

## FASHION CENTRE AT PENTAGON CITY PARKING STRUCTURE, VIRGINIA

**OWNER:**

Fashion Centre  
at Pentagon City

**ARCHITECT:**

RTKL, Baltimore, Maryland

**ENGINEER/PARKING  
CONSULTANT**

Walker Parking  
Consultants/Engineers, Inc.

**CONTRACTOR:**

McDevitt & Street,  
Charlotte, N.C.

This 4,368 space parking deck, located near the Pentagon, was constructed with a major shopping center development. The development includes a mall, a hotel, an office building, department stores, and a cinema. The cast-in-place post-tensioned deck includes one level below grade and five elevated levels. A four-lane external speed ramp provides access to the flat bays. This is supplemented by an internal ramp to enhance accessibility of all levels.

Cast-in-place, post-tensioned concrete was chosen after a comparison with a precast system. Contractors received pricing drawings from the designer, and priced both schemes. After analysis of the first cost and long term maintenance costs, cast-in-place post-tensioned concrete framing was selected.

