

ROYAL MELBOURNE HOSPITAL REDEVELOPMENT

BONACCI

Stage 1A: Private Medical Centre and Private Hospital – A ten-level building including a single basement. Ground floor and levels one to four accommodate radiology, pathology, pharmacy, laboratories, consulting suites and public facilities. Levels five to eight comprise a private hospital, with operating suites and wards.

Location:
Melbourne, Victoria

Stage 1B: Combined Services and Operating Theatre Block – This is a six-level building, including a basement. An innovative structural floor system was developed for this project, comprising reinforced concrete band beams supporting one-way ribbed slabs formed by metal-tray formwork. This building also incorporates provision to construct three additional levels in the future. Departments accommodated in the building include Emergency, Medical Imaging, Cardiology, Coronary Care Unit, Operating Theatres, Associated Teaching Facilities, Staff Amenities and TSSU.



Stage 2A – Creation of a new atrium between existing buildings, accommodating predominantly public spaces and staff amenity facilities.

Bone Marrow Research Centre and Donor Registry – This project involved the addition of two new levels to an existing two-level building. The limitations of the existing structure made it essential to minimise the dead load of the new structure. A structural steel frame was consequently used, with floor slabs on metal-tray formwork and metal-deck roof. The building houses the Bone Marrow Donor Registry, Tissue Typing and Research Laboratories.

Carpark – Three levels of underground carparking (1,000 cars) beneath an existing football oval, occupying an area approximately 110 metres by 80 metres. The facility includes three new link tunnels under roadways, to existing hospital buildings.

Civil Works – An extensive programme of civil engineering works has been carried out at the Royal Melbourne Hospital, including an audit of existing stormwater systems; provision of new underground stormwater and sub-soil drainage to serve new buildings; design of new pavements and alterations to existing pavements, surface grading of exterior pavements and landscaping to direct stormwater to the underground system.