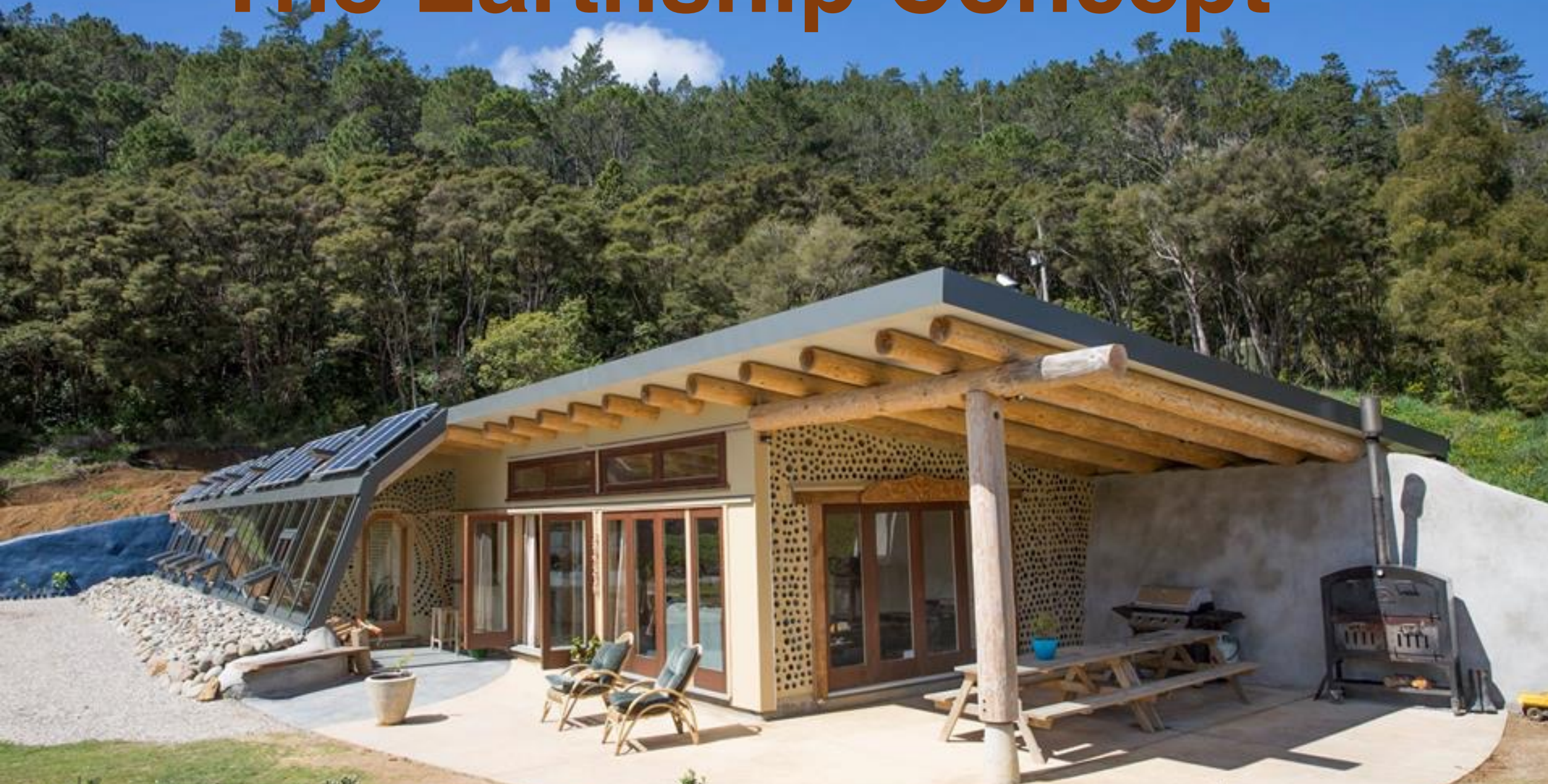


The Earthship Concept



Whole Systems Thinking in the form of a living space



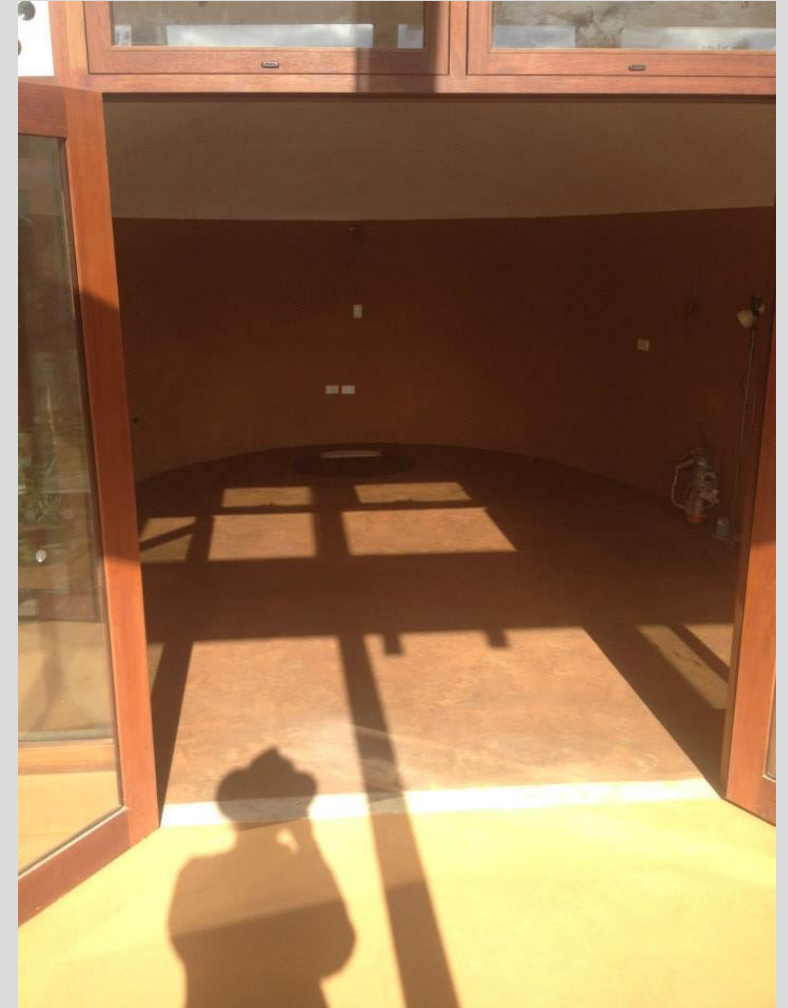
The 6 main principals...

- 1) Thermal/Solar Heating & Cooling
- 2) Solar & Wind Electricity
- 3) Contained Sewage Treatment
- 4) Building with Natural & Recycled Materials
- 5) Water Harvesting
- 6) Food Production



Thermal/Solar Heating & Cooling

Earthships maintain comfortable temperatures in any climate. The planet Earth is thermally stabilised mass that keeps a constant temperature. We use the sun's energy to catch and store energy.



Thermal/Solar Heating & Cooling



Thermal/Solar Heating & Cooling



Solar & Wind Electricity

Earthships produce their own electricity with a solar and/or wind power system. This energy is stored in batteries and supplied to your electrical outlets. Earthships can have multiple sources of power depending on the location

