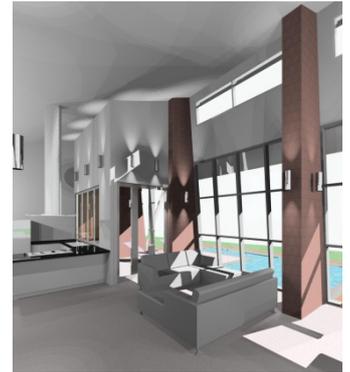
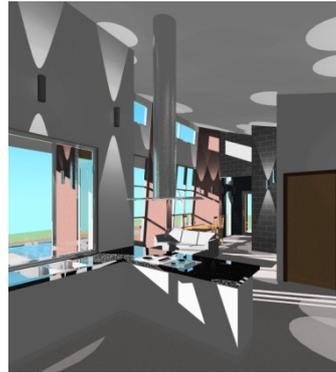


Boral Roofing Design Award 2008

Category: Up to \$350,000

Project Title: **wave house**

Practice:  latemore design



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Design team: Peter Latemore



Part A Conceptual Intent:

The concept behind **Wave House** centered on producing a building envelope that tells a story of what is inside.

Wave House is inspired by using Boral shingle tiles in new ways, especially in curved rooves and on vertical surfaces. The variety in the range also encouraged using the product to accentuate different elements. The combination of 'lifting' curved rooves with the fenestration of Boral shingles was intrinsic to the concept of Wave house. These roof elements, as separated entities, also encourage the readability of the building's spaces.

The inherent quality and range of Boral shingle tiles, along with other Boral products, allowed this concept to emerge as wave house.

Broadly the building is three zones - front entry and garage, middle living core and a rear bed wing. All with a service spine on southern side. Each zone is distinct from all angles, and the treatments throughout encourage the building to 'explain' to the world what is inside and feel welcoming.

Wave House becomes cohesive by the use of Boral shingle tiles on 'wave' rooves, and feature pillars.



- Part B**
Description of project: **Wave House** utilizes current traditional construction methods, but in somewhat better ways. This is especially applicable to the innovative roof shapes for the Boral shingle tiles.
The large span curved roof over living zone is envisaged to use curved C steel rafters supported by a ply clad spandrel between the large pillars clad in Boral shingle tile. These curved rafters will then allow standard roof battens to hold the tiles in place.
A side benefit of curved rafters is the plaster ceiling can also follow the roof shape and be simply installed.
In most areas, louvres are used to provide greater control of ventilation. As these are in sets of blades, residents can better adjust the building. Lower sets of louvres have cedar blades for privacy and sun control.
All lower panels of the curtain glass walls at living would have awning windows, which act just like louvres in their ability to influence ventilation. The highlights throughout are also awning style, but could also be louvres. And motorized if desired.
- Part C**
Possibilities of product: Boral shingle tile is not only limited to 15° pitched rooves. **Wave House** is attempting to illustrate its properties as a potential roof cladding on curved roofs, as well as walls. Based on the ability of other tile profiles to handle curves, especially in Asian architecture, these flatter finished shingle types should suit the flat curves used on wave house. Some slight adjustment to batten and fixings will allow the tiles to follow the curve. **Wave House** is based on 35m radius, which should be sufficient.
By doing this, a whole market dominated by steel will become available to Boral. **Latemore Design** is keen to attempt this, as the aesthetics of a shingle tiled roof are fundamentally different to steel. Tiled rooves introduce a subtle level of texture to broad surfaces and the unique look of Boral shingles bring a level of finish to rooves not obtainable with curved steel.
- Part D**
Use of product: Boral terracotta shingle - Feldspar
Boral terracotta shingle - Sydney red
The shingle profile was chosen by **Latemore Design** mainly for its unique flatter finish which subtly enhances a broad roof area. The darker feldspar is used on all rooves to accentuate the wave shapes. This colour is also placed on the entry walls to reinforce the solidity of the front region. The lighter Sydney Red has been used on pillars and walls of the living region as a counterpoint.
The shingle profile also is ideal for use on wall surfaces, even inside, and wave house has done this within the light filled living zone.
- Cost note: **Wave House** is entered in the under \$350k category. It is exactly 150m² of internal area, as per competition brief (outside walls), and of a level of finish that the building itself should meet the budget, if located in the Brisbane region. The pool and any external works would be extra to this.

Design awarded with entry into National Magazine of 'Best' entries.

a different pitch BORAL ROOFING DESIGN AWARD



PROFESSIONAL

ENTRANT

Design of homes costing up to \$350,000

PROJECT TITLE:

Wave House

DESIGN PRACTICE:

Latemore Design Pty Ltd

PROJECT DESIGN TEAM:

Peter Latemore

BORAL PRODUCTS USED:

Terracotta Shingle™

COLOURS USED:

Feldspar and Sydney Red