

Northwest LSD – New High School

Project Location: Canal Fulton, Ohio

Project Date: 2005



Condensing Boilers



Heating Water Pumps



500 Ton Outdoor Air Cooled Chiller



Hi Efficiency Domestic Water Plant

Project Description:

A new nominal 111,000 sq. ft. high school with central systems sized for a future planned expansion to 160,000 sq. ft. Special features include an 8700 sq. ft. Performing Arts Hall and a 3600 sq. ft. Library. The design is in accordance with the Ohio Schools Facility Commission standards.

The plumbing systems included standard items such as roof drainage, toilet rooms, locker rooms, and a full service kitchen as well as gas piping and an acid waste drain and neutralization system for science labs.

The HVAC system included a 500 Ton Chiller, (4) 2000 MBH Hydronic Boilers, (8) Central Station Air Handling Units ranging from 2000 to 22,000 CFM and Energy Recovery Ventilators. Air is distributed by both Fan Powered and Single Duct VAV / Reheat terminal units. Automatic control is by a full DDC Energy Management System.