

Helen Keller Hospital

Sheffield, Alabama

*People, Building Excellence
for People*



Type of Facility: Healthcare

Project Description:

- Project involved 100,000 sq. ft. addition and renovation to the existing hospital. The addition was a four-story structure grafted into the existing hospital.
- The mechanical infrastructure consists of two 450-ton chillers, two cooling towers and six pumps.
- The HVAC airside system consists of one large indoor chilled water modular climate changer with a medium pressure duct system routed to the system's variable air volume boxes.
- The duct system is a fully ducted supply and return system.
- Two hot water boilers are used to provide heating hot water to the facility. The boilers are dual fuel boilers to provide backup fuel sources.
- A state of the art direct digital controls system monitors and controls the building systems to maintain optimum operating performance and energy efficiency.
- Domestic hot water is provided by gas fired water heaters.
- The medical gas systems includes oxygen, medical air, vacuum, noxious oxide, and nitrogen. The project included the addition of a new medical air compressor and a new vacuum pump.

General Contractor: Robins & Morton

Engineer: Phoenix Design Group

Architect: Earl Swensson

Total Contract: \$2,487,668.00

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