

Project Role: Structural Engineering

Construction Cost: \$20M

Client: Somerset Cleveland Pty Ltd



Project Description:

The low rise development is a mixed use of Retail, Commercial and Residential. The gross floor area for the Retail/Commercial component is 1200m². The Residential component of the development consists of 75 apartments with a mixture of 2 and 3 bedrooms units. At the rear of the site a five level block provides for the majority of the residential accommodation. At the front of the site a four level block contains the retail / commercial tenancies and some of the more upmarket residential product. A single level basement provides for parking, storage and servicing requirements.

Yeats Consulting Involvement:

Yeats Consulting was commissioned to undertake the concept design, design development, tender and contract documentation and the construction phases of the project.

Project Summary:

Utilising reinforced concrete masonry walls supporting conventionally reinforced concrete slabs ensured an economic solution.

A post tensioned podium slab was used to minimise the structural zone required to transfer the residential load bearing grid to the carpark column grid.

A light weight structural steel roof was used to reduce the loading and maintain the architect's aspirations of form and shape.