

## Highpoint Shopping Centre



### Location

Maribyrnong, Victoria, Australia

### Client

Highpoint Property Group

### Project Value

AUD\$50.0 Million

### Office Responsible

Cardno Grogan Richards

### Responsibilities

Structural, Civil & Traffic

### Project Scope

Completed in October 2005, the southern expansion to the Highpoint Shopping Centre added four new precincts, including 60 new specialty shops over two levels, a new food court and a large, landscaped plaza.

Including additional suspended car parking, two large outdoor shopping streets and showroom retailing, the development increased the centre's total leasable area from 112,500 sqm to 127,500 sqm.

Significant structural challenges included the extension of the existing level two mall below the existing level three mall and the construction of a 33 metre diameter glazed dome, above the new level three food court.

Excavation and construction work for the level two extension required the replacement of existing bored pier foundations with new columns and footings, whilst trade on the level three food court and mall was maintained.

The new food court dome consisted of a

steel ring truss, supported on eight perimeter steel columns. The surrounding new roof structures were seamlessly integrated into the existing adjacent roofs.

The new south east car park deck was constructed of post tensioned concrete slabs and band beams on concrete columns and bored piers, founded into rock. The upper level of the car park connects to the new level three structure with a post tensioned concrete pedestrian bridge.

### Contact

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