

American Airlines Terminal Relocation – Bradley International Airport Windsor Locks, CT.

Project Description:

Location

Windsor Locks, CT

Owner

Westover Air Reserve Base

Duration

2009

Prime/Sub

Sub to Corgan Associates,
Architects, PC

Construction Cost

\$325,000 MEP

AI Engineers, Inc. was retained by the American Airlines Architect, Corgan Associates, to provide mechanical, electrical, plumbing and fire protection design and contract administration services for the relocation of the existing AA facility from the existing old terminal B location to new facilities in Terminal A.

The new facility includes new offices, data room and ticket operations at 2nd floor terminal area behind a new ticket counter. This involved building out a vacant space behind the counter lineup created by the removal of the original Terminal A ground-concourse stair. The MEP design required coordination with systems were designed in 1989, modified in the early 1990's and modified further as a result of airline relocations along the ticket counter line. A new baggage claim office was designed for the baggage claim area on the lower level.

In addition, designs of new operations offices, training rooms, break rooms, lockers and shower facilities at the ramp (ground floor) level and connections to three new gates at the 2nd level were developed. This new area was created by combining two adjoining spaces separated by a masonry fire wall. Both spaces were built as part of the original Terminal construction in the late 1980's and had not been updated or modified since that time. This required researching the original record drawings in the CDOT archives to coordinate the existing systems with the new requirements.

The design was coordinated with the client's communications consultant/ IT group and the airport to create a complete data network using the airport data backbone and closets.



Salient Features

- Site Investigations
- Archive research at DOT Newington.
- Coordination of existing condition changes
- Coordinate new mechanical with original systems
- New isolated ground electrical systems
- New below grade plumbing at ramp level
- New data backbone connecting all AA spaces