



Project Description

Located in the Hamptons of New York, this waterfront modern single-family house offers a unique design with over 5,800 SF. of total finished floor area, 70 Ft. of full-height retractable window panels that allow stellar views of Mecox Bay, Channel Pond, and the Atlantic Ocean; and a detached 1,067 SF. pool house.

This residence is constructed of post-tensioned concrete slabs and conventionally reinforced concrete walls, footings, and columns. Kline's task was to design the post-tensioned slabs of both the main house and the pool house.

Some interesting structural features of this project include its long spans and long cantilevers. To preserve the sweeping uninterrupted water views and living space, the maximum span of the roof slab is 54 ft. And the long cantilevers (the longest of which reaches 20 Ft.) give the visual effect of a glass box house floating in the air.

To reduce the long-term sagging of the slab, our team provided a state-of-the-art post-tensioning design that takes the indoor/outdoor living to the next level.



Water Mill, NY

CAPABILITIES

- **Structural Design**
- **Post-Tensioning**

Architect:

Steven Harris Architects

General Contractor:

Taconic Builders

Project completion:

2014

Industry:

Residential

Project type:

NEW CONSTRUCTION