

COMMUNICATIONS FACILITY – Jacksonville, Florida

NEW SWITCHING FACILITY

SCOPE Design the mechanical systems for a new two-story, 92,600 square foot telephone switching facility.



Mechanical Contractor

W.W. Gay Mechanical
Contractor, Inc.

Prime Consultant

Howell Rusk Dodson -
Architects

Construction Cost

\$4,500,000 (mechanical)

SPECIAL CIRCUMSTANCES

- The HVAC system design consists of four 400-ton centrifugal chillers (two future), two 10,000-gallon underground water storage tanks, and over seventy computer room air conditioning units.
- Two 20,000-gallon underground fuel tanks supply four 2-megawatt emergency generators (two future), which can power the entire facility.
- The central chiller plant design includes an “N + 1” redundancy requirement.
- A zoned pre-action fire suppression system protects the facility.



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