

ng residence

The Ng residence is a high performance 2-family dwelling located in the Gravesend neighborhood of Brooklyn. Adjacent to a NYC subway line, the building sits on a complex system of piles approved by the MTA. It is built with Autoclaved Aerated Concrete (AAC) blocks with a stucco interior and plaster walls. This material provides high insulation value, fire rating, and sound insulation. Space is used efficiently and material/labor costs are saved through the use of the AAC blocks. Energy consumption of the building is minimized by the application of passive solar principles and natural daylighting. Sun shades reduce summer solar gain and cooling loads are reduced and natural sun light provides the majority of lighting needs during the day. Photovoltaic panels will be integrated into the bulkhead above the central double-height space and the rooftop trellis to produce energy.



The Client:
Alberto Ng

The Team:
Kiss + Cathcart, Architects
Severud Associates

Project Details:
\$450,000
1,800 sf
Completion 2010