



MEREWETHER RESIDENCE

AWS SYSTEMS UTILISED TO CELEBRATE EXTENSIVE BEACHFRONT VIEWS

VANTAGE AND ELEVATE™ SYSTEMS HAVE ENABLED VIEWS WHILST MAINTAINING THERMAL EFFICIENCY



This inspiring home is located in the residential suburb of Merewether, three kilometres from Newcastle’s CBD.

Merewether is renowned for its Merewether Baths and over the past few years as more residential houses have been built, it has grown into a true beachside town.

Clients Michael and Louise have engaged with Bourne Blue Architecture on two projects previously: a renovation to an earlier house and the design and construction of their weekenders on the North Coast.

The clients were pleased with the architects’ previous work and decided to utilise their expertise for another of their projects.

The architects took inspiration from the ocean baths not far from the clients’ new home. The baths are heavy masonry and white. They are really grounded and the architects used this as a contextual relationship for the house.

The clients longed for a thermally efficient home, therefore when Bourne Blue proposed

a concrete construction, Michael and Louise were hesitant.

The clients were won over by the thermal mass created by the main slab and the resulting heating and cooling capabilities. As a consequence of the chosen construction, the gas fuelled hydronic underfloor heating that was installed is used much less than anticipated.

A generous 17.5-metre glazed frontage has been utilised to ensure maximum view of Merewether Beach. Due to the extensive glazing required for this project, a high quality product alongside an able manufacturer was required.

Bourne Blue Architecture worked closely with local aluminium window and door fabricator AVS Windows & Doors. The architects have always been pleased with AVS’s high quality workmanship and the fact that they supply the high performance





Vantage Series 614 ClearVENT™ Sashless Double-Hung Window:

- The main feature with this ClearVENT™ window is the clear unobtrusive vision, as there are no horizontal central sash rails. As one sash is lifted the other lowers (the sashes are joined via cords and pulleys).
- ClearVENT™ windows can be fitted with external flyscreens. Special extrusions have been cut to make sure this detail matches the overall window design, no turnbuckles are required.
- Ideal for incorporation into Bi-fold or Hinged doors where ventilation is required when doors are not in an open position.
- The window has been tested for compliance with the relevant Australian Standards and achieved a high water resistance of 300Pa.
- This full vision vertical sliding sashless double-hung window has been designed to complement our Designer Series range.

and durable AWS range of aluminium windows and doors.

The clients, alongside the architects, wanted to make the most of the view and minimise visible frames. AVS came up with a solution for this problem; they suggested sinking the head and sill of the frames into the concrete slab to ensure views were unhindered from the floor to the ceiling.

The architects were pleased with AVS's ability to custom design product and solutions to suit this particular project.

Vantage Series 614 ClearVENT™ Sashless Double Hung Windows were used throughout the entire home, as they allow for clear unobstructed vision because there are no horizontal

central sash rails. As one sash is lifted the other lowers, ensuring views are not compromised, although the window is still able to be opened to maximise ventilation.

This project also used a variety of aluminium windows and doors from the Elevate™ Aluminium Systems range, Series 400 CentreGLAZE™ frames, Series 624 double-glazed framing and Series 704 High Performance SlideMASTER™ doors.

The AWS aluminium windows and doors were used in this project due to their high performance, thermal efficiency and aesthetically pleasing frames which corresponded with the clients' and architects' glazing brief.



AVS Windows & Doors are licensed manufacturers of Vantage and Elevate™ aluminium windows and doors. Located in Tuggerah on the NSW Central Coast, AVS are focused on effectively and efficiently servicing the Newcastle, Central Coast and Sydney regions. Liz and Darren have over fifty years' experience within the window manufacturing/building industry and are able to assist you with selecting the right product for your project.



NEED MORE INFORMATION?

For the latest technical information regarding the Series 614 ClearVENT™ or other Vantage products, visit our website: www.vantagealuminium.com.au



2D & 3D CAD FILES AVAILABLE

Download the Vantage Series 614 ClearVENT™ CAD & Revit 3D files to use in your projects from the SpecifyAWS website: www.specifyaws.com.au



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