



BLIGH TANNER
CONSULTING ENGINEERS

KEY PROJECTS

**Winner – Building of the Year,
Housing Industry Association
GreenSmart Awards 2006**

**Winner – Water Efficient House
of the Year, Housing Industry
Association GreenSmart
Awards 2006**

SUSTAINABLE HOME BRISBANE



The Sustainable Home Brisbane – the house of the future located at Seventeen Mile Rocks

As civil, structural and hydraulic engineers for the Sustainable Home project, Bligh Tanner reduced environmental impacts in three areas: materials, water management and work practices.

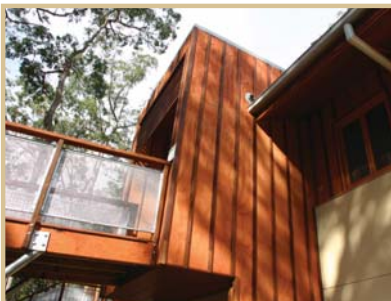


Bamboo floor (Photo: EPA)

CHOOSING MATERIALS WELL

Using recycled materials, low toxicity materials and renewable materials reduces what's taken out of the environment – or added to it.

- Recycled materials: recycled timber, recycled concrete pavers – these materials reduce the embodied energy in the construction of a building and its use.
- Renewable materials: plantation timber or ply rather than timber from rainforests or old growth forests.
- Non-toxic materials: BT used high density polyethylene pipes – they are less likely to leak, have lower embodied energy and may be safer than PVC pipes that might leach chemicals into the environment.
- Reducing materials: wood products made from engineered sections reduce waste of smaller timber pieces.
- Environmentally friendly finishes: environmentally appropriate and durable natural oil floor finishes, no glues on floor coverings, recycled timber flooring for garage and driveway and natural floorings such as bamboo inside the home.



Ply is a sustainable choice for building
(Photo: EPA)