



DAWES RESIDENCE

THREE STOREY HOME WITH A FOCUS ON ENERGY EFFICIENCY

VIEWCO GLASS UTILISE THERMALHEART SYSTEMS TO ENSURE OVERALL ENERGY PERFORMANCE



The Dawes Residence is an energy efficient home located in the most recent development in Kingston - Kingston Foreshores. Kingston is suburb in the Australian Capital Territory where a large number of homes are being built along the foreshore of Lake Burley Griffin.

The clients were eager to make the most out of their suburb location as well as create a home that had a state-of-the-art energy performance.

The clients also had a strong desire to have a home with a great indoor/outdoor flow, where internal rooms opened out onto balconies and decks.

Architect Tony Trobe of TT Architecture was appointed the difficult task of designing this house that required much design and material thought.

Tony used various techniques and materials in the design process to ensure the home was as energy efficient and practical as possible.

Tony designed the home with large spans of glazing to ensure the views of Lake Burley Griffin were maximised. To ensure the home suited the other architecturally inspired residential properties in the area, Tony designed the home with various shapes, including a large skillion roof as well as lots of triangular features throughout.

Due to the extent of the glazing required throughout, Tony Trobe relied heavily on aluminium window and door fabricator Viewco Glass, whom he had worked closely with in the past to advise on correct specification and installation detail.

Tony appreciated the extent of Viewco Glass's experience and expertise with aluminium windows and doors as they were able to provide practical input into the design process.

As the block is quite tight to the building envelope, the home was designed with high



Series 730 ThermalHEART™ Bi-Fold Door:

- A major advantage with ThermalHEART™ in cold climates is the reduction in internal condensation. ThermalHEART™ is also suitable for hot climates.
- Running bi-fold doors on bottom rollers reduces the problems caused by lintel sag and allows us to offer optional highlights.
- Low air infiltration suitable for air-conditioned buildings.
- The extra strong door stiles allow oversize door panels to be fabricated.
- Doors can be fitted with a variety of custom lever and bi-fold activator sets (ICON™, ANDO™ or MIRO™) with Lever Compression Lock (LCL) motor as standard.
- ThermalHEART™ comes in a range of colours including dual colour options resulting in different finishes indoors and outdoors.

ceilings to create a sense of space. The large ceilings allowed Tony Trobe the opportunity to use large spans of glazing to ensure the view of Lake Burley Griffin was maximised.

With the advice from Viewco Glass, Tony decided on the ThermalHEART™ range of bi-fold doors for the feature at the back of the home. They decided to use the ThermalHEART™ systems as Tony did not want to compromise on the size of the bi-fold doors, but still required a high performance glazing system to ensure the large spans of glass didn't negatively impact the thermal efficiency of the home.

The ThermalHEART™ system allowed for the design the flexibility of large

panel, thermally efficient and low maintenance windows and doors.

Other systems used on this project were a large ThermalHEART™ 731 Sliding door which was located on the first level to look over Lake Burley Griffin. ThermalHEART™ Series 726 awning windows were used throughout the home to ensure ventilation as well as several Series 525 Louvre windows which also helped with ventilation and created a thermal chimney within the home.

The overall project is a thermally efficient home that maximises the amazing views of its surroundings.



Viewco Glass is a family owned and operated business that was established in 1995. Viewco specialises in energy efficient window and door systems and supplies a wide range of clients, including residential and commercial projects. Viewco have complete showrooms in Wagga Wagga and Fyshwick and service Riverina and Southern NSW.



NEED MORE INFORMATION?

For the latest technical information regarding the Series 730 ThermalHEART™ Bi-fold Door or other ThermalHEART™ products, visit our website: www.thermalheart.com.au



2D & 3D CAD FILES AVAILABLE

Download the ThermalHEART™ Series 730 Bi-fold Door CAD & Revit 3D files to use in your projects from the SpecifyAWS 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