

KENTUCKY STATE UNIVERSITY WILLIAM EXUM CENTER HEALTH, PHYSICAL EDUCATION & RECREATION

FRANKFORT, KENTUCKY

OWNER CONTACT: COMMONWEALTH OF KENTUCKY DIVISION OF ENGINEERING

The construction on this new 122,800 square foot two story facility began in September 1992 and was completed in March 1994.

The HVAC system for this facility incorporated the campus steam and chilled water distribution system by means of a new underground utility tunnel connected to the campus physical plant. Campus steam was converted to hot water by means of a shell and tube heat exchanger. Campus chilled water serves the building through a plate and frame heat exchanger. Hot and chilled water is distributed throughout the building to air handlers, unit ventilators and fan coil units via a four pipe system to allow for simultaneous heating and cooling.

The electrical systems include step down transformers, exterior lighting and power as required for building equipment. Emergency power is provided by a diesel fired generator. Communication systems include a fire alarm system connected to the area wide campus system and a paging system installed throughout the facility with local sound systems for the pool and basketball/convocation area. The building also incorporates a raceway system to allow fiber optics installation to specific locations.



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