

## **St. Albans, NY VA Hospital Replacement of 3 Boilers**

### **Design Specifications and Construction Period Services.**

- Asbestos survey and abatement design
- Boiler plant study
- Design for the electrical and mechanical installation of temporary deaerator and condensate return tank
- Design for roof and wall demolition and installation for boiler equipment access
- The demolition drawings will show the removal of the existing deaerator and condensate return tank system. This work will include the following systems and equipment: condensate return tank, trim, and controls; condensate transfer pump (two electric pumps); steam pressure reducing valve (PRV) station serving the deaerator tank; and deaerator tank, trim, and controls.
- Design the electrical and mechanical installation for the deaerator and condensate return tank system. The equipment will be installed in the same location as the existing deaerator and condensate return tank system.
- Design for electrical and mechanical installation of high-pressure steam boiler system (30,000 pph). It will include the following systems and equipment: condensate return tank, trim, and controls; condensate transfer pump [two electric pumps with variable frequency drives (VFDs)]; steam PRV station serving the deaerator tank; deaerator tank, trim, and controls; and boiler feed pumps (two electric pumps with VFDs and one steam driven pump), steam flow meters, boiler, and plant master control system.
- Development of technical drawings and specifications.