



Q-2 HOUSE WITH IQ2

JUST MINUTES FROM THE CBD, AN NATURE INSPIRED DESIGN BY MIKE CLEAVER
GLASS SUPPLIES DELIVER EXTENSIVE GLAZING TO CREATE AN OPEN, BRIGHT & UNIQUE INTERIOR



You could be forgiven for thinking this beautiful home is in the middle of a eucalypt forest, but you'd be mistaken. Just minutes from the CBD, the property is situated in the foothills of Mt Wellington, Tasmania, on a steep and spectacular 3.8 hectare ex-quarry.

The clients' brief was clear from the outset. Their major priorities were for a contemporary home with light-filled spaces that integrated sustainable design principles with the ability to be carbon neutral into the future. According to Building Designer, Mike Cleaver, the building's inspiration was derived from natural plant forms reaching from the terra firma towards the sun. The site afforded a number of challenges and opportunities. Ultimately, the design concept was to bunker the home deep into the quarry site, allowing it to seemingly emerge from the hillside and connect with the natural environment. In fact, this was a key sustainability strategy.

The rear roof is deliberately pitched just above ground level, with dual roof planes reaching

up to the northern sun and mountain views. Calculatedly large eaves control northern solar access during winter and summer. The southern rear walls of the home are earth-bermed, providing additional thermal efficiency to the battened insulated wall, and the strategically positioned dual-pitched roofs allow abundant northern solar gain. Ventilation is further enhanced through the double glazed Low E clerestory windows.

Elevate™ Series 704 SlideMASTER double glazed stacker sliding doors were the obvious choice for the project, as they provide the ultimate combination of maximum solar gain and heat retention. A proportionate thickened and insulated polished concrete slab and internal concrete block walls enable the correct balance of passive thermal gain in winter.

Mike was specific in his choice of Elevate™ Aluminium Systems window and door systems. He explains, "The use of inclined steel columns and exposed lintels was combined with



Elevate™ Series 464 ClearVENT™

- ClearVENT™ offers clear unobstructed vision as there are no horizontal central sash rails. As one sash is lifted the other lowers
- Sashes can be secured with key or non-key locking shoot bolt.
- A fixed sill glass panel can be fitted into the ClearVENT™ window to make it easy to get top ventilation only. This fixed sill panel could also be used on tall windows in elevated installations as a safety barrier.
- ClearVENT™ windows can be fitted with external flyscreens, no turn buckles required.
- Sashes are counterweighted by the adjoining sash via stainless steel/nylon pulleys and cords.
- ClearVENT™ vertical sliding sashes can also be installed into Series 50 or 51 hinged and Bi-fold doors.

Elevate™ Aluminium Systems systems to span large openings, creating a seamless transition onto the northern external decks and vista beyond. Importantly, the ease with which these large openings function is second to none.”

Extensive glazing provides the design with its open, bright and unique interior. As you move through the upper floor, the intensity of light creates a spatial experience as it floods the circulation space. From the lobby, expansive internal butt glazing and a large, frameless, glazed pocket door provide a flexible barrier between internal spaces. Additionally, multiple high-end Elevate™ Series 704 SlideMASTER stacker sliding doors accentuate the transparency and physical connection between inside and out. It is these transparent boundaries that provide a sense of spaciousness attributable to the widespread use of Elevate™ framing.

Overall, a visually appealing and luminous environment has been created through the strategic integration of extensive glazing to appropriate facades and internal partitions throughout the home. The high-performance and contemporary sections of the Elevate™ Aluminium Systems range are the perfect complement to this Clever-designed residence.

Other Elevate™ Systems utilised throughout the project include, Series 650 Hinged Door, Series 466 Awning Windows, Series 464 ClearVENT Sashless double-hung windows and Series 424 CentreGLAZE.

This sensational project has been recognised for excellence in design, winning numerous awards at the 2011 Building Designers Association of Tasmania’s 2011 Awards presentation.



Tasmanian owned and operated, Glass Supplies has been trading since 1960. During this time, Glass Supplies have become one of the State’s leading aluminium fabricators, providing quality and service second to none. The team at Glass Supplies are ready to assist you in selecting the ideal window and door systems for your project.



NEED MORE INFORMATION?

For the latest technical information regarding the Series 464 ClearVENT™ or other Elevate™ products, visit our website: www.elevatealuminium.com.au



2D & 3D CAD FILES AVAILABLE

Download the Series 464 ClearVENT™ CAD & Revit 3D Files to use in your projects from the Specify AWS website: www.specifyaws.com.au



ARCHITECTURAL WINDOW SYSTEMS

76-78 JEDDA RD, PRESTONS, NSW 2170
 P: 02 8783 7611 | F: 02 8783 7633
WWW.AWSAUSTRALIA.COM.AU
 TECHSUPPORT@AWSAUSTRALIA.COM.AU