

Loma Shade

Drable, Elegant and Rooted in place

The main shell for the structure is to be made of 5053 marine grade aluminum with wings stretching out beyond the main body. These wings will house the solar panels. Access to collected energy and water will be found inside the Loma Shade.

The size is 5.2 meters tall with an entrance of just above 2 meters. The total wingspan is 12.9 meters The length is 17.5 meters

For solar, the total area for solar arrays is 65.3 sqm or 702.88 sqft. This creates an estimated 115 kW of pure solar energy that will be stored in the Loma Shade's body.

Our system can collect approximately 20,000 liters of water annually, providing an additional water resource for greywater use, irrigation, or basic filtration. All water flows to a low maintenance gravity fed filtration system for basic filtering. This is easy to maintain and easy for those with rudimentary knowledge to handle and care for.

Construction for this will be 5053 aluminum panels with concrete posts holding the structure in place.

