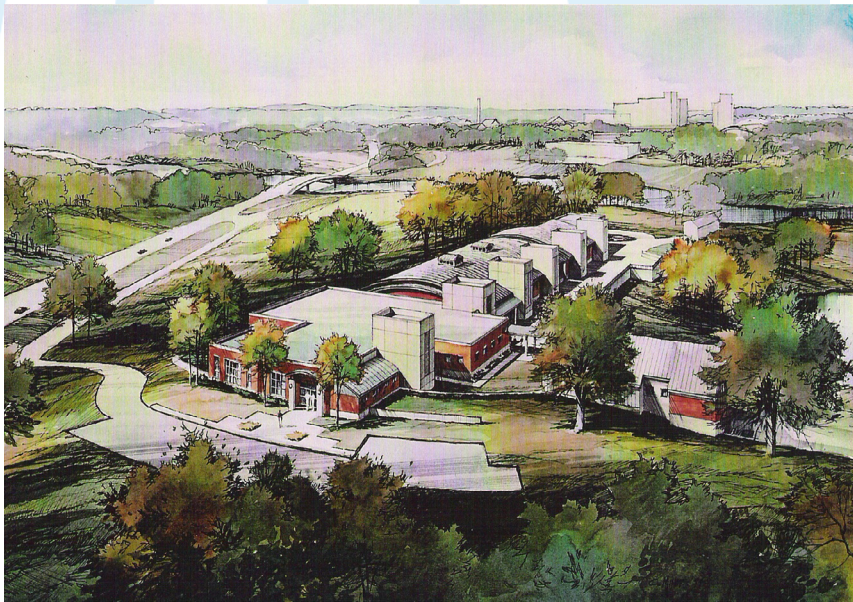


# JOE JOHNSON ANIMAL RESEARCH & TEACHING UNIT

THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE, KNOXVILLE



Rendering of Entire Facility

Bow truss metal roofs and siding and concrete “silos” housing the mechanical equipment were design elements selected to reflect the agricultural and industrial functions of the facility.



Main Entry Building



Office

**AWAM** was half of a joint venture that designed a new Biotechnology Research Facility for the Institute of Agriculture. The project was awarded an Honorable Mention by the AIA East Tennessee in 1999. The new facility is a state-of-the-art research and teaching laboratory. The complex is designed as a cluster of farm buildings in an open agrarian setting among several mature poplar trees. Bow truss metal roofs and siding and concrete “silos” housing the mechanical equipment were design elements selected to reflect the agricultural and industrial functions of the facility. The 59,340 sf facility was completed in 1998 for a total construction cost of \$8,873,739, or \$150/sf.

The main entry building is separate from the feed mill operation, loading and unloading of animals, and service and employee parking. Small and large animal surgery suites, necropsy, cell and tissue labs, x-ray, classrooms and administration are housed in the entry building. Large animal research, environmental and metabolism labs, along with poultry and fisheries research facilities are contained under the long bow truss roof. Concrete mechanical silos are located along one side of the entire structure to serve the large demand for both controlled and fresh air.

The vertical processing feed mill operation is housed in a separate two story facility within a large metal siding clad silo, and also contains a shop and storage facility for the entire complex.



Small Animal Surgery Suite



Main Entry Building and Feed Mill



Feed Mill and Large Animal Facilities



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