

Designed by architect Alejandro Zaera, who is also known for projects such as the Yokohama International Port Terminal in Japan, the Bamboo House showcases how Onyx Solar's innovative ...

This thesis report analyses and calculates the stress and deformation on these reinforced bamboo beams when used as a roof structure for a solar cell power charging station in Southeast Asia.

Integrates locally sourced bamboo flooring with modern insulated panels for enhanced thermal performance. Features a curved roof design that facilitates rainwater drainage and improves natural ...

Building Integrated Photo Voltaic (BIPV), as the name suggests, is the technology that deals with integrating the Solar Photo Voltaic panels into building

The Lamboo Studio Project is a small solar powered studio that uses a radical S-shaped roof system to help keep the home cool in the summer and warm in the winter - all made possible by...

Solar bamboo roofs, a remarkable blend of traditional materials and modern technology, offer a sustainable and aesthetically pleasing solution to harnessing the power of the sun.

Learn how to create an eco-friendly porch roof with bamboo in this step-by-step guide. Sustainable building made easy!

the house features two curved roofs and a solar-facing wall which are clad with photovoltaic panels that can generate enough energy to sustain the house, and potentially sell back ...

Elevated on stilts, the use of bamboo and solar energy in these modular structures addresses urban flooding challenges while fostering community resilience through shared living spaces.

Bamboo roofs are an eco-friendly and sustainable way to provide shelter from the wind, sun, and rain. But how do they perform, how do you install them, and can you use them on pergolas? ...

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