

Lexington Medical Center

Columbia, SC

Healthy Building Additions



Negative Pressure Rooms

Pandemic Ready Ventilation

PROJECT OVERVIEW

Veregy designed a new central energy plant building with 110 PPH of steam boiler capacity and 11,000-tons of chilled water capacity. The plant also includes 6,000 kw of emergency generators for the campus expandable to 14,000 kw, along with a fuel oil system sized to handle both the generators and boilers. This central energy building serves both the existing and new hospital addition, which is a 1.5 million SF facility. The plant is part of the Central Energy Building and provides emergency power to all portions of the facility, including the data center. Veregy designed the mechanical, electrical, plumbing and fire protection services for the new bed tower addition, including 14 new air handling unit systems to be installed on interstitial mechanical floors. Addition of a new tower connected to their existing Notifier Fire alarm system provide new fire command center and fire alarm system for the new tower. As part of the new tower, a new server and kitchen was added. Work including phasing to allow connection areas to be renovated while new construction commenced without interference with an operating hospital. Fire alarm system included monitoring and connections for the fire pump, stairwell pressurization, A/V devices, and detection/initiation circuits.

PROJECT HIGHLIGHTS

- New Steam Boiler
- Emergency Generators
- Fuel Oil System
- HVAC
- Mechanical Protection System
- Fire alarm system
- Stairwell Pressurization
- Project Cost- \$400 Million
- Project Size- 545,000 Square Feet



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