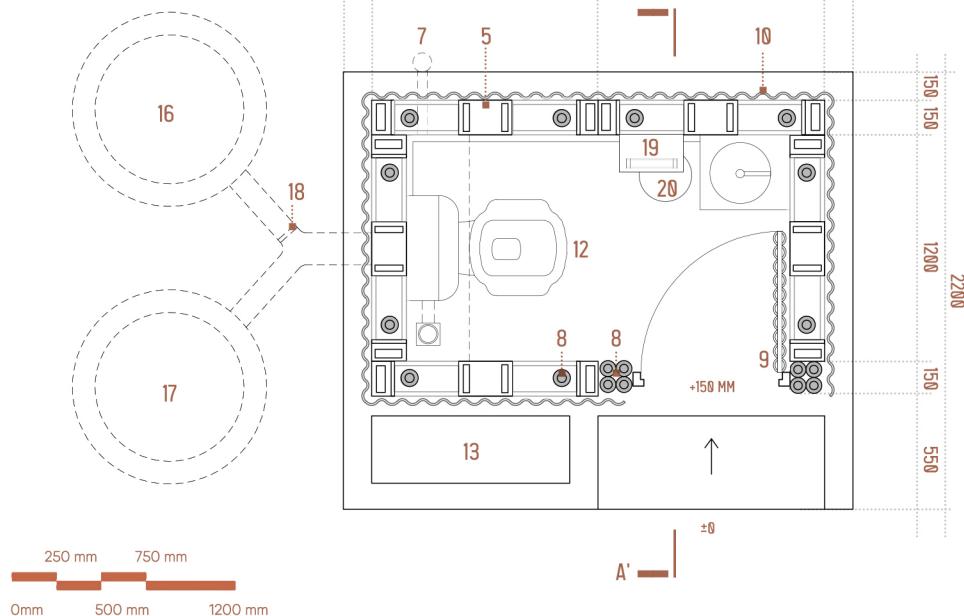
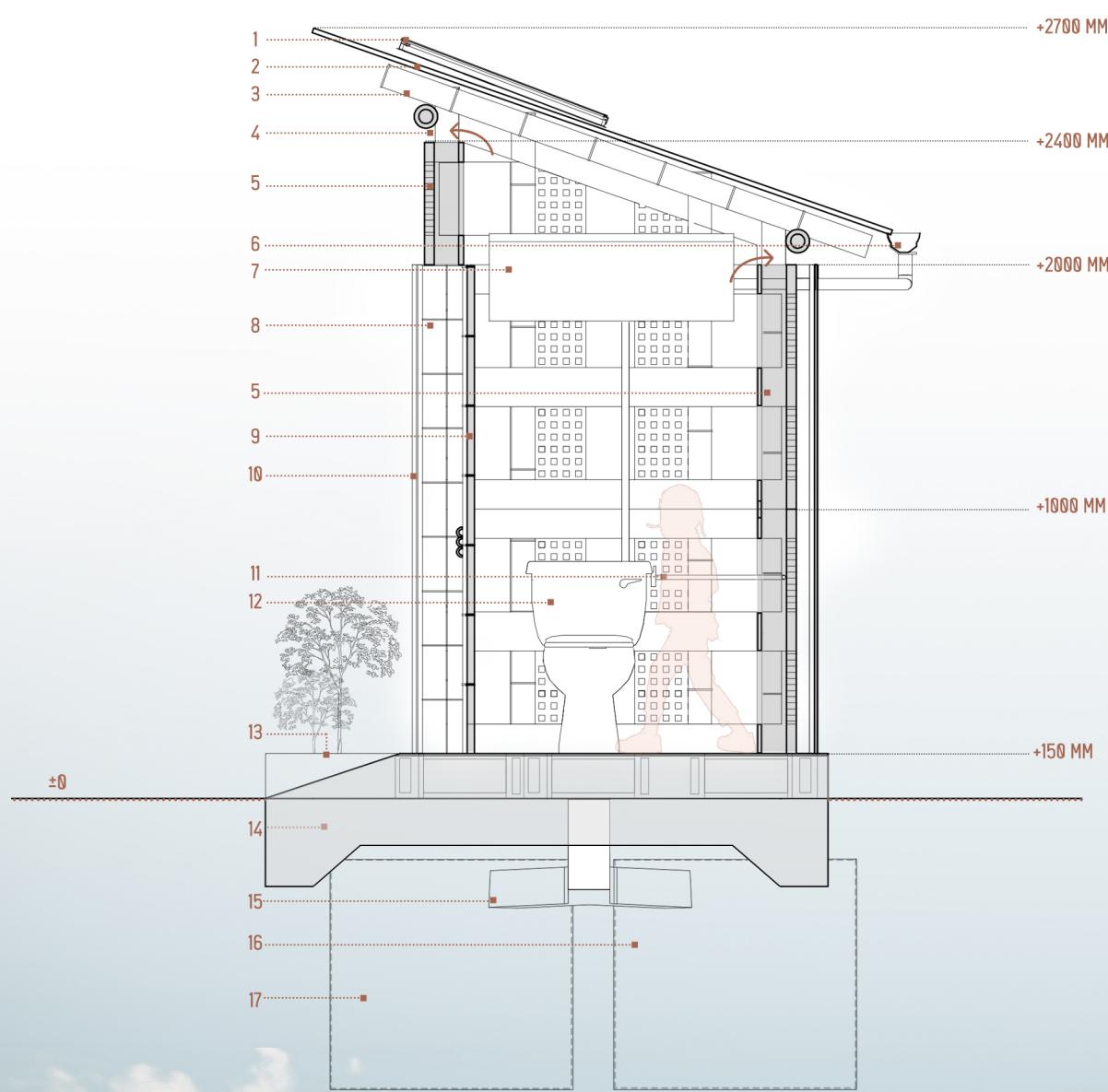


