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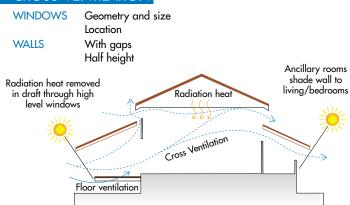
FELIX RIEDWEG ARCHITECTS PTY LTD

CLIMATE RESPONSIVE HOUSING

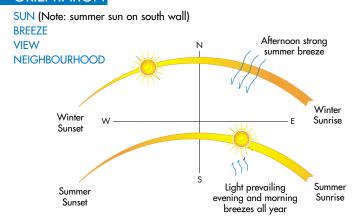
LIVING IN THE TROPICS

Comfort is achievable by creating an environment considering temperature, humidity and air movement. Whilst we can't do much to reduce the humidity, we can improve on the temperature and air flow through appropriate choice of building material (thermal mass), the right ORIENTATION, the provision of adequate SHADING (built or naturally grown landscaping) and the selection and placing of windows for CROSS VENTILATION.

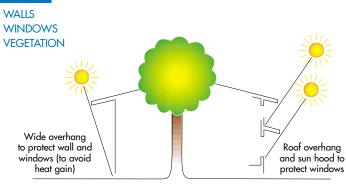
CROSS VENTILATION



ORIENTATION



SHADE



ENERGY EFFICIENT

TROPICAL

AFFORDABLE

FOR ALL, AT ALL STAGES OF LIFE

ENERGY EFFICIENT

- Use less energy
- Improve cross ventilation
- Select appropriate building materials to reduce heat gain
- Use solar power (solar hot water)
- Landscape for natural shading

TROPICAL

- Design for the humid coastal climate of lattitude 20° (Townsville/Thuringowa area)
- Open planning, outdoor orientated
- Breeze to improve comfort by colling body and
- Lots of shade (wide roof overhangs, landscaping)

AFFORDABLE

- Innovative use of conventional construction
- Consider overall costs = Construction costs PLUS running and maintenance expenses

AWARDS

1996

• Energy Efficient Home Design Queensland Tropical Climate Winner Queensland Department of Mines & Energy

1997

• Tropical Housing Design Design Award

Queensland Department of Public Works and Housing

Cairns City Council

1999

• 1999 Smart Housing Design Award Tropical Humid Regional Zone Qeensland Department of Housing

2001

• Smart Housing Design Award Queensland Department of Housing

2003

• 1st Prize - Climate Responsive Housing Design Competition

Thuringowa July 2003



THE ARCHITECTS

EXPERTISE

- Climate Responsive Housing
- Energy efficient tropical design (awards)
- Renovations, alterations, extensions
- Residential (single dwelling or multi-storey unit developments)
- Heritage
- Commercial

Shops and warehouses Office developments Educational buildings Sporting facilities Hospital work

SKILLS

- Design skills (awards and competition success)
- Feasibility studies and reports
- Urban design and master planning (Seychelles international competition winner)
- Design and documentation, contract administration
- Project management
- Design and construct
- Interior design (award)
- Heritage work (award 250 year old inner city complex, Burgdorf/Switzerland)

EXPERIENCE

Over 30 years uninterrupted professional activities in the tropics and overseas





