



Customer focused. Built on values.

## Case Study

Location: Milwaukee, WI

Industry: Education

Scope: HVAC, Plumbing, Fire Protection

Contract Amount: \$1.4 MN



Building SqFt: 36,000 revovation  
40,000 addition

Owner: [Marquette University High School](#)

General Contractor: CG Schmidt

Architect: Eppstein Uhen

Engineer: Grunau Company

Delivery Method: Design Build

Contract Type: Guaranteed Maximum Price

Website: [www.grunau.com](http://www.grunau.com)

## Marquette High School

Because of Grunau's experience with school construction and contractor laws and codes for education facilities, Grunau's team is able to maintain quality and code standards, and work efficiently around students, staff and faculty.

At Marquette University High School, two new additions were added to the school and extensive renovations were made to the science, art, and athletic areas. To ensure code adherence in the new additions, Grunau Fire Protection installed a standard wet fire protection system. In the remodeled sections of the facility, the existing fire protection system was updated and modified to accommodate the new layouts.

In addition to fire protection, Grunau completed the HVAC and plumbing work for the high school. Rooftop HVAC units and variable air volume (VAV) boxes with reheat coils now supply conditioned air to the new building additions and some of the remodeled space. Grunau installed a chiller and piping to unit ventilators to provide air conditioning for the first and third floors in the existing facility.

Grunau also remodeled the restrooms and installed various sinks throughout the building. Acid-waste piping was installed in the chemistry and science labs to convey potentially hazardous waste chemicals to an acid dilution basin, which neutralizes the chemicals before they reach the building sewer. Furthermore, Grunau outfitted the school's labs with 50+ gas turrets to supply natural gas for science experiments.

A majority of the project was completed during summer but some work was done during the school year. The team did a great job keeping the construction away from the teenaged students, with as little disruption to their schedules as possible while providing the mechanical elements to ensure the faculty and students' comfort for years to come.

