

Eagle Sales Distribution/Warehouse



This 68,000 SF of greenfield design-build project consists of a new warehouse/distribution and materials management facility for a beverage distributor. The 25,000 SF of office component includes two stories of office spaces including conference and training rooms, offices, sales room, break room, sign shop and sign repair, brewing room, catering warming kitchen, restrooms and other support spaces. The warehouse component includes a drive through, refrigerated packaged product storage, refrigerated draught cooler, and 6 loading docks.

Project Data

Owner

Eagle Sales

Location

Rapid City, SD

Building Type

Warehouse / Distribution

Building Area

68,000 square feet

Mechanical Systems / Features

- High Efficiency Packaged Rooftop Units
- Total Energy Recovery Units
- Radiant Tube Heaters
- Demand Control Ventilation
- Domestic Water Distribution
- Wet & Dry Fire Suppression
- Hands Free Plumbing Fixtures

Electrical Systems / Features

- Interior/Exterior Lighting
- Occupancy-Based Controls
- Expandable Power Service
- Security Infrastructure
- Interactive White Board Infrastructure
- Telecommunications Infrastructure
- Fire alarm System

Construction Cost

Approx \$4,500,000

Completion Date

2011

Mechanical Engineering

Mechanical HVAC system utilized high efficiency packaged roof top units for the office areas with provisions for future solar (PV) panel installations. Total energy recovery units were coupled with several packaged rooftop units to optimize energy costs for required ventilation. The drive thru area included an automated ventilation/exhaust system as well as modulating, gas fired radiant tube heaters. Low water consumption plumbing fixtures and trim were incorporated throughout the facility. In addition, a low temperature, DX cooling split system was utilized for the needs of the packaged product storage and draught cooler

Electrical Engineering

The electrical engineering included new site lighting and all interior and exterior lighting selection and design. Lighting controls included the use of occupancy sensors.

Power for this new facility was provide by a single 800 amp service with provisions to facility another 800 amp service. No emergency power source was desired.

Systems included infrastructure of security systems, telecommunications and an interactive learning board system.