LOW CARBON COMMENDATION NEW HOUSE

Located on a small-scale greenfield site, Canberra Coast House is an exemplar for delivering space efficiency, affordability, and liveability. Combining a small footprint with strategically located courtyards, the house enjoys plentiful natural light and delivers a sense of spaciousness not typically found in compact living typologies.

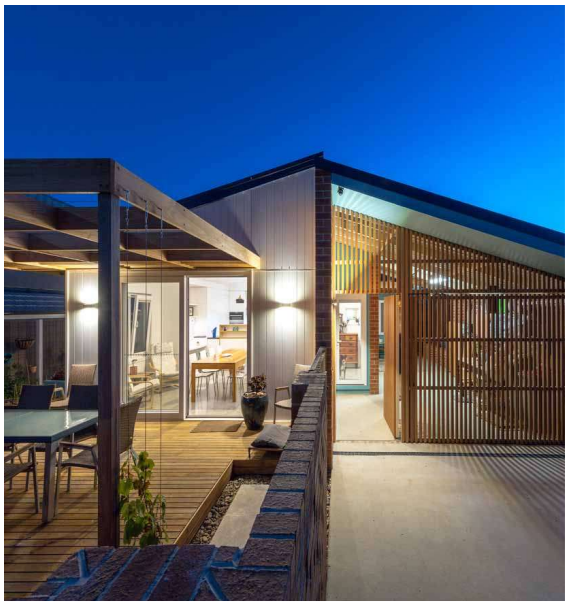
The 150square metre (sqm) footprint for a three to four-bedroom house is the biggest contributing factor to the houses' ability to achieve a 34% reduction in carbon when excluding allowances for solar (one of the highest performing projects when considered against this criteria). With allowance for a 3kW rooftop solar system it reports a 68% reduction. By reducing the house by 100sqm, when compared to the average Canberra home, the outcome is less materials used in construction, less materials wasted at end of life, and less energy required to maintain thermal comfort.

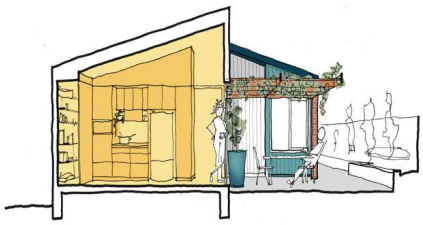
The jury highly praises the Canberra Beach House for its commitment to space-efficient living.

LIGHT HOUSE ARCHITECTURE AND SCIENCE

CANBERRA BEACH HOUSE | 1 STOREY

SCAN ME





This compact 4 bed, 2 bath, 2 living family home is super energy and space efficient. The 150m2 house plus carport is on a skinny 405m2 block with north to the street. Using solar passive principles and NatHERS energy performance modelling, the home is designed to soak up every ray of northern sunlight in winter. Pergolas with deciduous vines carefully shade the home in summer. It was built using standard construction methods and materials, but with great attention to detail to thoroughly insulate and seal for high thermal performance. This 8 star home shows what can be achieved with affordable everyday building products and techniques.

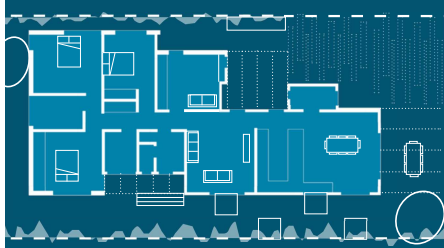
178SQM HOUSE/CAR · 8.0 STAR ENERGY EFFICIENCY · 3kW ROOFTOP SOLAR · RECYCLED MATERIAL · LOW WATER · THERMAL MASS · LOW ENERGY APPLIANCES · LOW EMBODIED MATERIALS · AIRTIGHTNESS INSULATION · FLEXIBLE DESIGN · SOLAR PASSIVE DESIGN · LANDSCAPING AND SHADE

CANBERRA
LOW CARBON HOUSING
CHALLENGE

≥68%
improved

EXCELLENT

GLOBAL WARMING POTENTIAL



SITE PLAN