

ROCKDALE MEDICAL CENTER – Conyers, Georgia

OPERATING ROOM RENOVATION

SCOPE Upgrade existing HVAC system serving 26,000 sq. ft. Surgery Suite operating rooms to provide lower room temperatures meeting current hospital needs.



Owner

Rockdale Hospital

Mechanical Contractor

Batchelor and Kimball

Prime Consultant

CDH Partners

Construction Cost

\$1,060,000 (total)

SPECIAL CIRCUMSTANCES

- Multiple construction phases of the project to accommodate continuous availability of required minimum number of Operating Rooms.
- Accelerated design and construction schedule (six months total) to complete construction prior to start of cooling season.
- Revised design-basis operating room conditions of 60°F at coincident 55% relative humidity along with meeting requirements for simultaneous increase in outside air intake quantity.
- Two new 8700 CFM air-handling units with secondary chilled water/glycol cooling coil providing 43°F supply air.
- Dedicated secondary-cooling, air-cooled chiller with water/glycol circulating fluid supplying 37°F chilled water to coils.
- Overhaul of the existing air-handling unit to address outside air intake, air mixing and controls-related issues, and reconfiguration of the unit to serve Surgery Suite less the operating rooms.
- Renovation of ductwork system in separate sub-phases to convert air terminals and steam humidifiers to association with new air units.
- Relocation of existing HVAC equipment serving Central Supply and ETO Sterilizer to accommodate new HVAC systems.



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