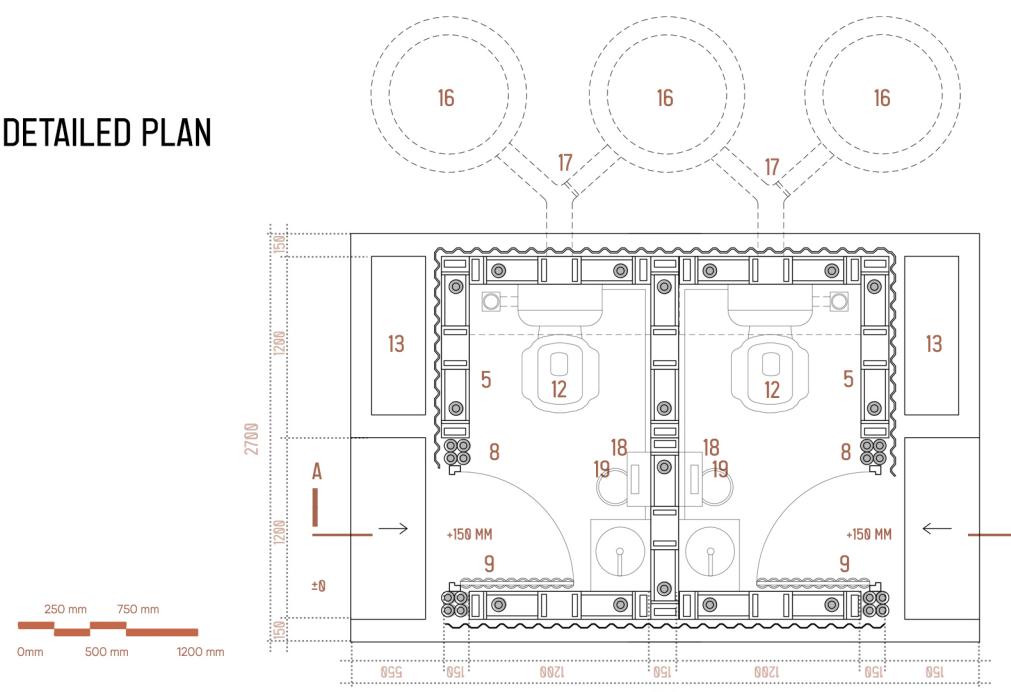
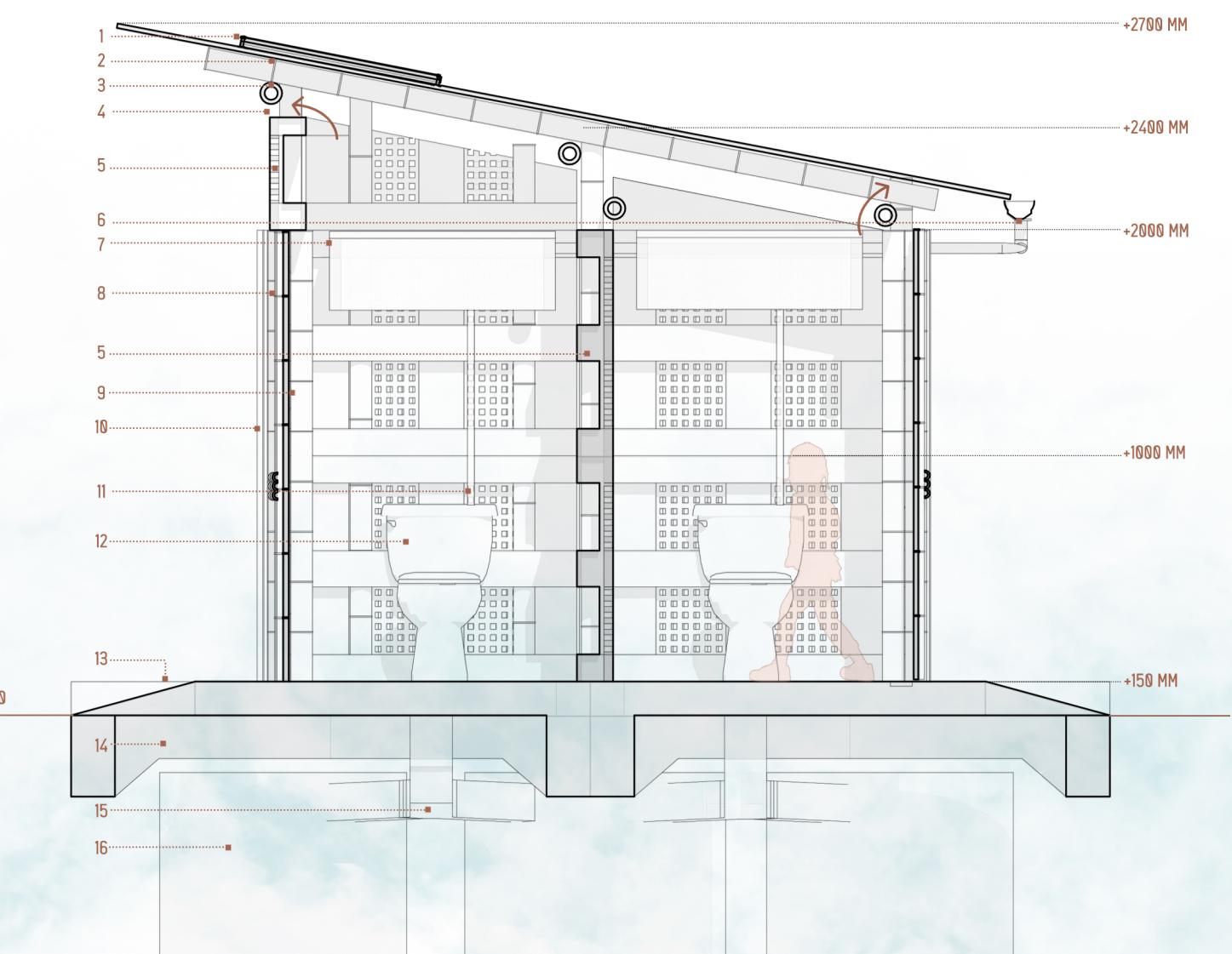


