



## NYCHA Hurricane Sandy Capital Improvement Program Metro North Plaza Houses

This program was developed due to the damage occurred by the effects of Super Storm Sandy and includes site assessment and due diligence study followed by engineering design. The Design Project is for the restoration of the site, mechanical, electrical and plumbing systems damaged by the storm and associated architectural and structural work. The Metro North Plaza Houses are 3 Manhattan buildings ranging from 7 to 11-stories high. Their 269 apartment units are home to 654 people, and the structure was completed on top of just over two acres in August 1971.

AG's scope of work was as follows: Replaced existing service feeders and conduits from building service equipment to property line box. Replaced distribution boards damaged by flooding. Provided grounding system for electric service. Replaced Fire Alarm and Exit Sign disconnect switches. Disconnected existing load side feeders from temporary distribution switchboard and connect to Electric service distribution main distribution board. Provided power panels, feeders and branches for all mechanical equipment and boilers. Provided concrete pads or supports to raise electric equipment where room height permits. Provided area smoke detector and associated wiring in electric service room. Provided a permanent, elevated gas driven emergency generator with sound attenuated enclosure and associated feeders, panels and transfer switches on roof. Placement of generator, electrical room and automatic transfer switch room on roof. Reinstalled Con Edison meter. Replacement of underground conduit, wiring & site lighting. Replaced the boiler feed tank and pumps. Replaced the fuel oil pump set and associated control panel, strainer, piping and accessories. Replaced domestic water house pump system, including pumps, controls, piping, valves and disconnect switch. Replaced sump pumps and all associated piping, valves, controls, check valves, electrical power damaged by flooding. Replaced domestic hot water heaters and all associated motors, pumps, controls, piping and accessories damaged by flooding.



**A.G. CONSULTING ENGINEERING, PC**

**Location:**

New York, NY

**Owner:**

NYCHA

**Services Provided:**

Mechanical

Plumbing

Fire Protection

Electrical

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