



TGBN SUSTAINABLE DISPLAY HOME

Showcasing Affordable Energy Efficiency

★★★★★★★★★★
Cairns' first 9 Star Energy Efficiency
Rated Display Home

PROJECT DETAILS



Address: Lot 1420 Kippin Close, Redlynch Valley Estate

Client: Rachel Whymark

Designer: Sophie Barrett- Green at Heart

Builder: Kenick Constructions

Budget: Under \$250,000 build cost

Size: 180M2, 4 bedroom, 2 bathroom

Energy Rating: 9 Stars

HIA Greensmart Accredited: YES- to be obtained

Opening times: Open for one month then one week-end per month for one year and on appointment.

Launch Date: Sustainable House Day, September 2012



PROJECT SUMMARY

The TGBN (Tropical Green Building network) through collaboration of participating members and associations throughout North Queensland is pleased to launch their first Sustainable Display Home for the Far North Queensland region.

A passive designed home packed with energy efficient features. This home has been designed to display tropical living at its best. Showcasing local suppliers, energy efficient products and building techniques unique to the tropics the project will explore and incorporate alternative energy solutions where feasible within budget.

The aim is to promote sustainable housing for the affordable project home market and show that it is possible to create a home that is energy efficient and reduces ongoing energy costs, water consumption and minimises waste on a budget.

SEEKING EXPRESSIONS OF INTEREST FROM SUPPLIERS

We are currently seeking expressions of interest from suppliers who wish to be involved in showcasing their products and building materials in this home, including (but not limited to) energy efficient solutions for:

- Alternative energy sources
- Waste and water management products
- Windows and doors
- Building materials
- Landscape and surrounds
- Recycled materials

There will be a permanent display area for suppliers brochures and product samples at the front of the home. This is a great opportunity for suppliers to showcase their products in the public arena and position themselves as environmental innovators in the local market. Your logo and material will be publicised through the home, business and industry networks, press releases and in the media.

Expressions of interest should be directed to sustainability@cafneq.org.au.

DESIGN

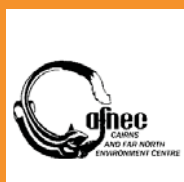
- PASSIVE DESIGN
- DESIGNED FOR ACCESSIBILITY
- SAFE DESIGN
- OPEN PLANNING
- COURTYARD LIVING
- CROSS VENTILATION
- VENTED ROOF AND EAVES
- ERGONOMIC DESIGN
- ZONING OF AREAS
- NARROW BUILDING WIDTHS
- NATURAL DAYLIGHTING
- 800MM OVERHANGS
- 2.7M CEILINGS, 2.1M JOINERY
- LOUVRES AND HIGHLY OPEN-ABLE WINDOWS AND DOORS
- LIGHT COLOURS
- DESIGNED TO SUIT SHEET WIDTHS

MATERIALS

- LIGHTWEIGHT CONSTRUCTION
- R1.5 AND FOIL TO WALLS
- R3.5 TO CEILING
- LIGHT COLOURED ROOF & WALLS
- TINTED WINDOWS AND DOORS
- LOW VOC PAINTS AND FINISHES
- RECYCLED MATERIALS USED IN LANDSCAPING
- LOCAL SUPPLIERS WHERE POSSIBLE
- CONSTRUCTION WASTE MANAGED AND MINIMISED



TGBN PROJECT PARTNERS





ENERGY

- SOLAR OR WIND POWER- TBC
- SOLAR HOT WATER SYSTEM
- 100% LED LIGHTING
- GAS COOK TOPS
- ENERGY EFFICIENT ACs
- ENERGY MONITOR
- REMOTE POWER OFF PPTs

WATER

- 5000L RAINWATER TANK
- RWT PLUMBED TO FLUSH WC AND FOR LAUNDRY
- 4 STAR TOILETS
- 4 STAR TAPWARE
- 3 STAR MIN. SHOWERS
- BASIN OVER CISTERN IN WC
- WATER PRESSURE LIMITED
- GREY WATER DIVERTER - TBC

OTHER

- GREEN WALL AT ENTRANCE
- NATIVE PLANT SPECIES TO ATTRACT BIRDS AND BUTTERFLIES
- MULCHING OF GARDEN BEDS
- PERMACULTURE GARDEN
- COMPOSTING
- PLANTING FOR SHADING TO WEST WALLS
- PHYSICAL TERMITE BARRIERS
- NATIVE FISH POND

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