



SOUTH COAST MOUNTAIN RETREAT

HANLON WINDOWS USE WESTERN RED CEDAR WINDOWS AND DOORS
IN SOLAR PASSIVE HOME TO MAXIMISE LIGHT AND SPACE



This stunning, state of the art home located on the NSW South Coast was beautifully designed by Blair Mullins from Art House Design and constructed by John Jorgenson Builders. Only the finest materials were used on the project including Western Red Cedar windows and doors manufactured by local window fabricator Hanlon Windows.

The Cedar windows and doors form an integral part of the project and enable the internal areas to connect with the magnificent external views of the escarpment and sea.

The large expanses of glazing allow light to enter the building and improve the daylight quality of the rooms, whilst the combination of Western Red Cedar frames and Double-Glazing improves insulation, retains the ambient temperature of the internal living areas and reduces overall energy costs.

Awning windows installed with the integrated Truth hardware system provide unmatched elegance and performance while enhancing the windows overall appearance.

The use of Bi-Fold doors in the living areas and bedrooms creates large open spaces to view the stunning surrounds and combines well with Louvre windows to increase the natural airflow throughout the home, assisting in cross ventilation and passive cooling.

Bi-Fold windows in the kitchen provide functionality and a connection with the outdoor timber deck area, with uninterrupted views across the valley to the ocean.

The design of the building required a seamless fit into the sloping landscape rather than heavily modifying the site to suit construction.



PROJECT FEATURE



PRODUCTS SUPPLIED IN PROJECT:

HANLON WINDOWS Western Red Cedar Timber Awning Windows, Double Hung Windows, Louvre Windows, Bi-Fold Windows, Fixed Windows, Sliding Doors & Euro Bi-Fold Doors.

VIRIDIAN 16mm Insulated Glass Units (4mm Clear/8mm Air/4mm Clear), 4mm Clear Float Glass, 6mm Clear Louvre Blades & 6.38mm Translucent Laminated Glass.

HANLON WINDOWS recognises that our customers are now seeking more energy efficient and environmentally friendly products without compromising style and quality. The Cedar windows and doors supplied on this project are fitted with Viridian Insulated Glass Units to achieve a U-value of 3.0 and SHGC of 0.61.

"The first floor, being the main sculptural element, is the focal point. It touches the ground lightly, seemingly floating above the slope as a result of the cantilevered structure. A positive effect of this arrangement is the lack of visual bulk, which allows the landscape to ground the building and ensure it becomes part of the visually spectacular landscape instead of an intruder" comments building designer Blair Mullins.

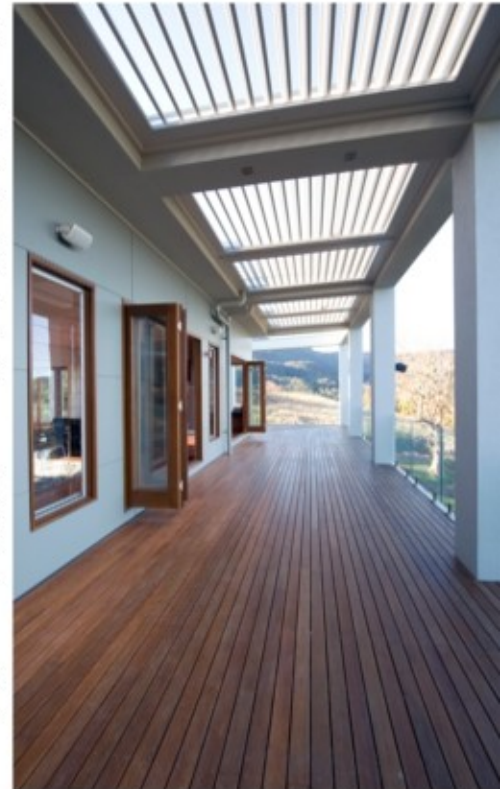
The ARX BELLA Project also achieves excellent building performance from an energy use value, from minimal water use and year-round thermal comfort of internal spaces via solar passive heating/cooling.

Durable and low maintenance materials were selected to complement the window systems, which provide a desirable aesthetic that combines ease of use and efficient use of materials.

This project was designed from the outset not to rely on air conditioning as internal climate control and focus on energy saving through careful selection of glazing location, frame type and size, as well as the incorporation of external shading devices, thermal mass in walls and the use of natural cross ventilation. All electrical equipment was selected on achieving high-energy efficient performance and a 100,000 Litre rainwater tank was installed to increase the buildings sustainability.

The combination of advanced design, intelligent architecture and masterful builders touch combine to provide a most gratifying solar passive home with clean lines maximizing light and space.

The realised concept is that the building is wonderfully synergistic with it's spectacular mountain setting.



Hanlon Windows (Australia) Pty Ltd are the leading manufacturer of Vantage Residential and AWS Commercial aluminium products in Australia. They also manufacture Western Red Cedar windows and doors and specialise in energy efficient products. Hanlon Windows are 100% Australian owned and operated with over 30 years manufacturing experience. High quality products and good customer service are paramount at Hanlon's and they have the experience to assist you in selecting the right windows and doors for your next project.



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