



Brightwater
ENGINEERING

PROJECT REPORT

Access & Walkway Project

Delegats Wine Estate, Marlborough, New Zealand
2005



Diamond walkways across storage tanks



The Situation

In early 2005 Delegats Wine Estate commenced construction of a new South Island wine processing facility near Renwick in the heart of the Marlborough grape growing region.

The 20,000 tonne per annum winery was staged over 3 years with the last stage due for completion in March 2008. In all aspects of construction Delegats demand the highest level of quality and visual appearance be maintained.

Delegats wine estate needed a network of platforms and elevated walkways to access vessels and processing equipment. They also required a range of smaller stainless steel fabrications for their processing room and production areas plus a number of carbon steel pipe racks.

All fabrications required installation by a site based construction team.

The Solution

The Brightwater workshop in Nelson coordinated with the Delegats design team to provide a fabrication methodology and finished product that would meet the high standards required.

The majority of walkways and platforms being constructed from T304 2mm stainless steel and supported on diagonally braced carbon steel trusses.

The hygiene and visual requirements meant all welds needed to be of the highest standard. A dedicated stainless work area was set up at Brightwater and a special team assembled for these fabrications. The carbon steel work was done in Brightwater's main workshop, and high specification coatings were applied. The completed components were assembled in modules in Brightwater's yard and loaded on transporters for delivery to Renwick.

Containerised temporary workshop facilities were set up on site where Brightwater's construction crew installed the completed modules and components. Brightwater also provided fitting, commissioning and supervisory staff as required.

Key Features

- Stainless steel materials, laser cut for accuracy and finish.
- Galvanised grating panels, unique to this project and feature aligned cross bars.
- T304 38mm handrails, mandrel bent for quality appearance.
- ISO 9001 – Quality system.



Looking down from upper de-stemmer platform



Looking from upper de-stemmer platform to receival office



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