

HOUSE INFORMATION SHEET



Magnetic Island House

*This house is designed to allow the occupants to enjoy the outdoors while remaining sheltered from the tropical rain and heat*

Name of Owner/s	Cabernet Nominees Pty. Limited
Address	20 Wallaby Way, Horseshoe Bay Magnetic Island QLD 4819
New or Retro	The house is new. Build by the owner’s engineering/construction company as a “spec house”.
Architect	The architect was Zammi Rohan of Troppo Architects, Townsville.
Unique Sustainable Elements featured in this home	
Water Harvesting	Features 1000 litre Lysaght rainwater tank. Plumbing is designed for greywater system but currently not implemented. Water efficient taps and showerheads. Plumbing connected to town water supply.
External walls	Only about 20% of the external walls of the house are actual walls, the rest is windows, doors, louvres, shutters, timber batten breezeways and insect screens. Walls consist of wooden frames with fibre cement sheet (not insulated).
Internal walls	Timber framing and sheeting to maximise the building’s responsiveness to changes in temperature. Not insulated,
Roof	Colorbond corrugated iron sheeting. “Surfmist”. Roof lines are angled throughout to ensure the right level of exposure to the elements. Plunge downwards where protection is most required, and sores up where light is required. Fully insulated (Air-cell insulation) with generous overhangs to protect the walls from direct sunlight.
Floor	Particle board floor with bamboo overlay. Steel floor frame.
Window treatments	Windows consist of louvres (grey glass or cedar timber blades) and plantation shutters. Translucent sheeting also used.
Heating & Cooling	Internal verandahs cut paths thru the house to facilitate circulation of breezes and ventilation. Retained shading trees close to house.
Water Heating	26L Rheem Integrity gas instantaneous water heater.
Appliances	Water efficient taps and showerheads. Energy efficient compact fluorescent down lights.
Other	Lightweight, low mass materials used that respond quickly to changes in temperature such as steel portal frames and roof, and timber (stud frames, walls and floors). Another advantage of simple steel and timber construction was the ability to prefabricate the structural members on the mainland and assemble on site. All materials recyclable. Minimal disruption to site. Designed to minimise material consumption and labour.