NeighbourFOOD

Raising food awareness in the future city

Drawing Booklet
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The form of the building emerged from the traditional block which is evident in the area but another reason to do so was in order to create different levels of privacy and collectivity. The building follows the perimeter of the plot.

The street side of the building takes a more public character by creating a public plinth, to connect the building better with Sarphatistraat.

To create a connection with the water, the closed block opens up in that side.

The building façades are getting slanted a little in order to accentuate the view-lines from the street side.
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Masterplan 1:1000
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Urban Plan 1:500
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Southeast elevation 1:200
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Northwest elevation 1:200
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Northeast elevation 1:200
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Southwest elevation 1:200
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Building organisation
Laundry & storage space

Community kitchen
Bio-Local Supermarket

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Plinth-Deck level
1:200
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Public amenities

Collective courtyard
- Weekly market

Public plinth
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First level
1:200
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Second level
1:200
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Third level
1:200
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Fourth level
1:200
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Fifth level
1:200
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Roof level
1:200
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Building section A-A'
1:200
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Building section D-D'
1:200

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Building section D-D'
1:200
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Food production

Collective roof garden

Collective growing buckets

Aeroponics greenhouse

“Green” public plinth
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**Ground floor level apartment 90m2**

1:100

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**Numeric data**

- Amount of dwellings in the building: 10
- Size: 90m2
- Household: 2-person household
- Outdoor space: Back side garden
- Entrance: Plinth and deck level
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First level apartment 72m²
1:100

Numeric data
Amount of dwellings in the building: 12
Size: 72m²
Household: 2-person household
Outdoor space: Balcony
Entrance: Gallery
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Second level apartment 63m²
1:100

Numeric data
Amount of dwellings in the building: 12
Size: 63m²
Household: 2-person household
Outdoor space: Balcony
Entrance: Gallery
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Third level studio 54m²
1:100

Numeric data
Amount of dwellings in the building: 12
Size: 54m²
Household: 1-person household
Entrance: Gallery
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Fourth and fifth level studio 45m²
1:100

Numeric data
Amount of dwellings in the building: 18
Size: 45m²
Household: 1-person household
Entrance: Gallery
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Wheelchair-friendly apartment 60m²
1:100

Numeric data
Amount of dwellings in the building: 26
Size: 60m²
Household: 2-person household
Outdoor space: Balcony
Entrance: Gallery
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Wheelchair-friendly apartment 90m²
1:100

Numeric data
Amount of dwellings in the building: 8
Size: 90m²
Household: 2-person household
Outdoor space: Balcony
Entrance: Gallery
BUILDING TECHNOLOGY
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Horizontal facade fragment H-H’
1:40
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Horizontal facade fragment H-H’
1:40
- timber construction bracket
- ceiling wooden cladding, 20mm
- horizontal timber battens, 28mm
- multiplex boarding, 15mm
- CLT floor element, 160mm
- PIR insulation, 80mm
- substrate layer, 20mm
- recycled plastic tiles
- air cavity with vertical timber battens structure, 40mm
- water drainage pipe
- timber batten, 20mm
- water drainage pipe
- fine gravel, 70mm
- earth, 85mm
- multiplex boarding, 15mm
- timber battens, 50mm
- water drainage pipe
- multiplex boarding, 15mm
- air cavity with vertical timber battens structure, 40mm
- substrate layer, 20mm
- recycled plastic tiles
- coarse gravel, 50mm
- drainage layer, 20mm
- fine gravel, 70mm
- earth, 85mm
- concrete floor slab, 220mm
- air cavity with floor carrier system
- timber batten, 20mm
- wooden decking finish, 20mm

- concrete floor slab, 220mm
- vapor barrier layer
- acoustic insulation, 20mm
- cement screed floor with floor heating, 50mm
- floor finish, 30mm

- waterproof tight rubber layer

- cast in-situ concrete wall
- CLT wall element, 60mm
- vapor barrier layer
- PIR insulation, 120mm
- drainage pipe
- multiplex boarding, 18mm
- air cavity, 23mm
- horizontal timber battens, 30mm
- wooden facade cladding, 20mm

Solar Innovations aluminium folding door system
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Climate design
Water management
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Climate design
Ventilation system
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Climate design
Heating system

heat-cold water storage system
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Building construction system

Top levels
- CLT panels construction

Ground floor
- concrete ‘table construction’
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Building construction system
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Building construction system
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Building construction system
Step 1.

Construction of load bearing CLT elements (partition walls, floors and gallery floors.)
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Building construction system

Step 2.
Positioning of the façade’s prefabricated CLT panelling.
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Building construction system

Step 3.
Mounting of the wall’s insulation onto a timber batten construction.
Step 4.

Placing of the prefabricated folding door element together with the ventilation grille system.
Step 5.
Assembling of horizontal and vertical timber battens on which the facade cladding will be mounted.
Step 6.
Mounting of wooden panelling (cladding) on the timber construction.
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Building construction system

Step 6.
Placing of the front door frame.
Impressions
Model Photos