



CELLSTRUCT
BUILDING GROUP

NEW WAREHOUSE AND HARDSTAND PAVEMENT WORKS – RW&C

Telephone 03 9585 2722

Email info@cellstruct.com.au

www.cellstruct.com.au



CLIENT NAME:	RICHMOND WHEEL AND CASTORS P/L
PROJECT TYPE:	INDUSTRIAL PROJECT WITH COMPUTER CONTROLLED FORK SELECTION IN HIGH BAY RACKING.
PROJECT SIZE:	1000SQM OF PRECAST WAREHOUSE AND 2000SQM OF HARDSTAND CONCRETE.
PROJECT COST:	1.2MIL
PROJECT SCHEDULE:	APRIL 2012 - APRIL 2013

Richmond Wheel & Castors needed to improve their warehousing facility to cater for their expanding business. CBG turned vacant land at the rear of the existing manufacturing and warehousing facility into new warehouse and hardstand concrete despatch and loading areas

The project included;-

- reinforced concrete slab to high level specification for flat floor level so as to operate the wire guided fork selection system
- precast panel wall system
- clear span steel roof structure supported on external wall panels
- introduction of roof skylights to nominated areas set to the racking layout. Placement of the skylight sheets changed the introduced roof light area from 10% to 20%.
- Fire separation with rated roller shutters and fusible link controls and sprinkler drenchers onto the door curtains.

CBG provided their construction flexibility and their in house Engineering knowledge to get over construction problems that included poor ground conditions, wet weather that caused site inundation and adjustments to include mobility access and amenity issues that were not available in the original buildings. Engineering resolve included suspending the warehouse floor slab on screw piles so as to achieve a stable floor system that would achieve "flat floor" criteria for the operation of the wire guided fork selection system with no concrete cracking. Cathodic protection was provided to the steel shafts on the screw piles.

A key requirement in the project was to keep RWC in operation while the facility was completed.



ACHIEVING MORE