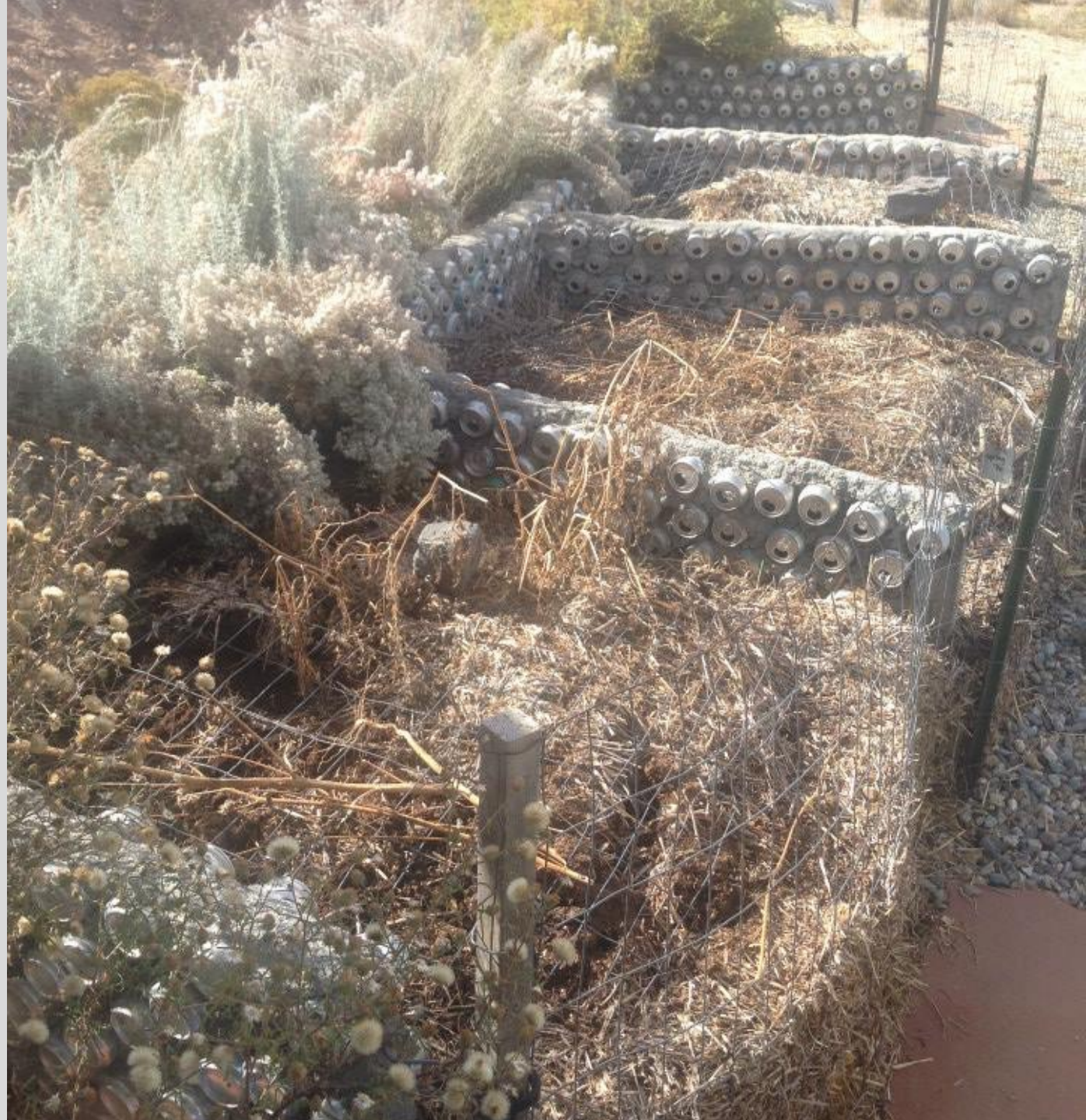




Contained Sewage Treatment

Earthships contain use and reuse all household sewage in indoor and outdoor treatment cells resulting in food production and landscaping with no pollution of aquifers. Toilets can be dry composting or flush.





Building with Natural & Recycled Materials

We like to use ‘vernacular’ architecture when building Earthships: A regenerative home must make use of indigenous materials, those occurring naturally in the local area, and those which are being discarded.



Building with Natural & Recycled Materials





**Building with Natural
Recycled Materials**

Water Harvesting



Earthships catch water from the sky (rain & snow melt) and use it four times. Water is heated from the sun, biodiesel and/or natural gas. Earthships can have city water as backup. Earthships do not pollute underground water aquifers.



