

# Air Canada Super Diamond Business Class

The problems Air Canada needed to solve were true space and privacy issues from their legacy seats.

Prior seats were positioned in an outward facing herringbone pattern, meaning all seats at the left and right sides of the plane faced inward towards the aisle; middles rows faced outward towards the aisles. First row patrons were treated with a view of the fore galley. This defeated the general remit of all business class offerings of privacy.

Also missing were assorted living space features, such as where does one put their computers whilst taking a meal on the tray table, or stowage for carry on luggage that doesn't go into overhead bins. There was very little horizontal surfaces to place small items like glasses or phones.

Original design with aisle facing seats and lower shell lines,created undesirable all around visibility.

As seen from the original design depicted here, line of sight privacy issues have been resolved.

Flat surfaces have been introduced to create effective working spaces.

Changing seat orientation to face front or inwards, with a higher shell, dramatically increased privacy.



Space studies yielded a higher volume of stowage in comparison the prior business class seat.

## Our Solution

Starting from the top, privacy was recaptured with a reverse herringbone pattern. Middle row tandem seats now face inward away from the aisles. Outboard (left and right side) seats face outward towards the cabin windows. Walls are strategically placed for increased privacy during sleep without the feeling of being boxed in.

A collateral benefit from this was the ability to build footwell space into and underneath the seat in front. A stacked solution, so to speak that decreases the overall footprint within the cabin's entire floorplan. Basically, more seats, yet more space in the same cabin.

Stowage was also increased. Aisle facing armrests are height adjustable with a hidden compartment. There is also a covered compartment for small flat items, in addition to copious amounts of flat space, as well as a dedicated and utilitarian literature rack.

The tray table always stays horizontal. When leaving the suite, it slides forward and up so smaller items can stay on the table without being stowed.

The entire pod mounts to rails directly to the cabin floor, belaying any step up issues that would cause tripping.

