

MAKING BUILDINGS BETTER



KISHWAUKEE COMMUNITY HOSPITAL

Owner: Kishwaukee Health System

Architect: Albert Kahn

Mechanical Engineer: KJWW

Mechanical Contractor: Hill Mechanical

Customer challenges:

The owner realized as a result of the region's booming aging population, there was increased demand on the hospital. In addition to the increased patient numbers, the facilities at Kishwaukee Community Hospital were outdated.

To stay competitive Kishwaukee was in need of a new healthcare facility with up-to-date features. This would allow the hospital to continue to meet the needs and expectations of their patients.

Trane Solutions to the Challenges of the Project:

Trane provided Kishwaukee hospital with an Integrated Comfort Solution which included equipment and a Tracer Summit building automation system. Trane's Integrated Comfort Solution reduced the commissioning time and streamlined the process for the construction team.

Due to their medical equipment on site, Kishwaukee hospital required year round cooling. A Trane RTAC air-cooled chiller is used as a swing season chiller which meets the internal cooling requirements in the winter. The Trane chiller is piped to a remote evaporator located indoors beside the centrifugals.

Kishwaukee required low dew points for their surgical suites. Realizing that standard air conditioning systems have a limited dehumidification capacity Trane resolved this issue by providing a second Trane RTAC air-cooled chiller. The chiller is operated to achieve the low dew points required in critical patient care areas of the hospital.

Trane Equipment/Controls:

Two Centrifugal Chillers, Two Air-Cooled Chillers
Seven Custom Air-Handlers, VAV Boxes
Trane Tracer Summit Building Automation System



HEALTHCARE