

FLORA LOMA

Designed to meld into the environment, our design concept is rooted in the natural flora of the island. It reflects elements of nature in both its purpose and appearance, aiming to blend into the landscape with minimal visual disruption. The pavilion organically integrates the energy collection and water harvesting systems.

Five large palm leaf-like structures are arranged in a circle, surrounding and supporting a flat, circular roof, forming a pavilion that is approximately three (3) meters in height by 10.5 meters diameter, creating approximately 85 square meters of shaded space for recreation, fellowship, and outdoor education.

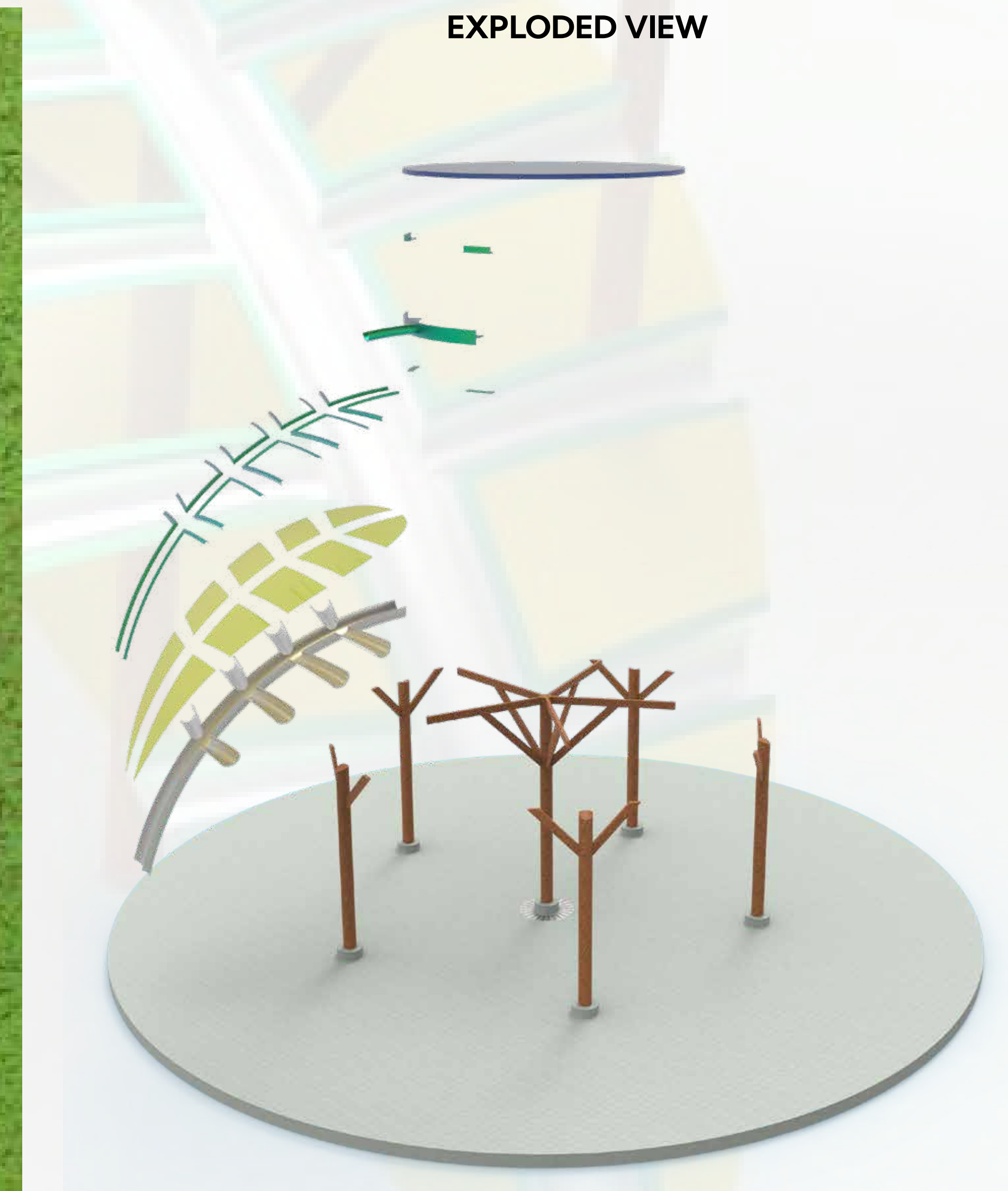
Just as a leaf generates its energy through the absorption of sunlight, Photovoltaic Thin-Film Non-Silicon solar panels are installed on the structure, generating constant, reliable energy that flows to the homes and establishments of the village, while storing excess energy in a battery.

The foundation of each leaf is a prefabricated stainless steel frame, forming the channels through which rainwater flows. Between each channel is space that holds a framed, colored, semi-transparent panel, forming a solid structure.

Loma means "center" or "interior" in Fijian, and it also implies sanctuary



EXPLODED VIEW



Each leaf structure modular, allowing parts to be easily interchanged.