



Winner

Kirribilly Wines – New Winery Canopies, Clare

Architect: JBJ Architects Pty Ltd
Project Architect: Jamie Gladigau
Structural Engineer: Ginos Engineering
Steel Fabricator: Ahrens Engineering
Head Building Contractor:
 AES Project Management
Steel Detailers:
 Bryant Concepts Pty Ltd (main canopy)
 Shadeform (sail canopy)
Steel Distributors: Austral Steel
 Tubemakers Steel

The impressive winning entry for the 2000 Architectural Steel Design Award is the Kirribilly Winery Canopies by JBG Architects, one of the few recent entries in the Award that does not constitute a complete building in the normal expected sense. The canopy construction is the completed Stage 1 of the winery development.

Shelter from the harsh summer sun was a workplace requirement of Kirribilly Wines.

At the same time the site needed to maintain the connection with the seasonal changes in the vineyard and microclimate for the natural process of winemaking.

The rural location of the vineyard, with its north aspect, enabled the architects to design an open canopy over the static fermentation tanks and work areas which welcomes the warming winter sun but shades the cellar level in the hot summer.

The structure successfully controls the prevailing weather conditions, northerly aspect (in conjunction with the elegant membrane sail structure), and reflects a logical planning disposition, simple, well executed detailing and striking overall aesthetic.

Jamie Gladigau, architect on the project said that: "Steel allowed us the flexibility to cover large areas with a lightweight structure, providing minimum columns and free working space at the busy cellar work level. Stage two will see the continuation of a taller suspended structure over larger static fermentation tanks and Colorbond cladding to the rear frame.

The steel structure exhibited a number of basic geometric principles in its design which reflect a clever, efficient, elegant and refined structural roofing system. The use of steel products extended to catwalks, stairs, hand rails and of course the myriad

of stainless steel equipment. The project is an excellent example of the practical use of steel as a material with straightforward and well executed detailing.

The structural system utilises a rear skillion frame to anchor the 23m WC masts and CHS stays supporting the suspended canopy. Roof trusses offered a light relief to the cold formed UB sections. Zinalume C sections blend with the Zinalume roof to provide the roof membrane.

A Dulux Luxathane Polyurethane paint protection system over the structural steel provides a durable decorative finish with resistance to the chemical processes of wine production.

The pre-finished structural members were transported to site with a police escort on extended semi trailers – a first for the construction industry of mid north South Australia. Site erection occurred within three days.

The structure is impressive on first sight and on closer inspection reveals a very high standard of workmanship. Steel has enabled Kirribilly Wines to redefine the aesthetic possibilities of the winery as an industrial complex.



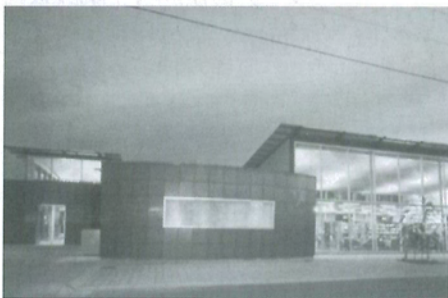
Kirribilly Winery Canopies

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 Steel Fabricator: Ahrens Engineering Pty Ltd
 Head Building Contractor: AES Project Management
 Steel Detailers: Bryant Concepts Pty Ltd (main canopy)
 Steel Distributors: Austral Steel and Tubemakers



Banrock Station Wine and Wetland Centre

Architect: Richard Stafford
 Structural Engineer: John Bowley
 Steel Fabricator: Magill Welding
 Steel Detailers: Edward Godfrey
 Head Building Contractor: Tagara Builders
 Steel Distributors: Union Steel



Spencer Institute of TAFE Kadina Campus and Community Library

Architect: Greenway International
 Structural Engineer: Jim Wilson Pty Ltd
 Steel Fabricator: Advanced Steel Fabrications
 Head Building Contractor: Badge Constructions Pty Ltd
 Steel Detailers: JG Design and Drafting
 Steel Distributors: Tubemakers Steel



Tauondi College

Architect: Swanbury Penglase
 Structural Engineer: David Coombe and Associates
 Steel Fabricator: Lincoln Engineers
 Head Building Contractor: Partek Industries
 Steel Detailer: Edward Godfrey
 Steel Distributor: Union Steel



Warradale Barracks Redevelopment

Architect: Hassell Pty Ltd - Ashley Halliday
 Project Engineers: Kinhill Pty Ltd
 Structural Engineer: PPK Environment and Infrastructure Pty Ltd
 Steel Fabricator: Theo Samaras Steel Fabrication Pty Ltd
 Head Building Contractor: Minuzzo Construction Pty Ltd
 Steel Distributors: BHP and Tubemakers



Fielders Warehouse Roof

Architect: Des Randell Architect
 Structural Engineer: CRW Consulting Engineers
 Steel Fabricator: Woolcock Engineering Pty Ltd
 Head Building Contractor: Woolcock Engineering Pty Ltd
 Steel Distributors: Austral Steel – Eagle & Globe



The Hendon Warehouse

Architect: Cheesman Architects
 Structural Engineer: Meinhardt P.T. Design Pty Ltd
 Steel Fabricator: Advanced Steel Pty Ltd
 Head Building Contractor: Specialised Construction and Management Pty Ltd
 Steel Distributors: BHP Steel