Food Production

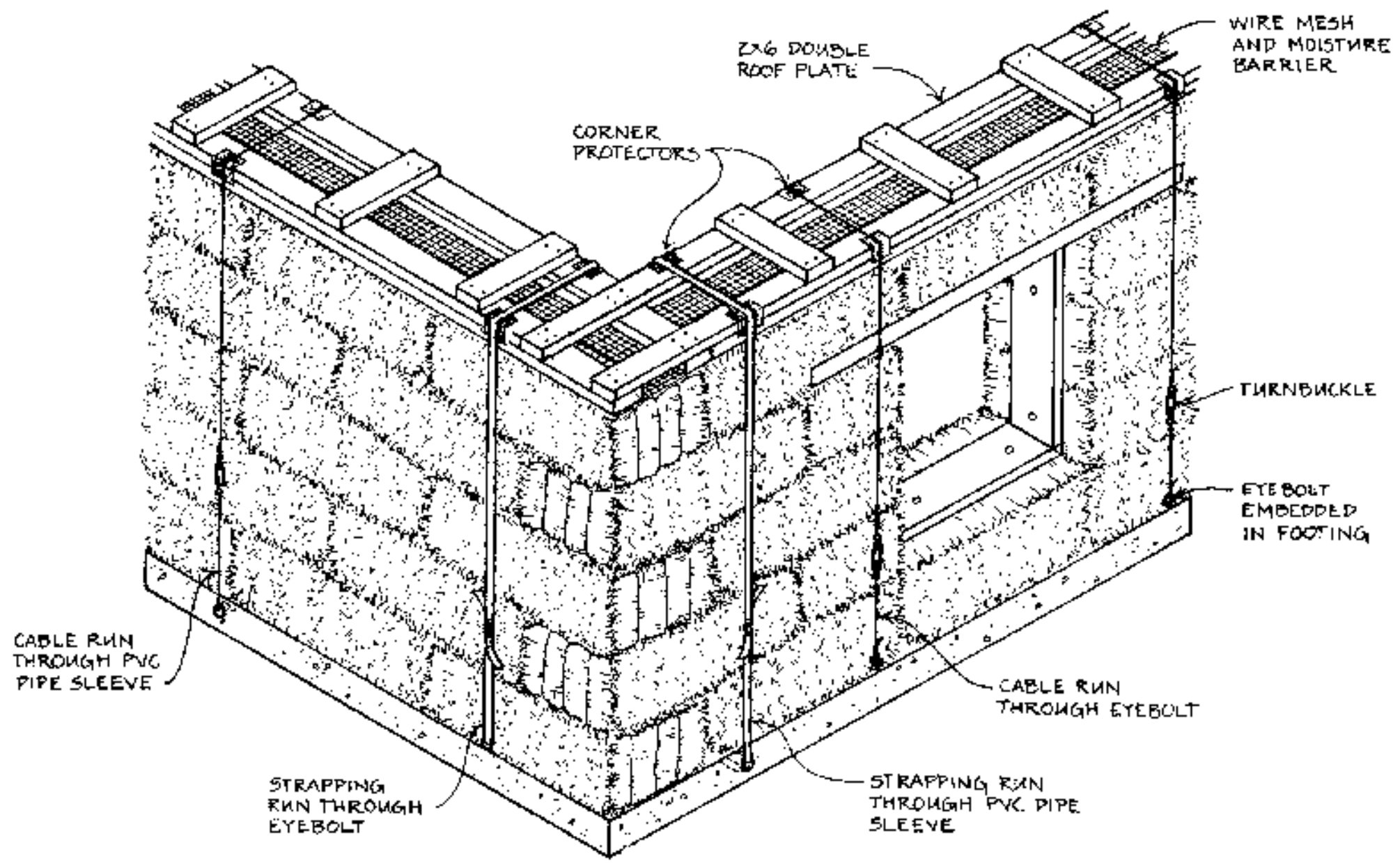
Earthship wetlands, the grey & black water planters that hold hundreds of litres of water from sinks and the shower are a great place for growing your own vegetables & herbs, and even for aquaponics projects too!





The image shows the interior of a strawbale artist studio. The walls are constructed from stacked straw bales, with some sections reinforced with wire mesh. A wooden ceiling is visible at the top. A large window on the right side provides a view of a dense green forest. In the foreground, there are wooden beams and a metal stand. The text "Strawbale Artist Studio Tasmania, April 2014" is overlaid on the right side of the image.

**Strawbale Artist Studio
Tasmania, April 2014**



Strawbale, Stone & Cob – Murrnong Farm, VIC



Cob – Earthen Ripples, The Ottways





**Cob @
Agari Farm**





Rammed Earth



Light Earth – Henderson Clayworks





Hempcrete – Hemp fibres with a lime binder