



Prairie Berry Brewery

This Design-Build facility is converting the former Wool-N-Stuff into the Miner's Brewery Company. The facility is comprised of two sides – bar area and production. The Bar side consists of a miner's genre facilitating tasting and general sales. In full view to the public, the production area provides visual demonstration of the brewing equipment and processes. Like the adjacent winery, industrial décor was chosen to reflect the historic mining activities in the Black Hills.

Project Data

Owner

Prairie Berry Winery, Brewery

Location

Hill City, South Dakota

Building Type

Brewery

Building Area

4000 square feet

Mechanical Systems / Features

- (2) 3 Ton Packaged Rooftop Units
- Electric Cove Heat
- 4.5 Ton Air Source Chiller
- 199 MBH Domestic Water Heater
- 4,000 Gallon Per Day Reverse Osmosis System

Electrical Systems / Features

- Décor Lighting
- Exterior Lighting
- Communications Connectivity
- Fire Alarm

Completion Date

2013

Mechanical Engineering

3 ton rooftop units are comprised of stainless steel gas fired heat exchanger and a DX cooling system. The units provide the heating and cooling needs of the production and retail areas. Electric cove heat serves the heating needs of the restroom mechanical room.

4.5 ton chiller and steam boiler provides chilled water and steam needs to the process loads of the facility. 199 MBH water heater provides domestic hot water for the sinks and sanitation needs. Reverse osmosis system provides all of the water requirements for craft beer production.

Electrical Engineering

Interior lighting design features energy efficient fluorescent and LED lighting sources. Period/décor appropriate lighting was chosen around fixtures that could utilize efficient LED lamping technologies. Exterior lighting design also features LED lighting for the storefront and seating areas.

The electrical distribution system consisted of a new pad mount transformer providing a 120/208V, 3PH, 4W secondary service for a 600 amp main distribution panel. The service is set up to support a future outdoor entertainment concert lawn and associated concessions.

Systems included Fire Alarm and communications/connectivity.

