



CATES ENGINEERING
STRUCTURAL CONSULTING

BUILDING DESIGN



Petworth Condominiums



PROJECT LOCATION
Washington DC

PROJECT TYPE
Mixed Use Residential /
Urban Revitalization

ARCHITECT
Torti Gallas & Partners

OWNER/DEVELOPER
Donatelli & Klein



PROJECT DESCRIPTION

Petworth - The structure is a 7-story mixed use building with an additional 4 levels of below grade parking. The development features 140 residential units, 24,000sf of retail space, and is situated above the Petworth Metro Station.

The design utilizes a 7" thick post-tensioned concrete flat plate system for the upper 6 floors and a conventionally reinforced flat slab system, including numerous transfer girders and sloping columns, for the below grade parking and ground floor levels.

Several long span concrete transfer girders were required to support the upper levels and bridge across the escalator below for the Metro Station. This work required close coordination with WMATA in order to maintain the accessibility of the station.

Structural Consulting Services to Architects,
Developers, Contractors and Owners

Visit our website at www.cateseng.com

Cates Engineering, Ltd.
7500 Iron Bar Lane, Suite 209
Gainesville, Virginia 20155
Tel. 571.261.9280
Fax. 571.261.9286