DETAILED PLAN



DETAILED SECTION



SOCH' Plastic Toilet

Of the 6.3 billion metric tons of plastic waste created historically as of 2015, only 9% has been successfully recycled. Of what remains, 12% has been incinerated into the air, and 79% has accumulated as landfill or spread as trash across oceans and landscapes. Compounding this problem, international manufacturing and low transportation prices have grown a massive global waste trade industry. Plastic waste is dispatched from the world's largest economies and makes its way to countries with lax regulations where it has devastating effects on public health and the environment. Despite local attempts at recycling, the problem of plastic waste is global in scale.

How can the Soch' Plastic Toilet address the international state of plastic in a single locale?

With this question in mind, this proposal invokes an easily recognizable symbol of our global exchanges: the international plastic pallet. Its life cycle spent in transit, the pallet is put to use shipping other plastics around the globe. As a structural object and as a literal representation of waste trade, the project's use of the pallet avoids common tendencies to aestheticize plastic waste itself. Rather than producing an amalgamated form made from waste or a highly refined construction product made from recycled content, we choose to approximate between these two extremes.

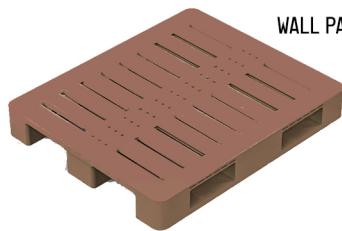
KEYNOTE LEGEND

- 1 SOLAR PANEL
- 2 CORRUGATED METAL ROOFING SHEET
- 3 BAMBOO RAFTERS 3 INCHES
- 4 AIR VENT
- 5 RECYCLED HOPE PALLET STRUCTURE
- 6 GI GUTTER
- 7 WATER TANK (RAIN WATER HARVESTING TANK)
- 8 BAMBOO COLUMN
- 9 BAMBOO DOOR
- 10 RECYCLABLE CORRUGATED PLASTIC RAIN
- 11 WASH BASIN GREY WATER
- 12 SUSTAINABLE ECO GREEN TOILET
- 13 GREEN BED (LEMON GRASS)
- 14 CONCRETE CURB/SLAB
- 15 DRAIN
- 16 LEACH PIT 1 (5 YEARS- CONVERTED INTO MANURE)
- 17 LEACH PIT 2
- 18 GRILL (BLOCK)
- 19 SANITARY PAD DISPENSER
- 20 DUSTBIN





RECYCLED HDPE PLASTIC PALLET & RAIN SHELL



RECYCLED PLASTIC PALLET INFORMATION

Recycled HDPE plastic pallet
1200(L)X1000(W)X150(T) mm (Standard)
2200kg static load
1200 dynamic load
11 PALLETS PER TOILET

