



**Shoulder Seasons/
Summer Mode:** air is drawn naturally in through large operable windows

South Gusting Winds abundant in Winnipeg, direct air into south wintergardens

Wintergarden
6-storey tall atria act as the building's lungs, drawing fresh air in and preconditioning it before it enters the workspace.

Winter Mode
air is drawn in through outer mechanical units and heated by geothermal field

Inner Heating and Cooling Units
further condition air as it passes into the raised floor distribution plenum

Waterfall
24 metre high water feature either humidifies or dehumidifies air as it enters the building

Parkade
limited to 200 spots to encourage employees to take public transit, and use parking spaces in city

Solar Chimney
115 metre high solar chimney uses stack effect

**Shoulder Seasons/
Summer Mode**
draws used air up and exhausts it out of the building

Exposed Ceiling Mass
uses radiant heating and cooling; warm air rises and is drawn into north atria via natural pressure differences

100% Fresh Air, 24/7
in all office spaces is drawn through the raised access floor

Winter Mode
chimney closes, fans drawn warm exhaust air down, and recirculate it to warm the parkade. Heat exchangers re-capture heat and return it to south wintergardens to preheat incoming air

Geothermal System
280 boreholes, 125 metres deep draw excess heat or cold stored within the soil to condition the building.