



PROJECT PROFILE

Northeast Air Portland International Jetport Portland, Maine



Project:

Northeast Air Terminal

Architects:

Grant-Hays Architects

Use:

Executive Terminal
and Hangar Facility

Cost:

\$1.6 Million

Services:

Design and Construction

Completion Date:

March, 1997

In 1996, with the expansion of jet service to and from Maine, Northeast Air determined that it required additional hangar and terminal space at the Portland International Jetport.

Overview

The new facility incorporates a 19,200 square foot hangar with a 92-foot wide by 28 foot high, sliding aircraft door in the main portion of the building. Attached to the hangar is a two story terminal building designed with 2,925 square feet per floor. Northeast Air's executive terminal is housed on the first floor with F.A.A. offices on the second floor. At

the far side of the main hangar, a 5,200 square foot Ground Support Equipment (G.S.E.) Maintenance Garage was added.

The Executive Terminal is distinguished by its sloping architectural roof with a masonry wainscot.



Challenges

During the site excavation it was discovered that the footprint of the new building would be sitting on an abandoned fuel dump, which had been created from decades of jet fuel spills at the airport. Working with the state's D.E.P. engineers, Sheridan removed the contaminated soils as well as relocated some of the material on the premises in the form of grassed berms.

Using a Sheridan engineered structural steel layout, 120-foot wide clear span frames were used for the hangar in order to accommodate the access and egress of large jet aircraft.

A total of five hydraulic cranes and three 60' boom lifts were used during the erection of the steel frame. The extensive use of equipment for erecting the large clear spans helped to ensure the safety of Sheridan's crews while working 35 feet above the ground.



Sheridan

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