



## THUNDER BAY AIRPORT TERMINAL THUNDER BAY, ON

**P**ublic Works Canada (PWC) monitored the energy consumption. The new building was three times the size of the former airport terminal, yet amazingly enough, and even more so with curtain wall instead of solid walls, the new terminal consumed the same amount of energy as the old one."



"We were looking for the most high-performance fenestration system we could get because at that time, Ontario Hydro had a rebate program. The Overall U-Value specified was 0.15 W/m<sup>2</sup>. That's why Super Spacer® was in there—as another way of improving thermal performance. In fact, it's interesting to note that this was Kawneer's first triple-pane curtain wall system, which they went on to name their 7500 Series."

Gerry White of PWC says, "It certainly is a very energy efficient building and had to be to meet Ontario Hydro strict rebate criteria. Thermal scans were done up and down the building looking for hot spots, and they came out quite good. There was a lot of effort put into the specifications and design of that building."

## TECHNICAL DETAILS OF THE PROJECT



### THE CLIENT

Thunder Bay Airport Terminal

### THE PROJECT

Constructed 1993-1994  
Building Size: 96,875 sq.ft.

### CONSTRUCTION

Windows: Kawneer Canada - Lethbridge, Alberta  
Frames: thermally-broken curtain wall  
IG: AFGD Winnipeg  
triple pane, double Low-e with argon  
U-channel Super-U™ spacer

### ARCHITECT

Al Coppinger  
Smith Carter Architects - Winnipeg, Manitoba

### CONTACT

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