



Jackson Township Board of Education Engineer of Record

PROJECT INFORMATION

CONCORD DIVISION

Commercial

PROJECT LOCATION

Jackson, NJ

MARKET

K-12 Schools

SERVICES

Engineer of Record

CONSTRUCTION COST

\$16 Million

ABOUT THE CLIENT

The Jackson School District is a comprehensive community public school district, serving students in kindergarten through twelfth grade from Jackson Township, in Ocean County, New Jersey, United States. The district operates six elementary schools serving grades K-5, two middle schools and two high schools with around 9,000 students in the 10 schools.



ENERGY CONSERVATION PROJECT

Concord Engineering provided design, construction, and commissioning services to Jackson Board of Education in regards to energy conservation. The project included lighting retrofits, new high-efficiency rooftop DX units with HW coils, at goers, new geothermal heating and cooling systems, new DDC building management systems, and heat receiving units. The project was funded by a performance contract with Johnson Controls, Inc. with a guaranteed savings for a 10- year period. Concord Engineering also obtained an incentive from the Smart Start Buildings Program in the amount of \$286,000. Concord designed, managed construction, and commissioned the project at seven district schools.

JACKSON MEMORIAL HIGH SCHOOL RENOVATIONS

As Engineer of Record, Concord also provided professional mechanical, electrical and plumbing services for the complete HVAC renovations to the 306,000 square-foot high school.

The project includes Gas-fired/Dx Rooftop Units (RTU), boilers within mechanical room and indoor split system Air Handling Units (AHU) and unit Ventilators (UV). The new UVs were specified with HW heating and split Dx cooling with the condensing units located on the roof. Existing RTUs where replaced with new high efficiency units and the H&V units currently serving the gyms and cafeteria were replaced with Dx/Gas-fired Rooftop Units (RTU).

New high efficiency condensing boilers replaced two existing cast iron sectional boilers installed in 1993. Existing interior propane fired generators were replaced with new natural gas fired generators located at the exterior in sound attenuated enclosures. Existing BMS, Clock/PA and sound reinforcement systems was also replaced in their entirety.