

DATA CENTER – Norcross, Georgia

DESIGN AND CONTINUOUS FACILITY UPGRADE

SCOPE Designed a new 100,000 square foot facility with 50,000 square feet of raised floor area. Work has included numerous modifications to the mechanical systems for this critical data center facility over a period of 17 years.



Mechanical Contractor
Batchelor & Kimball

Prime Consultant
Johnson, Spellman & Associates

Construction Cost
\$4,000,000 - \$5,000,000 (est.)
over 17-year period (mechanical)

SPECIAL CIRCUMSTANCES

- Expansion of the chilled water plant from 1,200 tons to 2,400 tons.
- A building expansion that included the addition of a new, independent, secondary chilled water-piping system incorporated into the existing primary/secondary piping system.
- Design and installation of five new diesel generator plants for complete on site power operation.
- Design of the fuel-oil storage and delivery systems for the diesel-generator plant, which included two 10,000-gallon underground fuel-oil tanks with redundant daytank and piping system features.
- Renovation of the existing automatic fire protection sprinkler system, which included the addition of two new fire pumps and rezoning of the system for multiple hazard classifications.
- Design and installation of complete direct digital control and monitoring system for the entire central plant.
- Addition of redundant secondary chilled water pumps and associated piping for cooling of the mainframe computers.
- Installation of backup water supply for fire service and cooling towers to include wells, lake water supply, and 125,000-gallon on-site storage tank.

