



## NYCHA Ft. Washington Houses Boilers Replacement

As a subconsultant to HAKS, AG was responsible for the MEP engineering design to replace the existing three (3) dual fuel (#2 oil & natural gas) 113 HP steam boilers located in the sub-basement of Wing E, (the Annex) sub basement of the building, with three (3) new gas fired 125HP Hot Water Boiler serving the buildings heating needs. AG has completed design with all construction documents in August, 2013 and the project is currently out to bid. The scope of the work involved replacement of the following:

- Boilers, burners, control systems and draft regulators
- Breeching
- Boiler feed water system
- Demolish fuel oil handling system
- Natural gas supply system
- Combustion air & boiler room ventilation
- Boiler room drainage and plumbing
- Boiler room electrical service
- Electrical distribution within the boiler room
- Demolition of unused systems

Engineering for the new plant includes calculations to determine the heating load. Boiler size and number are based on the space heating load determined. Boiler output then determines the size of the hot water pumps, expansion tanks. Piping sized to meet maximum demand.

### Location:

New York, NY

### Owner:

NYCHA

### Services Provided:

HVAC

Plumbing

Fire Protection

Electrical Design

CA Phase



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