

GEORGIA STATE UNIVERSITY – Atlanta, Georgia

WEST CAMPUS CHILLER AND COOLING TOWERS

SCOPE Mechanical systems design and construction phase services for installation of a 750-ton centrifugal chiller and two roof-mounted cooling towers as part of a multi-phase Master Plan for the build-out of a Chilled Water Central Plant to include four centrifugal chillers.



Client
Georgia State University

Mechanical Contractor
Schadsons

Prime Consultant
Johnson, Spellman & Associates

Construction Cost
\$1,143,000 (total)
\$769,000 (mechanical)

SPECIAL CIRCUMSTANCES

- Coordinate requirements on drawings and in specifications, including Special Conditions, for installation of equipment in an under-street level mechanical room with limited access, means of transporting equipment to the room and an undersized room opening.
- Limited space on the roof for placement of new cooling towers to accommodate required service clearances and clearances to roof perimeter.
- Revisions to the Sequences of Control and coordinated piping design to accommodate simultaneous Waterside Economizer Operation and Normal Chiller Operation with set of control valves at the cooling towers to segregate condenser water flow through dual condenser water piping systems.



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