

GHD Centre, 27 Napier Street, Auckland

Scope of Work

GHD Centre is a four level office building with two levels of basement parking on the corner of Napier Street and Napier Lane.

There are 226 carpark spaces and approx 8,000 m² of office space. The building is located in a predominantly residential locality very close to the central city and the rear boundary of the site adjoins the southern motorway beside the entrance to the Victoria Park Tunnel. Special consideration was given to the motorway and the neighbouring residential buildings in terms of the overall acoustic performance of the building.

A cafe is located on the ground floor level adjacent to the main entry foyer. The entry features a 3 level open atrium with a suspended walk bridge to the upper level.

The building is rated 4 Greenstar for office design and has achieved 4 Greenstar for build.

The building was completed in early 2012. GHD occupy the top two floors and Lion Breweries have the ground floor and first floor.



Project Highlights

Project start: July 2011
Project Finish: March 2012 (base build)
Value: \$1.9 million



Engineering Features

- A centralised chilled water fan coil based system with a Trane supplied 700 kW screw chiller and variable speed pumping system.
- A centralised Air Handling Unit (AHU) supplies fresh air to the floors with a network of riser and floor distribution ductwork.
- Trane supplied in-ceiling fan coil units with chilled water cooling coil and electric reheat are used to condition the office space.
- Approximately one fan coil unit is used to serve a floor space of 75m² - with a total of 106 fan coil units throughout the building, each with its own digital controller.
- Air is distributed via high efficiency swirl type diffusers.
- The carpark is ventilated in a “push-pull” method by way of a set of supply air and extract air fans located on opposite sides of the buildings and suitable reticulated with ducting and air distribution grilles.