



FOUR POINTS SHERATON HOTEL WINNIPEG, MB

It is our general policy to avoid metal in our choice of insulating glass," says architect Steve Cohlmeier, "and specify a spacer that doesn't transmit cold, facilitate condensation or especially in this case, reverberate sound."

"Airports are full of long wavelength sound. This kind of sound will cause a window to act like a drum head. Lamination is the biggest deterrent, but if you have a window perimeter that makes hard contact with the vibrating material, you can actually get transmission to the inner pane of glass and the building structure itself."

These windows have a tested Sound Transmission Control rating of 45. Such a high level of soundproofing will result in a similarly high thermal rating, so no specification was issued.

Acoustical performance is exemplary, though. "It's the truth," says hotel manager John Pisker. "It's unbelievable. We get a continual stream of comments from guests. They cannot believe how quiet it is to stay in a hotel that is right beside the airport."



TECHNICAL DETAILS OF THE PROJECT



THE CLIENT

Four Points Sheraton

THE PROJECT

Constructed 1999
Building Size: 66,000 sq.ft.

CONSTRUCTION

Windows: Heritage Aluminum & Glass Products -
Winnipeg
Frames: Thermally-broken aluminum
IG: Northwest Glass, Winnipeg
dual laminated panes plus Super Spacer®

ARCHITECT

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