

# Project Profile

WellSpan Ephrata Hospital  
Chiller Plant  
Ephrata, Pa.

Scope:  
Chiller Plant expansion.



*Chiller piping.*



*Air separator pumps.*



*Cooling tower.*



*New pumps in for the Chiller Plant.*

## *Project Spotlight*

# WellSpan Ephrata Hospital

## *Chiller Plant Expansion Projects*

*Ephrata, PA*

To accommodate its needs for additional capacity and redundancy, WellSpan Ephrata Hospital required the upgrade and expansion of its chiller plant. James CRAFT & Son was contracted to install the owner-furnished chiller and refrigerant monitoring system, cooling tower, four new pumps equipped with variable frequency drives (VFDs), an air separator, expansion tank, air handler, exhaust fan, gravity ventilator and all the supply grilles. Additionally, we installed above- and below-ground sanitary, vent and stormwater piping, along with all the drains, water meters, backflow preventers, and pressure reducing valves. Throughout the hospital, we installed new valves in 29 fan coils, and 12 air handlers.

Two unique aspects of this project. Two rental chillers, already onsite prior to construction, had to be worked around, but have since been removed. The project required that the existing system remain active while the new cooling water piping system was installed, so new piping had to be designed and installed around the existing piping. Once the new hybrid primary cooling water loop was commissioned the existing piping was removed.

Once again, we called on the skill and creativity of our designers and fabricators to layout and build all the piping and ductwork for the project, which kept the project on target. And precision crane work by Eisenhart Crane Service allowed for lifting and setting the new cooling tower on the roof, the new 32,000-pound chiller in the mechanical room, and the removal of the existing pumps located in the hospital penthouse.

Our Team included estimator Mike Kearns. Our key field personnel onsite were Nate Cooper, Joe Keutsch, Keith Painter, Jesse Walker and Ivan Maletin.

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