



Radnor Middle School Engineer of Record

PROJECT INFORMATION

CONCORD DIVISION

Commercial

PROJECT LOCATION

Wayne, PA

MARKET

K-12 Schools

SERVICES

Engineer of Record

CONSTRUCTION COST

\$41 Million

ABOUT THE CLIENT

Radnor Middle School was originally built in the 1920s and used to be Radnor High School. Eventually, as both the demand for a larger building and admissions to both the middle and high schools grew, the two were separated. The old middle school was demolished in 2007 and was replaced by a brand new "green school" featuring geothermal walls, a "green" roof, and geothermal heating and cooling.



PROJECT SUMMARY

Concord Engineering was the Engineer of Record for the new 195,000 square foot high-performance Radnor Middle School located in Wayne, PA. Concord worked closely with the Owner and Architect to ensure high consideration was given to the Owner's needs as well as operation and maintenance of the new facility. Concord understands that operation and maintenance costs are the most significant expenses throughout the life of the building, and typically far exceed the first costs of construction over the building's life.

ENERGY EFFICIENT PROJECT HIGHLIGHTS

Concord Engineering utilized energy efficient "Green Design" standards in order to promote a healthier, enhanced learning environment.

- Geothermal heating and cooling via heat pumps; 144 total vertical bores
- Decoupled, dedicated ventilation systems with energy recovery and CO2 control
- Full building direct digital control for HVAC, security and lighting
- High efficiency lighting design; T5 direct-indirect fixtures with lighting controls
- Daylight harvesting and daylight controls
- LEED Gold Certification