

The Mirage Apartments, The Strand, Parnell

Scope of Work

The Mirage apartments are part of the reconstruction of The Strand in Parnell. These luxury apartments offer waterfront views, and access to on-site swimming pools, recreation areas and a gymnasium.

McAlpine Hussmann's part in Ebert construction's \$9.5m building project included:

- Design, development of concept and coordination of HVAC services.
- Installation of air conditioning and ventilation to a nine-story building with 8 apartments on each floor
- Installation of ventilation to two floors of car parking.



Engineering Features

- An FA central chilled water system provides air conditioning via individual fan coil units to each apartment.
- The water cooled chiller plant is located in the Basement plant room and a remote cooling tower is located in the open air carpark.
- A heat exchanger is also installed in tandem to utilise waste heat from the chiller to heat the open air lagoon pool.
- Basement carpart ventilation and other sundry ventilation, e.g, a centralised toilet ventilation system was also included.

Project Highlights

We worked as a design and build contractor, involved in understanding the customer brief, developing the design concept and finalising detailed design before moving into the supply, installation and commissioning of the complete mechanical services.

Some of the key engineering features included waste heat recovery, optimization of plant sizing and other energy saving features.