

Harvey Norman/IKEA Homemaker Centre



Location

Melbourne, Australia

Project Value

AUD\$200.0 Million

Responsibilities

Structural Engineering Services

Project Scope

Cardno Grogan Richards has provided structural engineering services to the Harvey Norman/IKEA Homemaker Centre joint venture project valued in excess of \$200 million.

The 82,000 sqm site on the corner of Princes Highway and Westall Road in Springvale comprises over 140,000 sqm of retail space over 2 levels, 2,700 car spaces on 2 levels. The IKEA floor plan alone is 32,000 sqm and further space for up to 15 other independent retailers is provided within the retail space.

Overall, the new complex will become the largest homemaker centre in Australia.

The IKEA furniture and bedding store is to be built alongside Harvey Norman and is set to become the company's largest store in the southern hemisphere.

Cardno Grogan Richards provided the expertise in structural design and documentation in conjunction with Leffler Simes Architect's office.

Structural Design Features:-

- Precast driven piled foundation to accommodate poor site conditions and

earthquake loads

- 10,000 sqm of complex elevated roadway and loading docks for cars and heavy commercial vehicles
- Specific design criteria to suit individual tenancy requirements for Harvey Norman/IKEA retail levels
- Complex design for main feature of the building, "Kiosk-Arcade" main mall to the complex comprising of 5,600 sqm of open space over 2 levels
- Feature steel and precast concrete facades and awnings to all street frontages of the building
- Innovative large span post tensioned floor system designed to accommodate IKEA's retail and warehouse requirements

Location: Springvale

Client

Harvey Norman & IKEA Victoria