THE GRID
THE ADAPTABILITY

THE VOID IN BETWEEN
1. make sure each unit stands on their own, no shared elements causing trouble
2. natural ventilation

OPERATION METHOD

grid of unit lighting connection on the upper floors vertical access fill in workshop skylight fragment diversify the configuration the shed, workshop, other public functions, access, yard, as a whole
1. Electricity
2. Water supply
3. Sewage water
4. Metal precast in beam
5. Outside wall made by cement block
6. Inner wooden wall

1. Wet zone - sewage & water supply
2. Dry zone - electricity
3&4. Flexible zone for future change

A plate to cover the holes for easy maintenance

DETAIL BEAM CONNECTION 1:5

1. Electricity
2. Water supply
3. Sewage water
4. Metal precast in beam
5. Outside wall made by cement block
6. Inner wooden wall

DETAIL ROOF 1:10

1. Wire mesh
2. Gutter
3. Drainage pipe

DETAIL PLAN VIEW 1:10

1. Wire mesh
2. Sewage pipe connection
3. Wooden plate covering the void

TECHNOLOGY OF HOUSING UNIT
PHASING
FROM INTERIOR WORKSHOP TO OUTDOOR VOID

A whole free interior space

each unit stands on its own on ground level

wooden elements
convenient for assembly and recycling

1. precast concrete beam
2. connect main wooden beam
3. connect secondary wooden beam
4. slab
5. workshop skylight

metal bolts precasted along with the concrete beam
PHASING
FROM VOID TO ARCHITECT’S INTERVENTION

rigid and static exterior void
stimulate social life through reshaping space

program composition

workshop
1200 m²
20%

housing
2400 m²
40%

public functions
1800 m²
30%

unfinished space
800 m²
10%

workshop
600 m²
5%

housing
3000 m²
50%

public functions
2700 m²
45%

unfinished space
300 m²
5%
1F - 3F
Spontaneous housing infillment

2F
Housing slab & Street for Connection

1F
Workshop skylight & Vertical Access

1F
Housing slab & Street for Connection

GROUND FLOOR LAYOUT
Small pieces

SKELETON of
Housing Units & Public Services

GROUNDED SOCIAL SPACE EMBEDDED