

UNIVERSITY OF GEORGIA – Athens, Georgia

COMPUTATIONAL QUANTUM CHEMISTRY ANNEX

SCOPE Mechanical systems design and construction phase services for 19,000 sq. ft, two-story building for computer workrooms and servers for the faculty and student's access.



Owner

University of Georgia

Mechanical Contractor

Martin Mechanical

Prime Consultant

Lord, Aeck & Sargent

Construction Cost

\$3,120,000

SPECIAL CIRCUMSTANCES

- Building was elevated to avoid the rework of a number of existing site utilities. The elevated building also maintained one of the main walkways to the football stadium.
- 60-ton, variable volume air handling unit with frequency drive supplying terminal units with a constant 55°F air temperature.
- 33 powered induction terminal units with hot water reheat were used to maintain temperature settings.
- The existing campus steam loop was tapped and brought into the building. A steam-to-hot water converter supplied hot water to the building. Steam condensate pumps were sized to return condensate to the central steam plant across campus.
- Addition of a new fire pump for the new Chemistry Annex and the existing adjacent Chemistry Building was required for code compliance.
- The existing campus chilled-water loop was utilized to provide cooling to the building. Special care was needed tapping the existing underground concrete/asbestos pipe.

