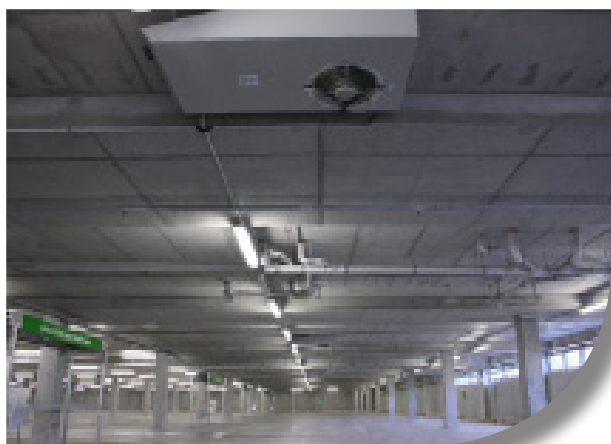


## 652 Great South Road, Manukau, Auckland

### Scope of Work

The old Van den Brink Chicken Farm in Manukau is now converted into a new development of a four-storey office block and a retail complex including a Countdown supermarket and underground carpark.

McAlpine Hussmann was engaged to supply and install the HVAC services for the base building and the tenancy fit-outs.



### Engineering Features

- A centralised variable refrigerant volume (VRV) heat recovery (simultaneous heating and cooling) type air conditioning system for the office block - total installed capacity 275kW cooling; 307kW heating.
- Incorporates a fully integrated control system with energy monitoring features.
- The carpark ventilation system consists of ductless Jevent fans. A total of 11 fans are installed in strategic locations based on a computerised fluid dynamics (CFD) analysis.

### Statistics

VRV System: 275kW  
Package DX System: 280kW