---|--|
| <input type="checkbox"/> Number of stalls or cars | <input type="checkbox"/> Number of floors          |
| <input type="checkbox"/> Standard bay size        | <input type="checkbox"/> Ramp location             |
| - 48 x 60   | <input type="checkbox"/> Ramp length               |
| - 45 x 60   | <input type="checkbox"/> Soil study and conditions |
| - 36 x 60   |  |

## 2 INTEGRATION

- |  |  |
|--|--|
| <input type="checkbox"/> Egress and ingress                          | <input type="checkbox"/> Elevator access |
| <input type="checkbox"/> Security and safety                         | - Elevator shaft                         |
| <input type="checkbox"/> Fire protection (sprinklers required, etc.) | <input type="checkbox"/> Stair access    |
| <input type="checkbox"/> Drainage factors                            | - Shaft interior                         |
| <input type="checkbox"/> Lighting system                             | - Shaft exterior                         |
| <input type="checkbox"/> Wayfinding guidance                         | - Punch through                          |

### 3 AESTHETICS

- ☐ Precast finish  
(sandblast, acid etch)
- ☐ Thin brick
- ☐ Form liners  
(pattern, visual, and design aspects)
- ☐ Special features

### 4 OTHER

- ☐ Sequence, scheduling  
and construction coordination
- ☐ Site storage and logistics and erection access
  - Onsite storage or laydown areas
  - Crane restrictions

## LEARN MORE

Discover how other innovative industry professionals rely on the wide design freedom of precast concrete to support projects. [See how precast builds parking structures.](#)

## 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 architectural project questions.

#### MID-ATLANTIC CHAPTER

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