

INSTALLATION DESCRIPTION

The building incorporates sustainable materials such as recycled sawn timber and metal roofing. The open modularity in Fijian village life mirrors the adaptability of communal spaces, which change according to the evolving needs of the community. Rooftops with gentle slopes are equipped with solar panels that harness energy, while the same angles facilitate the effective collection and storage of rainwater in concealed tanks, promoting sustainable resource management.

The lamellas provide shading, bracing, and decorative qualities, with vibrant red, yellow, green, and blue surfaces that reflect the colorful vernacular of Fijian markets. This vivid palette celebrates local identity, making the project visually striking and culturally grounded, while enhancing its presence in the landscape.

Opting for recyclable metals, and low-impact foundations such as ground screws helps minimize the carbon footprint associated with the building process.

The installation utilizes solar photovoltaic (PV) panels that are positioned on north-facing roofs with a 12° incline, optimized to harness Fiji’s abundant solar energy. Given the islands’ location just south of the equator, this orientation and gentle tilt angle ensure efficient year-round solar exposure, as the sun shines at a steep angle from the north for most of the year. Each triangular module is specifically designed for efficient orientation and effortless assembly, utilizing lightweight yet durable materials. The market stalls feature a rainwater harvesting system that directs water from the rooftops into underground cisterns, serving as a backup supply for agricultural and communal needs.

