



CONSULTING ENGINEERING | PLANNING

Paintsville Ind. High School and Elementary School HVAC Renovation *Paintsville, KY*

Owner: Paintsville Independent Schools

Contact: Bryan Auxier, Superintendent

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Architect: Alt 32 Architects

Building Area:

Construction Estimate: \$ 2,488,600

Construction Cost: \$ 2,240,694

Cons MEP Cost: \$ 2,240,694

MEP Change Orders: \$ 970,393

Final Contract Amount: \$ 3,211,087

MEP Contractor: Elliott Cont., Pikeville, KY

Project Status: Under Warranty



Project Description: Elem – Replace existing unit ventilators with heat pump system. High School – Replace all rooftop units and heat pumps in school. Provided all new HVAC controls for new systems and integrated existing controls at elementary. During the project, as funds became available, a change order to add in replacement of the high school heat pumps was created and approved. This allowed the school district to have all new controls and HVAC equipment.

Mechanical:

Elementary School:

Replace all DX/Hot water unit ventilators in each classroom with two water source heat pumps. Heat pumps were staged as lead/lag/alternate to equalize wear of units. Rooftop unit was installed for second floor media center. A new DOAS unit was installed on roof of the older section of the elementary school and room neutral air was delivered to all areas that did not have any previous outside air.

A new roof mounted evaporative cooler was installed for the new loads. A new high efficient gas boiler was installed along with all new pumps with VFDs. All new controls were added to existing and new HVAC system components.

High School:

Replaced outdated boilers with new boilers and pumps. Replaced rooftop unit that served the gym. Replaced four existing makeup air units with new units. All rooftop units were replaced using new curbs to deck as we do not use curb adaptors in our design.