



The Innovator News

Stories, product development and expertise in precast and tilt-up concrete facades

Precast Project Profile: Calvert Street Parking Garage

In a matter of months, Shockey Precast delivered 554 structural and 223 architectural precast pieces to complete this 4 bay, 4 level, 727 parking spot structure. The intricate thin-brick design was a key to matching the surrounding buildings located in scenic Annapolis, Maryland. The thin-brick was embedded with our VersaLiner system. This included many custom parts to accommodate the ornate appearances of the facade.

The 223 architectural panels consisted of spandrels, thin-brick panels, cornices, copings and intricate column covers. The designer included 2 separate bond patterns, soldier and recessed courses. They also chose 2 different brick colors to enhance the appearance and uniqueness with running and flemish bond coursings being used with intricate detail. According to a recent case study, "Layout and detailing of the horizontal and vertical coursing of brick presented a formidable challenge to all members of the design and production teams, thus requiring diligent attention to assure proper alignment of brick between precast elements" Custom thin-brick formliners allowed these details to be executed to near perfection and produced a superior finished facade.

Erection of both architectural and structural panels was limited to the interior footprint of the parking garage providing challenges that Shockey overcame with creative thinking. The access plan was changed to eliminate ramp construction, and the last phase of construction was moved out onto the street outside the footprint. This change allowed time and expense savings for the GC and further enhanced the continuity of the erection process. The erection was completed on time in just 12 weeks



Owner: State of Maryland

Designer: Desman & Associates

Architect of Record: HSMM, Washington, DC

Engineer: Cagley & Associates

General Contractor: Coakley-Williams Construction

Precaster & Specialty Engineer: Shockey Precast Group

Thin Brick Facade: Innovative Brick Systems, LLC and Summitville Thin Brick