

Albany International Airport New Terminal Building and Main Concourse Albany, New York

Owner: Albany County Airport Authority

Total Construction Cost: \$67,000,000.00

Professional services for Mechanical, Electrical and Plumbing design for numerous Airport related projects as broken down into interim, present and future design phases.

The work associated with the interim projects include renovation/relocation of existing equipment and systems and the construction of a temporary concourse, the purpose of which was to maintain full airport operations during the construction of the new Terminal and Concourse.

Additional work included design of associated demolition work; modifications to existing boilers for conversion from fuel oil to natural gas fuel and for re-design of existing boiler systems in various portions of the existing facility. Final design includes design of an emergency power system with totally automatic controls to supply backup power in the event of Utility Company power failure.

The design of the new Terminal and Concourse consisted of the HVAC and Electrical systems design and the HVAC, electrical and plumbing systems design for the renovation of the existing terminal. Future design work included allowances within the air, piping, and electrical distribution systems for future loads. The major equipment included two 500 ton chillers at 860 gpm, two 12555 MBH dual fuel boilers at 670 gpm, an additional boiler shall be provided at 3.0 million enplanement. Primary hot water pumping at 670 gpm, secondary pumping ranged in capacities from 450-650 gpm for VAV Reheat, fin radiation, air curtains, etc.

One fundamental component to all design work performed for the Albany County Airport was compliance with all Local, State, Federal and Life Safety Codes. In addition to maintaining compliance with Mechanical, Electrical and Plumbing Engineered Systems, Plumb Engineering, P.C. worked closely with the Albany County Code Official to maintain architectural compliance with all governing codes.



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