

Project Profile

Project: Winery Extension - Grove Mill Wines
Location: Blenheim
Client: Grove Mill Winery
Consultant: Apollo Projects
Project type: Design / Build

Man hours:	1900
Duration:	3 months
Completion Date:	30/01/03
Approximate Value:	\$240,000 +

Description of Site

The project is an extension to the existing winery which adds approximately 1,000 tons of processing capacity, the winery is situated in the Waihopai Valley, Marlborough. The new building is constructed from poly panel and will house up to 57 wine tanks ranging in size from 12,000 to 80,000 litres.

Description of Project

Our brief was to design and install the lighting, power, fire alarms, security, plant room controls and for a integrated control system for the new winery. Our design was completed prior to the installation starting and included details on lighting fittings, switchboards, cable schedules and documentation for final testing. The electrical installation included 51 light fittings, 39 power points and the a number of plant items including the connection of a new 130 kW chiller. Most of these fittings were installed in the winery wash down areas requiring a high standard of installation.

The installation required the controls for the plant room equipment and the wine tank temperature control to be controlled from a central PLC. A visual display of the plant room equipment and the wine tanks is provided by a 10" colour touch screen located in the wine tank hall.

The PLC controls the starting & stopping of all the plant room motors and controls the temperature for the main chiller plant, hot water, chilled brine and wine tanks.

Our contract included the disconnection of the existing 200kVA high voltage transformer and the installation of a new 750kVA transformer in a new location outside the new plant room. We also arranged for the installation of the a fire alarm system, phone and security system..

All software, electrical and control design was carried out in house by our engineering department.

