



Campbell County Memorial Emergency Room Addition

This 6,000 SF emergency room remodel/addition consisted of HVAC, plumbing, Medical Gas and specialty systems. Two trauma rooms were designed with isolation ventilation, humidity control and stringent HVAC temperature control. Project also included isolation rooms and decontamination shower facilities.

Project Data

Owner

Campbell Co. Memorial Hospital

Location

Gillette, WY

Building Type

Hospital

Building Area

6,000 SF Addition

Mechanical Systems / Features

Medical Gas System
Isolation Ventilation
Humidity Control
Stringent HVAC Controls
Decontamination Showers

Construction Cost

\$3,200,000

Completion Date

June 2010

Mechanical Engineering

High efficiency, packaged units with hospital grade filter curbs were utilized to maintain air quality and comfort conditions in the trauma rooms. Operatory grade, laminar flow diffusers were incorporated and localized humidifiers fed with RO water were located in each trauma room as well. All the patient and trauma rooms had distributed medical gas piping to remote outlets and new headwalls. A decontamination shower area and ante room were designed with separate mechanical systems to capture and maintain proper decontamination/isolation protocol for contaminated air and water.

