GRUNAU

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Columbia St Marys Ozaukee Expansion

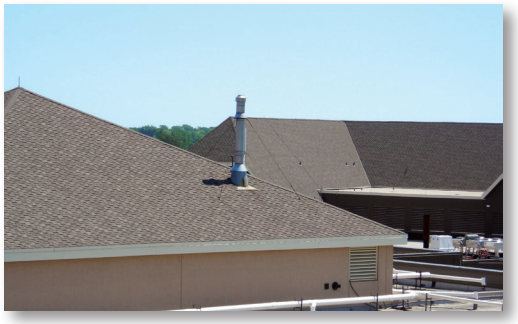
Case Study

Location: Mequon, WI

Industry: Healthcare

Scope: BIM, HVAC, Temperature Controls, Service

Contract Amount: $4.1 MN



Sloped rooftops on St Mary's facility

When Columbia St Mary's expanded their Ozaukee hospital with two additional patient wings, the local building codes required all structures to have a peaked roof. This gabled roof provided a design challenge for installing all the HVAC components as well as the mechanical room.

Using Building Information Modeling (BIM), Grunau mapped the exact order of how all the duct work and piping should be installed. Working with the sloped roof, pieces of the HVAC and temperature control systems were installed in an unusual order, placing the pieces that lay in the peak first, then building down from there.

In the end, the labyrinth of piping and duct work was efficiently laid out to fit the small, uncommon space. With our mechanical experience and knowledgeable use of BIM technology, Grunau was a natural choice for the job. Grunau's relationship with Columbia St Mary's remains strong as we continue to service this distinctive medical facility.

Expansion SqFt: 266,000

Owner: Columbia Saint Mary's

Owner's Rep: Hammes Company

General Contractor: Mortenson Construction

Architect: HOK

Engineer: Ring & DuChateau

Delivery Method: Plan & Spec

Contract Type: Fixed Price

Website: www.grunau.com

HVAC duct installed in the expansion