

BUSINESS & TECHNOLOGY BUILDING EASTERN KENTUCKY UNIVERSITY

RICHMOND, KENTUCKY

OWNER CONTACT: COMMONWEALTH OF KENTUCKY
MR. CARROLL MCGILL, DIVISION OF ENGINEERING

The new Business and Technology Building located on the campus of Eastern Kentucky University in Richmond, Kentucky was completed in the spring of 2006. This is a three story facility consisting of 86,277 square feet with mechanical and electrical systems costs of \$4,293,350.00.

The HVAC system for this facility is a constant volume hot water reheat system utilizing multiple air handlers, an exterior mounted air cooled chiller and a gas-fired hot water heating boiler. Also, incorporated into the HVAC design is an atrium smoke evacuation system and dedicated cooling systems for computer data equipment rooms.

The facility is protected by a wet pipe sprinkler system as well as a pre-action sprinkler systems for computer labs and total flooding clean agent fire protection systems for computer data equipment rooms.

The electrical systems for the facility included creative lighting designs, wireless data network infrastructure and LCD projector and sound system for each classroom. Classroom control systems consisted of dimmable lights, motorized projection screens and motorized window shades. Lowering devices were incorporated for pendant mounted lighting in the atrium area. Emergency power is provided by an exterior mounted fuel-oil fired generator connected to an above ground mounted fuel-oil storage tank.



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