

CRITICAL DATA/COMMUNICATIONS FACILITY – Atlanta, GA

NETWORK INFORMATION CENTER EXPANSION

SCOPE Expand base building chiller plant designed by JSA in 1997. Installation of 20+ additional chilled water computer room air conditioning (Liebert) units.



Mechanical Contractor
B & W Mechanical, Inc

Prime Consultant
Barnett Consulting Engineers

Construction Cost
\$3,000,000 (mechanical)

SPECIAL CIRCUMSTANCES

- New data processing equipment required expansion of the initial chiller plant to its ultimate designed capacity.
- Two new 400-ton water-cooled chillers, two new 400-ton cooling towers, and associated pumps doubled the building's plant capacity without interrupting cooling to the existing 24/7 Data Center.
- A third variable speed secondary pump was added to supplement the two existing secondary pumps to distribute the chilled water through underfloor piping to the Lieberts.
- Direct digital control system was expanded for the new equipment.
- New engine house with two new generators was installed with sound attenuation and ventilation.
- Two new 10,000-gallon underground storage tanks provide fuel for the new generators.
- The emergency make-up water storage system was expanded with the installation of a second 10,000-gallon underground storage tank.