DETAILED PLAN



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

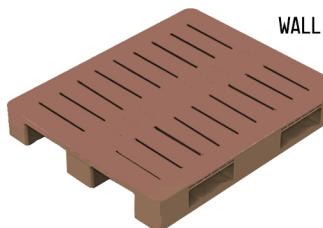
- 1 SOLAR PANEL
- 2 CORRUGATED METAL ROOFING SHEET
- 3 BAMBOO RAFTERS 3 INCHES
- 4 AIR VENT
- 5 RECYCLED HDPE PALLET STRUCTURE
- 6 GI GUTTER
- 7 WATER TANK (RAIN WATER HARVESTING TANK)
- 8 BAMBOO COLUMN
- 9 BAMBOO DOOR
- 10 RECYCLABLE CORRUGATED PLASTIC RAIN
- 11 WATER PIPE
- 12 SUSTAINABLE ECO GREEN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





RECYCLED HDPE PLASTIC PALLET & RAIN SHELL

BASE MODULE AREA : 7 M²



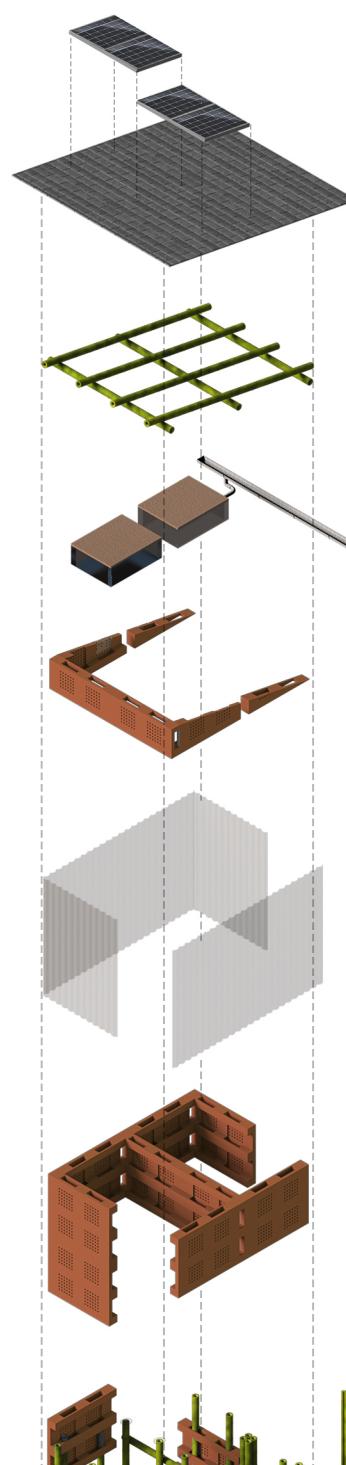
RECYCLED PLASTIC PALLET INFORMATION

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



TRANSLUCENT RAIN PANEL

Recyclable corrugated plastic panel
9000X2000 MM
Rain/weather proof
Sufficient Day light
1 SHEET PER TOILET



