

Alliance Medical Center

Odessa, Texas

*People, Building Excellence
for People*



Type of Facility: Healthcare

Project Description:

- The mechanical system consists of seven modular and one rooftop chilled water air-handling units.
- The central plant consists of two 400-ton water-cooled centrifugal chillers and base mounted pumps to serve the chilled water and condenser water systems. On the roof, there are two induced draft cooling towers. Steam is provided by two 300-boiler horsepower high-pressure steam boilers.
- The combined plumbing and HVAC piping systems included the installation of over 80,000 feet (15 miles) of piping.
- The energy management system is a Direct Digital Control (DDC) system. An EPA compliant underground fuel oil storage tank is provided to serve the boilers and emergency generator.
- The domestic water system is provided with softeners and an impressive nanofiltration system due to the high level of total dissolved solids in the city water. The domestic hot water is generated by three instantaneous steam water heaters.
- Medical gas requirements are served by a triplex medical vacuum pump and duplex medical air compressor system. The medical gas fixtures included 811 medical gas wall outlets, 200 ceiling mounted outlets, and 8 local alarm stations.

General Contractor: Brasfield & Gorrie

Engineer: Lee Company

Architect: Johnson Johnson Crabtree

Total Contract: \$7,692,662.00

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