DESIGNING FOR ENERGY







COMMUNITY BUILDING AS IDENTITY



A typical home in Marou Village



Fijian architecture



The building design is inspired by local architecture, including traditional Fijian structures with curved roofs and simple coastal buildings. The curved shape at the top is made concave to help the solar panel roof capture sunlight more effectively.

Fish storage building resonates with local home architecture



Colored Solar Panel

This type of solar panel is chosen based on the effectivity and aesthetic considerations. It can produce 55%-95% from standard solar panels using glass color integration with 20-25 years lifespan. It only has around 10% loss of power from the solar module and considered effective.



Photonic pigment on solar PV

Colored front encapsulant Solar cells & connectors Back encapsulant (black) Backsheet or glass Frame







