

R A N D

Oil-to-Gas Conversion

771 West End Avenue



RAND designed and administered a heating plant upgrade, oil-to-gas conversion, and new chimney liner installation at 771 West End Avenue. New boiler (right, top) and gas meter rig piping (right, bottom).

PROPERTY

73-unit, 12-story, 116,520-square-foot cooperative at 771 West End Avenue on the Upper West Side of Manhattan, built circa 1915

PROJECT OVERVIEW

Heating plant upgrade, oil-to-gas conversion, and new chimney liner installation

SCOPE OF WORK

RAND designed and administered the following work items:

- Installation of new 8-inch low-pressure gas service main piping
- from new point of entry, new swing-over piping, and 6-inch gas supply to boiler/burner
- Demolition/removal of existing boiler and installation of new low-pressure three-pass Scotch-marine steel boiler (A.L. Eastmond, Model FST-300) rated at 300 boiler horsepower
- New dual-fuel Johnson burner on new boiler
- New underground breeching for new boiler
- Tie in connection for existing domestic hot water system
- New Siemens 4-inch gas train for safe operation of new heating system
- New insulation on boiler, boiler breeching, and all new piping, valves, and fittings
- New stainless steel liner within existing masonry chimney

ENGINEER

RAND Engineering & Architecture, DPC

CONTRACTOR

Champion Combustion

CONSTRUCTION COST

\$566,400