

Campbellsville Elementary School

Addition / Renovation

Owner: Campbellsville Independent Schools

Contact: Chris Kidwell

Phone: 270.465.4162

Email: chris.kidwell@cville.kyschools.us

Building Area: 64,000 s.f.

Construction Cost: \$7,875,219

Project Status: Completed 2017

Project Description:

Originally a middle school, this project identified a need to renovate into a new elementary school. Project includes a new kitchen/cafeteria, administrative suite, preschool suite & classroom additions, HVAC system, life safety upgrades.



Engineering Highlights:

N3D group was the Prime Design Professional on this project.

Electrical / Systems:

Original electrical system equipment was antiquated and could not be maintained or safely operated. A new electrical switchgear and secondary panels were designed to meet the new electrical demands. The existing electrical system had been added to and changed via band-aide approach for more than forty years. The new electrical system eliminated confusion and will give the facility a much cleaner riser of service for the future. New technology systems were designed to meet current technology and wireless communications.

HVAC:

The existing HVAC system had been added to and changed several times. Portions of the facility were still being cooled with window unit A/C. The air quality of the facility did not meet code requirements and produced maintenance issues for several years.

A new HVAC system was designed to replace all HVAC throughout the entire facility. We designed a two-pipe water-sourced console heat pump system with gas boilers and evaporative cooler combined with economizing make-up air units and DDC control system.

The new kitchen will receive a gas fired make-up air unit, dedicated to the type-2 kitchen exhaust hood system.