

## CRITICAL DATA/COMMUNICATIONS FACILITY – Durham, NC

### NEW BUILDING

**SCOPE** Provide mechanical systems design and construction services for a new 100,000 sq. ft. central telephone switching facility. Building is designed for future growth to a total of 200,000 sq. ft.



**Mechanical Contractor**  
Mechanical Contractors, Inc.

**Prime Consultant**  
Alsbrooks Architects, Inc.

**Construction Cost**  
\$28,000,000 (total)  
\$5,000,000 (mechanical)

### **SPECIAL CIRCUMSTANCES**

- Design plans for future high-rise status for HVAC, Plumbing, and Fire Protection.
- The chiller plant design is based on this Owner's "N + 1" requirement incorporating 100% redundancy into the central plant.
- The entire building can be powered by emergency generators, which are supplied by three 20,000-gallon underground fuel tanks.
- Energy efficient chillers and waterside economized piped in a "side car" arrangement lower utility costs.

