



Steven Winter Associates, Inc.

"Using solar power for most of its energy needs,
this home is truly exceptional for New York City"

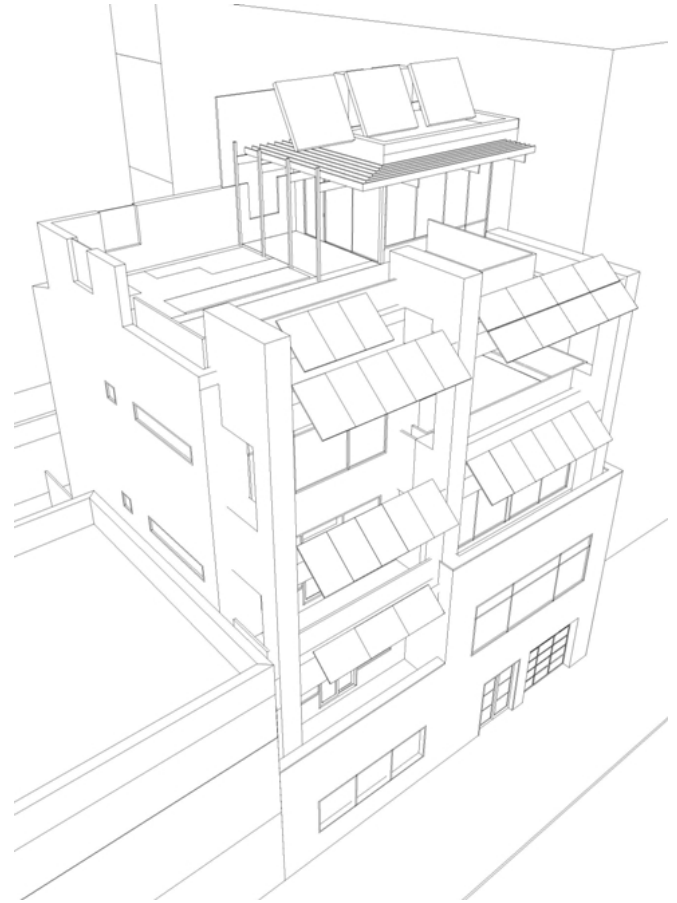
Single-Family Residence

Manhattan, NY

Project Data: High-Performance Residence

SWA's design for a high-performance, steel-frame home on New York City's Upper West Side is about to start construction. The client's desire for a utilitarian, energy efficient, and sustainable single-family residence was met by optimizing solar access for photovoltaic (PV) and solar hot water panels. To figure out the maximum solar exposure possible, SWA conducted a sunlight study using 3-D mass modeling Radiance software.

Other features specified for this 7,500-square-foot townhouse include high-performance fiberglass windows and rain-water recycling. The design also balances interior and exterior spaces on each of the five terraced floors. Green roofs and vertical plantings are interwoven with partially exposed structure, solar panels, terraces, and windows, all optimized to the building's location and use. Construction is scheduled for completion in 2007.



Client: Private Client
Location: New York, NY
Building Type: Residential
Building Size: 7,500 sf.
Project Status: Completed 2007

SWA Contact: Christoph Weigel
cweigel@swinter.com