



CALGARY INTERNATIONAL AIRPORT CASE STUDY

FAST TRACK CONSTRUCTION CALGARY INTERNATIONAL AIRPORT

Calgary International Airport has experienced some significant growing pains over the last decade. Unfortunately, construction budgets have not always kept pace with increasing passenger volumes, forcing the airport to look toward temporary solutions to meet a growing demand. One such solution, a temporary gate facility built to deal with the onslaught of passenger traffic, was beginning to deteriorate, leaving the airport in need of fast yet reliable solution.



Calgary began the search for another “temporary” solution for Concourse A, Gates 1-10; but the words “airport” and “temporary” don’t easily meld. Structurally speaking, airports must meet high standards in terms of durability, acoustic protection, fire safety, and, of course, occupant comfort.

ATCO Structures & Logistics (ASL), an international company specializing in modular structures and noise control solutions for a variety of applications from military to power generation, was called upon to design and deliver a replacement structure for Gates 1-10. Although experienced in airport construction, conventional construction methods challenged ASL in ways that threatened the airport’s timeline for the project. They turned to SEMCO for help.

ASL commissioned FläktGroup® SEMCO™ to supply 57,000 sq. ft. of their IN-PANL solutions industrial tongue-

and-groove panels with which they would build the new passenger area and walkway for Gates 1-10. The 6” thick non-combustible panels met stringent structural, acoustic, and thermal requirements as well as satisfying applicable building codes. Equally important, they had to be delivered in time for ASL to complete the first phase of the project in 3 months and the second phase just 2 months later.

The panels and trim, complete with factory applied and architecturally textured powder coat finish were shipped to the jobsite in carefully planned 4-day intervals to keep construction on track without material building up.

Working closely with SEMCO’s design team, ASL was able to deliver a finished structure to the Calgary airport almost as quickly as the panels arrived. This enabled ASL to save significantly on labor, said Colin Martin, ASL Project Manager.

**“IF YOU HAVE A
TIGHT TIMELINE,
THIS IS A REALLY
GREAT OPTION.”**

- COLIN MARTIN
ASL PROJECT MANAGER



FläktGroup SEMCO IN-PANL solutions combine the best of acoustic, thermal, and structural performance for endless noise abatement applications. Utilizing roll-forming manufacturing, SEMCO's tongue-and-groove panels are available in 2" through 6" thickness with panel spans up to 16' in length. Manufactured from galvanized, stainless, or aluminum with a variety of acoustic fill, SEMCO also offers durable powder coat finishes, DecoCoat PC™, from an array of standard to custom matched colors to meet specific project needs.



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