

ApexResidence Projectype:Residential

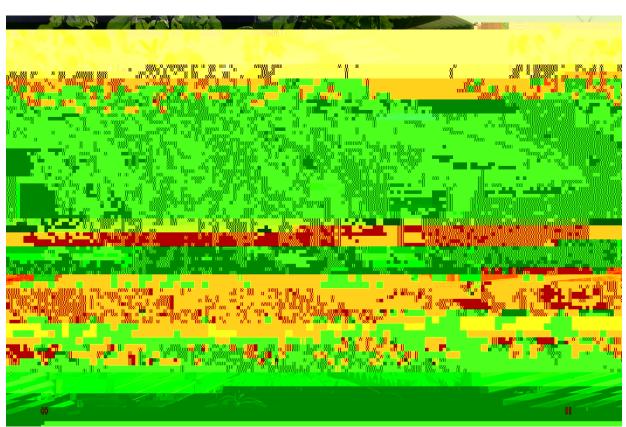
LocationSmithfield,CairnsQLD,Australia Yearcompleted2000

A simpleand effectives tudyin passived esign to suitits suburban location on a Cairn shill slope

Earlyimplementation of strategies oimprove the ecological alueothesite

OVERVIEW

Apexresidencevasconceived as the designing lyapposis per a satal de datal d



The housesits discreetly ithin the protective on tour of a north

facingslope.It is surroundedby

dense native lands cape which conceals the house from the street spelow, yet allows vist as of the distants ea and adjacent mountain from all parts of the house. It remains hidden until the moment of discovery and delight.

It is not a largehouseand wasdeliveredwithina modestconstructiobudget, yet the simple, outwardly focussed esign feels light, air yand spacious The house is a simple and effective tudy in passive lesign applied precisely design feels light and the surrounding at ural environment and promote comfortable utdoor living in all seasons.

The housewas designed ohave minimal impacton the site, to be energy and water efficient and to incorporate ecycled materials twas awarded the inaugura HIA energy efficient design award for the Cairn's egion in 2001.

PLANNINGAND MANAGEMENT

The projectwasdesignedocallyby a designereducated and experienced tropical sustainable design.

Wasterninimisation and recycling procedure were implemented uring construction imberoff cuts were used to make be spokefur niture for the house for example.

Construction asprogrammed o commencat the beginning of the dry season to minimise wet weathed elays and otherwetweather impacts uch as soiler osion and water damage to materials. Construction equencing llowed the roof to be installed arly to provide protection for the remainder of the build.

 $\label{lem:condition} Durable, robust and mould resist an \textbf{t} material sincluding color bonds teel roof and wall cladding, profiled FC$

 $effectiv \& hermal/enting/iahighlevel clerestor windows The main living level is a raise & platform positioned high amongs \verb|thesurrounding| reesto effective | \verb|gaptur & protection | reesto | reesto$

 $nights The dense surround in \underline{\textbf{v}} rees also help keep the house comfortably ool.$

The housewas part of a recent energy provider tariff trial, and consistent type to develop the household energy consumption to the velocity of the trial and consistent type to develop the velocity of the ve

WATERAND WASTE

There is a 2000 trecolor bonds teer a inwate tank for irrigation. The househas been retrofitted with low volume WC cistern and tap ware. There is no dishwashed, he site feature a low waternative bushlands cape with green and recycled mulches applied annually. There are swales to control high volume overland low. There is no law now ater.

OWNERS/USERSTATEMENT

Outdoors, natural ventilation, flexible spaces, light, cool, views, close to nature, private yet central and convenien to wenergy bills, low maintenance at ural and scape and no law now.

PROJECTEAM

Basebuildingarchitectdesigner ESD consultant Belinda Allwood Structurælngineer CMG Consultin Engineer StyLtd Builder: Len Harris

Formoreinformationvisit: www.jcu.edu.au/tsd

www.greenbuild.com.au

