

**CLIENT**

**NYCHA**

**LOCATION:**

Carleton Manor  
Queens, NY



**SCOPE OF WORK**

DESIGN START:  
2014

Develop 25% Design Documents for storm-proofing and hardening Carleton Manor, NYCHA site.

DESIGN COMPLETE:  
2015

**PROJECT DESCRIPTION**

A&J designed new elevated central heating plants and new electrical switchgear rooms to withstand the effects of a future storm at Carleton Manor in Queens, NY. We designed schematic design drawings, performed heating and electrical load calculations, documented the damage of existing building systems, developed cost estimates, and specified the new replacement equipment.

Existing Mechanical Equipment Room (MER) located within the basement of Carleton Manor Building at 71-15 Beach Channel Drive, was totally submerged during Hurricane Sandy.

We designed an annex above the approved designated flood elevation height to house the new mechanical room and ancillary equipment to also provide a new electrical switchgear room. In addition, we have designed an emergency generator to power the NYCHA site.