

Christian County Alternative School

HVAC Replacement

Owner: Christian County Board of Education
Contact: Brad Hawkins
Phone: 270.887.7000
Email: brad.hawkins@christian.kyschools.us
Building Area: 41,590 SF
Construction Cost: \$ 800,000
Project Status: Completed 2014

Project Description: This project included complete replacement of existing 41,590 SF school's HVAC system including ductwork, piping, controls and all equipment. Project also included ceiling and lighting system replacements. This project was an energy performance contract for Trane Corp.



Engineering Highlights:

HVAC:

Existing boiler and air cooled chiller, piping, and related equipment was replaced with rooftop units equipped with energy recovery wheels. All new computer based controls were installed that allow web access and 100% recording of the space's performance. Entire project was completed during summer break without any loss of instructional time.

Electrical:

Existing lighting was replaced with new LED lighting throughout the entire facility. New electrical service distribution panel was installed for the new systems and equipment. Power metering was added to allow very accurate recording of energy usage.