

## Goodpaster HVAC Replacement

*ACTC Main Campus – Ashland, KY*

Owner: Kentucky Finance Cabinet - DECA

User Agency: KCTCS

Contacts: David Marshall

Phone: 502.564.3155

Email: david.marshall@ky.gov

Building Area: 24,000 S.F.

Construction Cost: \$ 700,000

Project Status: Completed 2020



### Project Description:

Complete VAV replacement with controls including new mechanical room renovation with new pumps and chiller. Project had to be phased around continually used computer labs and office areas.

### Engineering Highlights:

#### HVAC:

Existing variable volume parallel fan boxes were replaced with new non-fan powered boxes with new coils and controls. Existing air handlers were completely renovated with new water valves, sensors, and controls. Existing primary duct was reused as well as air handler box and coils. All of which were cleaned by professional duct cleaning contractors.

Existing chilled water pumps and piping were removed and replaced with new vertical pumps and VFD controls. Existing interior split chiller was replaced with new exterior variable speed air cooled chiller.

All work was designed to allow one floor at a time to be renovated while the other two floors remained occupied.

#### Electrical:

For years this building had exhibited electrical problems in the main switchgear. Project included thermal scanning to detect loose bus connections that were fixed as a part of this project.