Part of the concept was that this would be a high performance building," says lead architect Derek Kindrachuk. "We have done other such energy efficient buildings and have found Super Spacer® and thermally broken aluminum frames to be very valuable contributors towards the thermal performance of the building envelope. Really, that was the driving factor."

"Basically, when we're looking at a high performance glazing system, all the pieces have to match," says project architect Reg Squires. "With Kawneer, they have their Iso-Web technology, which provides increased thermal resistance, but of course, you short-circuit it all if you put in a metal or lower performing spacer around the edge of the insulating glass."

"It's just a case of keeping in tune with the other high performance elements so that the spacer won't be the weak link in the overall system."
TECHNICAL DETAILS OF THE PROJECT

THE CLIENT
John G. Diefenbaker International Airport

THE PROJECT
Refurbished 2001-2002
Building Size: 139,000 sq.ft.

CONSTRUCTION
Windows: Clearlite Glass Ltd. - Saskatoon, Saskatchewan
Frames: Thermally-broken aluminum
Kawneer 7525 High Performance Curtain Wall
IG: AFGD Saskatoon
6mm Clear heat strengthened with Argon Gas
1/2” Super Spacer®, 6mm Comfort TiR low-e (3)

ARCHITECT
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