



Case Study

Beach Retreat



Product Range: Bushfire Safe Range

Outstandign collaboration between owner, architect, builder and Paarhammer achieves award-winning revamp of this remarkable beach retreat in NSW

Awards: Winner NSW State Award as well as Australian National Award
AGWA Design and Industry Awards 2024 - Residential Window/Glass Retrofit Project

Architect: Ellen Woolley

Builder: Davis Builders

“Paarhammer is technically knowledgeable on their fabrication and installation limits and understands given architectural intentions”



Challenge

Set on a 45 degree steep slope, this home renovation and addition is in the highest Bushfire Zone BAL-FZ and high wind area. The building rests on 43 poles, and is built over several levels with difficult access.

The design brief asked for very large, glazed, movable elements without a corner post, opening the house to the ocean, and the adjoining National Park.



Solution

Originally tested to 2400x2400mm, Paarhammer's Bushfire Safe products required a re-engineering of lift-slide sliding doors and stacker doors to come up with an engineered solution for wider expansions and multiples of these.

It included a frameless corner where glazed lift-slide doors stack back eight metres, opening the house to the ocean, and four & a half metres on the park side to provide uninterrupted access to suspended decks and stunning views.

All windows and doors in this project comply with AS3959-2018 Flame Zone (BAL-FZ) for Building in Bushfire Prone Areas. These products are also double glazed for energy efficiency.

