



CATES ENGINEERING  
STRUCTURAL CONSULTING

# BUILDING DESIGN



## Bayonne Bay- B3 & B9



**PROJECT LOCATION**  
Bayonne NJ

**PROJECT TYPE**  
Residential

**ARCHITECT**  
The Martin  
Architectural Group

**OWNER /  
DEVELOPER**  
Trammell Crow  
Residential



### PROJECT DESCRIPTION

Bayonne Bay – This project consists of 2- 4 story buildings each encased around a 5-level precast parking structure. The buildings combine to total of 480 residential units, 50 two over two stacked townhomes, a 5,000 square feet amenity clubhouse and 805 parking spaces within the two parking structures.

Buildings B3 and B9 are four-story residential buildings. The floor and roof systems of each consist of pre-engineered floor and roof trusses supported by wood walls. Building 9 also includes 50 two over two stacked townhomes adjacent to the residential building. Both building are supported by a cast in place structural slab on grade, grade beams and pile caps with a deep foundation system.

The two parking garages in this project are 5-level precast structures supported by a cast in place structural slab on grade, grade beams and pile caps with a deep foundation system.

Structural Consulting Services to Architects,  
Developers, Contractors and Owners

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