Australian Homestead inspires new development

A new energy-efficient development at Ellenbrook in Perth takes its design cues from the classic Australian homestead and climatic conditions, with steeply pitched roofs and sun-smart eaves. The range of recommended building materials at Coolamon Village includes roofing made from COLORBOND® steel or ZINCALUME® steel.

A development at Ellenbrook in Perth combines the latest energy-efficient design principles with a contemporary Australian theme including colours that complement the landscaped surrounds and native flora.

The architecture at Coolamon takes its design cues from climatic conditions and the classic Australian homestead, with steeply pitched roofs and sun-smart eaves.

Coolamon Village was awarded the 1999 Energy Efficiency Award from the Western Australia Office of Energy in the category of Planning Transport and Infrastructure.

Building manager Phil Cuttone was a finalist for the Energy Achiever Award for his work promoting energy efficient design principles.

"There are design guidelines for Coolamon to maintain a high level of design quality and energy efficiency," he said.

The range of recommended building materials includes roofing made from COLORBOND® steel or ZINCALUME® steel.

"One of the key advantages of COLORBOND® steel in warmer climates is its ability to cool quickly at night, limiting the amount of heat radiated into the home," Mr Cuttone said.

"We selected a palette of about eight COLORBOND® steel colours which can be used in conjunction with other materials to create an individual style that co-ordinates with the surrounding architecture," he said.

"The COLORBOND® steel colours blend perfectly with the Coolamon palette which has been inspired by the Australian landscape."

Mr Cuttone said extensive use of 'passive solar' building techniques offered significant savings in heating and cooling, as well as helping to protect the environment.

"As an incentive to build an energy-efficient design, we provide each Coolamon home with free ceiling insulation, if it meets a set of pre-determined energy-friendly design criteria," he said.

A feature of the Village's planning is the predominantly north-south road alignment, which provides a platform to maximise homesites with an east-west orientation and encourages the use of passive solar design principles.

A dwelling oriented on an east-west axis with its living areas facing north, for example, takes greater advantage of the warming winter sun.

During summer when the sun is higher in the sky, correctly-designed wide eave-overhangs will ensure less sunlight enters the north-facing windows.

If windows and doors are positioned to allow cooling breezes to circulate, the net effect is a cooler home.

For more information call Phil Cuttone, Ellenbrook Land Sales on (08) 9296 9000.

IN BRIEF

Project:
Coolamon at Ellenbrook, Perth

ESD Award:
1999 Energy Efficiency Award from the Western Australia office of Energy in the category of Planning Transport and Infrastructure.

Steel solution:
"There are design guidelines for Coolamon to maintain a high level of design quality and energy efficiency,"
- Building manager Phil Cuttone

Planner:
Roberts Day Group
(08) 9321 8688

Engineer:
Cossill & Webley
Consulting Engineers
(08) 9388 1899

Builder:
Multiple

Cladder/roofer:
Multiple

"One of the key advantages of COLORBOND® steel in warmer climates is its ability to cool quickly at night, limiting the amount of heat radiated into the home..."

- MR PHIL CUTTONE
BUILDING MANAGER