



Client

Housing Authority of the
County of Cook

Prime

Delta Engineering Group, LLC

Reference

Mr. Celestine M. Ugonna
Modernization Engineer
708-755-1700 ext. 241

Schedule

Jan. 2007-Jun. 2008

Existing Conditions



Delta Engineering Group, LLC
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312-377-7700

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Jane R. Perlman Apartments Boiler Removal and Replacement

Delta designed and provided overall supervision throughout the removal and replacement of the heating and hot domestic water boilers for Jane R. Perlman Apartments. Perlman is an affordable housing complex at 1900 Sherman in Evanston, Illinois.

Scope of work involved:

- Completed a study of the existing conditions and recommended modifications and upgrades
- Designed phasing the removal of old boilers and installation of new boilers
- Modified electronic controllers that allow the system to sequence and balance itself on demand and interface with the new boilers and old control system
- Delta engineers ensured compliance with current building codes and OSHA standards
- Maintained operation with no down-time as building remained fully operational under full building occupancy
- Modified system to accommodate manufacturer's specifications of existing boilers versus new, larger A. O. Smith "Burkay" type, Model HW-670 boilers
- As new boilers were slightly larger in diameter than the old boilers a major concern was whether new boilers could fit the space of the old boilers and still reserve space for service and maintenance
- After a comparative review of the specifications, Delta determined that the new boilers have twice the capacity of the old boilers. That being the case, **six new boilers** (A.O. Smith, "Burkay" type, Model HW-670) **replaced the original 10 boilers**