SOLAR PANEL
1800 INR

CORRUGATED METAL ROOF-
ING SHEET
1600 INR

BAMBOO RAFTERS 3 INCHES
800 INR

GI GUTTER + FIXTURES
750 INR

WATER TANK (RAIN WATER
HARVESTING TANK)
275 LTS EACH
2000 INR

RECYCLED HDPE PALLET
STRUCTURE

RECYCLABLE CORRUGATED
PLASTIC RAIN SHELL
2500 INR



SUSTAINABLE



ECO-FRIENDLY MATERIALS



SPEED OF BUILD



COST-EFFECTIVE



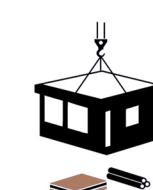
REUSE/RECYCLABLE



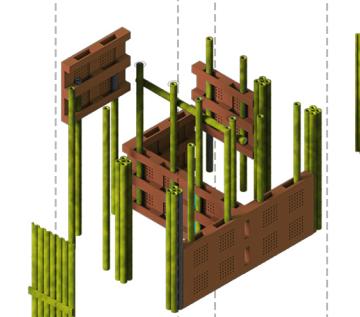
DURABLE



QUALITY CONSTRUCTION



PRE-FAB CONSTRUCTION



BAMBOO COLUMN AND DOOR
(PALLET CAN SLIDE INTO
PLACE)

3000 INR

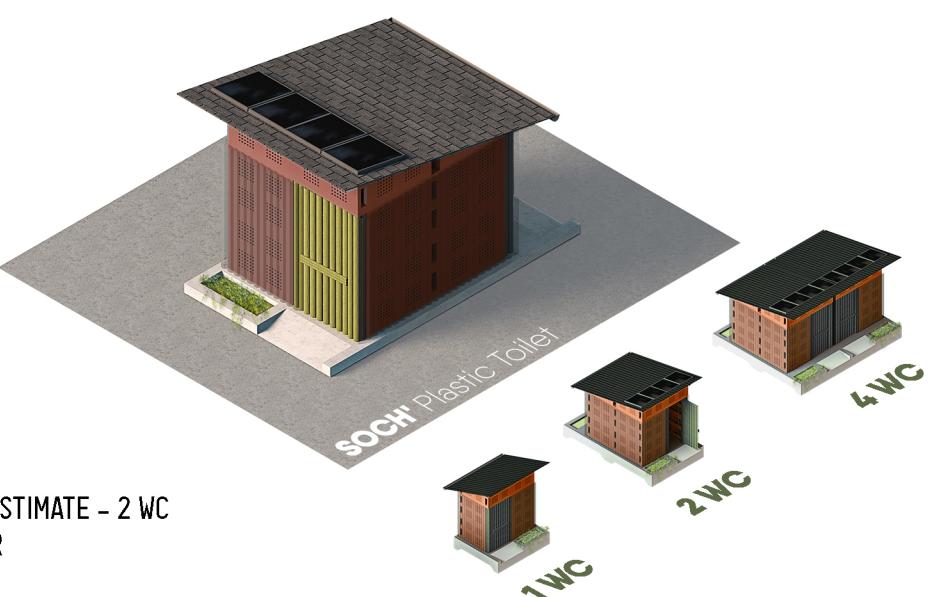
*WOODEN LOGS OR STEEL FRAME CAN
BE USED AS ALTERNATIVE TO BAMBOO

SUSTAINABLE ECO TOILET,
WASH BASIN, SANITARY PAD
DISPENSER & DUSTBINS

12000 INR

CONCRETE CURB/SLAB
SIZE: 6M²
2000 INR

DRAIN & LEACH PIT
(DIA: 1MTS, HEIGHT: 1MTS
3000 INR



SOCH'

COSTING ESTIMATE - 2 WC
38500 INR

