



Midtown Community Elementary School Engineer of Record – New Construction

PROJECT INFORMATION

CONCORD DIVISION

Commercial

PROJECT LOCATION

Neptune, NJ

MARKET

K-12 Schools

SERVICES

Geothermal Engineering

CONSTRUCTION COST

\$35.7 Million

ABOUT THE CLIENT

The Neptune Township Schools are a comprehensive community public school district. Midtown Community Elementary School (MCES) serves all students in grades K through 5. One of the first public schools to achieve a LEED™ rating, MCES was created through a collaboration of a number of government agencies called the Schools Development Authority (SDA) which is charged with using its \$3.9 billion in funding to provide "safe, healthy, and sustainable schools."

(856) 427-0200
CONCORD-ENGINEERING.COM



PROJECT SUMMARY – FIRST LEED PLATINUM SCHOOL IN THE US

Concord's engineering design helped this project achieve LEED™ Platinum certification. LEED, or Leadership in Energy and Environmental Design, is an internationally recognized green building certification system. Developed by the U.S. Green Building Council (USGBC) in March 2000, LEED™ provides building owners and operators with a framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

ENERGY EFFICIENT/SUSTAINABLE FEATURES

- Geothermal heating/cooling with raised floor displacement ventilation
- Ventilation heat recovery wheels
- Variable speed drives on loop pumps
- Individual classroom dehumidification
- DDC building management and control
- 30 kW AC Solar PV electrical system and green turf roof
- Waterless urinals
- Light shelves
- Triple pane low e windows
- Super H.E. lighting design, lighting occupancy sensors, daylight dimmable ballasts
- Full building commissioning

BENEFITS OF GREEN DESIGN

- 30% more energy efficient than required by NJ Energy Code
- Incorporates best building technology
- Utility rebates for energy efficiency
- Healthier indoor air quality
- Improvement in student performance
- Contributes to better daily attendance