



Case Study | Canterbury University Engineering Library





Canterbury University Engineering Library

Project Outline

Client:

University of Canterbury

Project Name:

Engineering & Physical Science Library

Architect/ Project Manager:

Courtney Architects Limited

Main Contractor:

The Fletcher Construction Company Limited

Distributor:

Cemac Commercial Interiors

Project Statistics:

Value

\$165,000 plus GST

Duration

19th January 2010 to 12th April 2010
(12 weeks including procurement of overseas components)

Project Description

This project entailed the supply and installation of 362 x bays of electronic, computer controlled mobile shelving giving the University 1990 lineal metres of storage capacity in 3 individual units.

We were given the opportunity to tender the project in December 2009 and submitted a proposal based on our standard mechanically assisted mobile shelving system 'Compactus Maxi'.

The client also asked us to submit a tender based on an electronically operated mobile system from which we were able to do using a USA based system, Eclipse, from Spacesaver Corporation. The design and costing of Eclipse was co-ordinated via our Dexion Commercial colleagues in Australia.





New Zealand Police | Tough products for a tough customer

Project Description continued...

Upon acceptance of our proposal and final design, we were able to raise purchase orders for the required components.

The mobile shelving tracks, fixed bases, mobile carriages, electronic control gear, and decorative end panels were ordered from Spacesaver Corporation and were despatched via sea freight in a full 40 foot container. The tracks (and associated fixings) were despatched 2 weeks earlier to allow installation to be completed before the main product arrival. Certain product specific components, such as power transformers, fixing brackets and specialist fixings were ordered from Dexion Office in Australia and air freighted to New Zealand. All shelving components were manufactured in our Wingate plant and were shipped to Christchurch using our contracted freight contractor.

Installation was staged to coincide with the arrival of components from the USA.

The installation of tracks commenced on the 18th March 2010 and took 1 ½ weeks to complete. This was a critical part of the project as all tracks needed to be perfectly spaced and levelled then packed underneath using a specially formulated grout which supports the full length of the track from vertical forces. During this time we also installed an infill floor system between the tracks to provide easy access into the system with trolleys etc and eliminate any trip hazards associated with a floor track system. The infill flooring ramped up into each system from the aisles finishing level with the top of the tracks, and were carpeted to match the rest of the space.

Installation of the carriages and shelving systems commenced on 30th March 2010 and were completed, ready for the customer to start loading shelves on Monday 12th April 2010. This included joining and placing all base units, assembling and installing storage shelving to the bases,

attaching all dress end panels, installing all electronic componentry and safety systems, programming, testing and instructional sessions with staff.

The finished result provides a robust system that silently and simply maximises space without unnecessary noise or impeding access for library users.

A symphony to watch and poetry in motion.

