



## McWilliam Family 'Plants' Steel Again

31 March 2008

<b>Location:</b>	Hanwood, New South Wales
<b>Country:</b>	Australia
<b>Architect:</b>	C4 Architects Pty Ltd
<b>Engineer:</b>	FMG Consulting Pty Ltd
<b>Project Team:</b>	Linney Engineering Services Pty Ltd
<b>Framing &amp; Cladding:</b>	Buildflex Pty Ltd - Framing P & L Bellato - Cladding
<b>Products Used:</b>	LYSAGHT SPANDEK® LYSAGHT CUSTOM ORB®



The new McWilliam's Wines administration and laboratory building is a skillion roofed single level structure clad in LYSAGHT CUSTOM ORB® and LYSAGHT SPANDEK® profiles made from ZINCALUME® steel.

When winemaker John McWilliam arrived at Hanwood in the Riverina region in 1913 he commented that a six inch nail planted in the soil and watered for a year would grow into a crowbar.

Almost a century later, another generation of McWilliams has watched steel rise from the ground as the family reaps the benefit of their ancestor's foresight.

McWilliam's administrative staff and winemakers at Hanwood have been brought together in a new steel clad building that's as much at home in the region as the vineyards which surround it.

The New Administration and Laboratory building is part of an overall winery expansion masterplanned and project managed by Linney Engineering Services Pty Ltd.



C4 Architects Pty Ltd, a collaboration between design professionals in Adelaide, Griffith and Melbourne was given the task of creating a work environment which would encourage interaction between colleagues.

Their solution is a skillion roofed single level building clad in LYSAGHT CUSTOM ORB® and LYSAGHT SPANDEK® profiles made from ZINCALUME® steel.

The building has pleased McWilliam's Wines and with its extensive use of fully recyclable structural steel and LYSAGHT® cladding it meets C4 Architects' aim to provide ecologically sustainable outcomes.

It also sits well on a site it shares with a new barrel storage and premium cellar building, expanding tank farm and the family built barrel shaped cellar door tasting room.

As an integral part of C4 Architects' concentration on "good regional architecture" the company makes a point of using the building industry skills which are strongest in the areas in which it works.

"There is a very strong tradition of shed building and the use of steel cladding such as LYSAGHT CUSTOM ORB® and LYSAGHT SPANDEK® in this region, C4 Architects director, Brent Dowsett said.

"The McWilliam's site already included steel bulk wine tanks with a natural steel finish, so there was good reason to use the LYSAGHT® cladding in ZINCALUME® steel for the exterior cladding of the new building, and to expose and emphasise the

primary structural steel frame."

A portal frame and skillion roof on the building erected by Buildflex Pty Ltd draws on the industrial aesthetic of the large winery site, and is inspired by its regional context

It utilises standard shed building techniques that dominate construction in the area. The efficiency inherent in the structure and claddings helped maximise value for money.



The interior uses a mixture of traditional linings natural materials specific to the region and the layout brings together staff who were previously spread across different sites in separate buildings.

Wall and roof cladding was applied over steel framing by another Griffith firm, P & L Bellato.

LYSAGHT CUSTOM ORB® profile was selected for wall cladding to follow a tradition of rural architecture which has endured for more than a century and LYSAGHT SPANDEK® profile clads the roof.

LYSAGHT SPANDEK® provides a cost effective option for coverage of even the largest roof areas. Its contemporary looking, trapezoidal profile combines strength with lightness, impact resistance, rigidity and economy.



On the new McWilliam's building the C4 Architects' design included roof sections above the large foyer and verandahs where the LYSAGHT SPANDEK® cladding was innovatively combined with polycarbonate sheeting.

Light passing through the polycarbonate sheeting in these areas is filtered through perforated sheets of LYSAGHT SPANDEK® cladding below, with the two materials fixed close together to maintain the fine line of the skillion roof.

Structural engineering for the project was provided by FMG Consulting Pty Ltd.