



CATES ENGINEERING
STRUCTURAL CONSULTING

BUILDING DESIGN



Caroline Village – Signal Hill



PROJECT LOCATION
Woodbridge, VA

PROJECT TYPE
Residential with
Parking Garage

ARCHITECT
Cubellis

OWNER/DEVELOPER
United Dominion
Realty Trust



PROJECT DESCRIPTION

Caroline Village – Signal Hill is an apartment complex located in Woodbridge, Virginia near Route 1 and Interstate 95. The project includes 358 units in six four-story buildings, comprised of four different building types; a standalone clubhouse; and a precast parking garage.

All buildings are constructed of pre-fabricated wood roof and floor trusses supported by wood walls. Building 1 (72 units) has a conventionally reinforced concrete transfer slab at the First Floor with parking for the tenants below. Buildings 3 and 4 (36 units) are identical buildings, as well as Building 2 and 5 (72 units). Building 6 (70 units) is a wood framed U-shaped building which wraps around a 4-level precast parking garage. The two-story, 6,000 square foot clubhouse includes space for a fitness room, a meeting area, and leasing offices.

Structural Consulting Services to Architects,
Developers, Contractors and Owners

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