

ROCKDALE MEDICAL CENTER – Conyers, Georgia

EMERGENCY DEPARTMENT ADDITION AND RENOVATION

SCOPE Provide mechanical systems design and construction phase services for a 17,600 sq. ft. addition and a 10,500 sq. ft. renovation of the emergency department.



Owner

Rockdale Hospital

Mechanical Contractor

Batchelor and Kimball

Prime Consultant

CDH Partners

Construction Cost

\$6,700,000 (total)
\$1,639,000 (mechanical)

SPECIAL CIRCUMSTANCES

- Two new custom chilled water air handling units with variable frequency drive fan motor and airside economizer cycle. Each air-handling unit has independent ducted primary and secondary outside air intake connections to maintain required ventilation requirements.
- Developed the Building Automation System sequence of operations for the emergency department.
- Maintain occupancy of Emergency Department during construction and renovation.
- Decontamination showers with underground decontamination waste holding tank.
- Water and medical gases routed within crawlspace to serve new addition.
- Waste and rainwater systems routed to include new building portions but avoid existing building to allow occupancy of existing building.
- Medical oxygen, air, and vacuum systems with shut-off valve cabinets located outside of each building area.
- Relocated medical gas master alarm panels.
- Various styles of plumbing fixtures including wall-hung and floor-mounted toilets, sensor-operated fixtures within public restrooms, various sinks, and a handicapped accessible scrub sink.



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