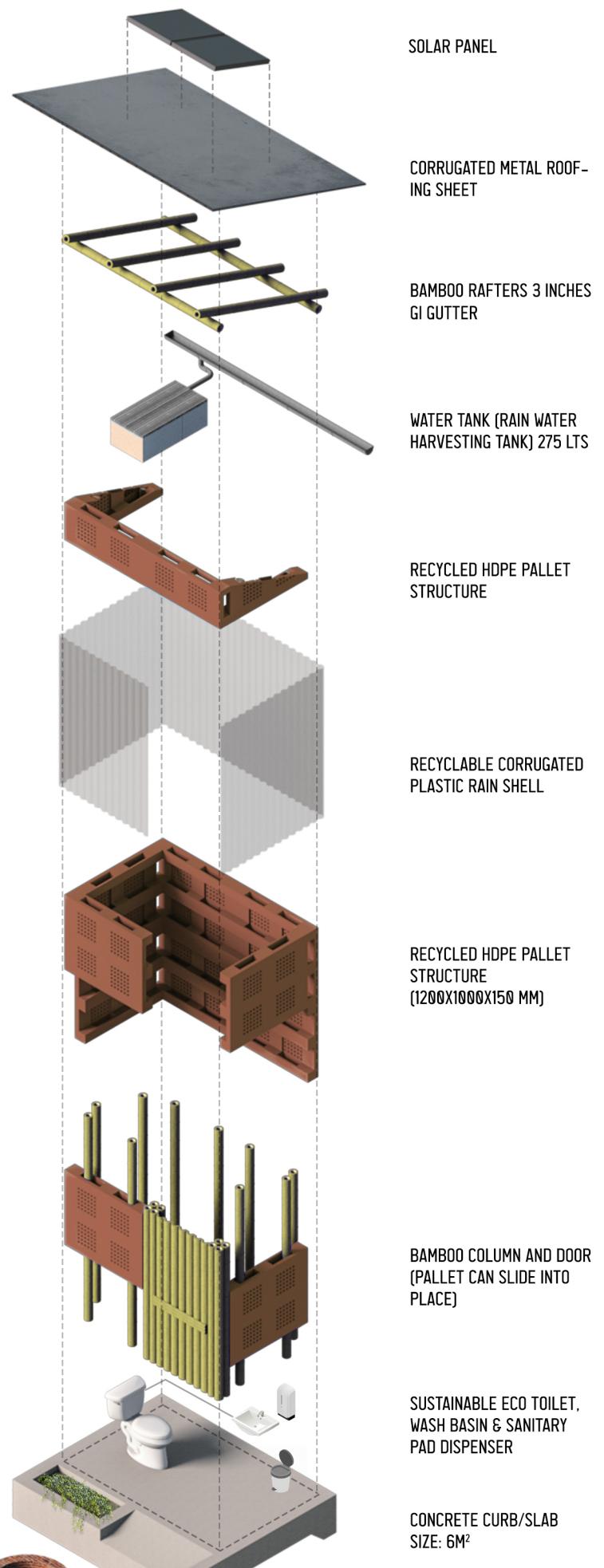


TRANSLUCENT RAIN PANEL

Recyclable corrugated plastic panel
2000X7200 MM
Rain/weather proof
Sufficient Day light
1 SHEET PER TOILET

BASE MODULE

AREA : 4 M²



WHY SOCH'?

Around 23 per cent of rural schools have unusable toilets and 11.5 per cent have no separate toilets for girls. Soch tries to address this issue with a low cost sustainable approach. An inexpensive and easy-to-operate alternative to traditional waste disposal, this Eco-friendly toilet is a great way of meeting new Sustainable Development Goals while supporting the Indian government's vision of a cleaner, healthier society.



SUSTAINABLE



ECO-FRIENDLY MATERIALS



SPEED OF BUILD



COST-EFFECTIVE



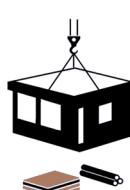
REUSE/RECYCLABLE



DURABLE



QUALITY CONSTRUCTION



PRE-FAB CONSTRUCTION



SOCH'

COSTING ESTIMATE
22500 INR

SHAUCH BADLO APNI SOCH' BADLO