

MAKING BUILDINGS BETTER

BOLINGBROOK HIGH SCHOOL



Owner: Valley View School District 365U

Architect: Wight and Co.

Mechanical Engineer: WMA Consulting Engineers

Customer Challenges:

In 2001, Valley View Public schools had a student population of nearly 14,000 and maintained two aging high schools. Valley View serves two high growth towns of Romeoville and Bolingbrook. The district needed to upgrade and expand their facilities. Bolingbrook High School also decided to be one of the first schools to insist on a sustainable design for their building.

Trane Solutions to the Challenges of the Project:

Trane was able to assist the design team in making Bolingbrook High School an efficient, sustainable, and comfortable learning environment. Trane's efficient equipment and energy conservation measures helped Bolingbrook earn LEED points. The Tracer Summit BAS uses open standards to address the districts needs today, and future work. Trane worked with a local supplier to integrate fume hoods and single seat control of building automation, card access, and security.

Measurable Results of the Project:

Bolingbrook H.S. was the third LEED certified school building in North America, and the first in the state of Illinois! One design aspect which contributed to this certification was the building's water efficiency. An innovative condensate recovery system reused water which was removed in the air handling units.

General Description of the Building:

The high school is a 568,000 square foot facility with approximately 120 classrooms. The building accommodates approximately 3,600 students.

Trane Equipment/Controls: Tracer Summit BAS using open standards to address the districts needs today, and future work. Trane CenTraVac chillers, custom and modular air handlers, VAV boxes.

