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## THE POLE HOUSE

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**BRADFORD GLASS AND ALUMINIUM USE THERMALHEART™ SYSTEMS TO MAXIMISE VIEWS AND MAINTAIN ENERGY RATINGS**

In pole position on the Great Ocean Road, sits the iconic Pole House. Built originally in the late 1970s, this experimental beach house recently fell victim to old age. The owners decided to demolish the entire house and rebuild, creating a luxury feel throughout the property.

Franco Fiorentini from F2 Architecture was given the opportunity to renovate this home. The brief was to open the place up and maximise the southern view. Franco Fiorentini wanted to take full advantage of the ocean views, making them visible throughout the home.

The home is only 8 metres by 8 metres in size and has been strategically engineered to ensure complete safety and comfort. The Pole House sits on a 700mm slab which tapers towards the edge, balanced on a 15 metre high column.

Due to the home's beachside location and height, it is exposed to all the elements including sea salt, heavy rain and wind with speeds up to 100km per hour. Solid, reliable materials were required for this home to ensure longevity and structural integrity.

## **AWS** | PROJECT FEATURE

The team from Bradfords Glass and Aluminium (BGA) assisted in the design process to ensure the architects' and clients' brief was met. BGA provided advice and expertise to ensure all windows and doors were correct in regards to the home's unusual application.

ThermalHEART™ commercial aluminium windows and doors were used throughout the Pole House to ensure the project met required energy ratings. Due to the large expanses of glazing throughout this home, the system was required to ensure protection from the extremely cold winter temperatures coming off Bass Straight, as well as the sun's heat piercing through the home throughout summer.

Double Glazed Low-E Glass coupled with the ThermalHEART™ aluminium systems ensured the tenants are able to enjoy a 360 degree view whilst not jeopardising energy requirements. All doors are completely retractable for a seamless view of the ocean front.



For more information & the full gallery, visit:  
[thermalheart.com.au](http://thermalheart.com.au)



Architect: Franco Fiorentini from F2Architecture | Photography: Matt Lord



### **THERMALHEART™ SERIES 852 COMMERCIAL THERMALLY BROKEN DOOR**

- × Series 852 is an innovative thermally broken aluminium commercial door system designed to complement the Elevate™ Commercial thermally broken CentreGLAZE™ and FrontGLAZE™ framing systems.
- × Incorporating ThermalHEART™ technology, Series 852 delivers excellent thermal performance and is ideal for commercial and high-end residential applications where minimising heat or cold transfer is desired.
- × Available as hinged, pivot and sliding panels.
- × Top and bottom rails are secured to stiles with heavy duty spigot fixed to thick backing plate with high tensile bolts.
- × Door stiles have been designed to accept wide backset (34mm and 38mm) locks. The greater the backset the easier it is to access the key.

**Bradford**  
GLASS & ALUMINIUM

Bradford Glass & Aluminium (BGA) is a Geelong based family owned business specialising in aluminium commercial windows and doors. Established over 40 years ago, the team at BGA have built a reputation for quality workmanship, attention to detail and professional expertise. BGA specialise in the supply and installation of commercial window solutions for high-end residential, architectural and commercial projects.

[www.bradfordglass.com.au](http://www.bradfordglass.com.au)



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For more information on this and the rest of the ThermalHEART™ range: [thermalheart.com.au](http://thermalheart.com.au)