

## R A N D

## Complete Electrical Upgrade

## Clinton Hill Apartments



The electrical upgrade that RAND administered at Clinton Hill Apartments covered all 1,229 units throughout the 12-building complex. Newly installed equipment included submetering banks for individual apartments.

**PROPERTY**

12-building, 1,229-unit cooperative in the Clinton Hill section of Brooklyn.

**PROJECT OVERVIEW**

Major upgrade of the cooperative's entire electrical system, including conversion to apartment submetering.

**ELECTRICAL SURVEY**

RAND's survey revealed an inadequate electrical system that did not meet modern day requirements, causing inconvenience and dangerous overloading of apartment branch circuits.

The size of the risers feeding each apartment was also inadequate. The condition of the electrical system

distribution components proved to be outdated and in need of repair, including the main service into each building.

**SCOPE OF WORK**

For conversion and upgrades, RAND specified the following work items:

- Property line boxes and Con Edison service "end" boxes
- Switch panels in each building, including a new 1,600-ampere main building service switch in 165 Clinton Avenue and a new 2,500-ampere main building service switch in the other buildings
- Service switches, meters, and circuit breaker panels to supply the elevator system and public light and power (PL&P).

- Apartment submetering banks
- Risers to connect the new submetering banks to each new apartment circuit breaker panel.
- Two 20-ampere kitchen appliance circuits and one dedicated air conditioner circuit within each apartment.
- Disconnect switches for separate apartment lines.

**ENGINEER/ARCHITECT**

RAND Engineering & Architecture, DPC

**CONTRACTOR**

Takos & K Electric, Inc.

**CONSTRUCTION COST**

\$3,730,000