Exterior circulation

Pedestrians

Bicycles

Automobiles

THE PERMEABLE BLOCK

01 / Overall plan in context

P5 Presentation | 25 June 2013 | At Home in the City: Amsterdam
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Ground floor / Scale 1:500

East-West section / Scale 1:500

North-South section / Scale 1:500

Unfolded facade; exterior side / Scale 1:500

Unfolded facade; interior side / Scale 1:500

Interior circulation

Private

Collective

Private space / Collective space

Green spaces

Introverted area

Public circulation

Extroverted area

Block alignment

Commercial / Cafe - Restaurant

Workshop / Small business

Social / Kindergarten

Installations / storage

Circulation

Dwelling connected to workshop

Dwelling in G.Floor; double orientation & terraces

Dwelling with one facade orientation

Dwelling with two facades orientation

Apartments

Collective terraces

Private terraces

Program & building typologies
1.- ROOF:

2.- GREEN ROOF:

3.- WOODEN ROOF:
Wooden platforms of 1x1m², created by wood pieces of 20cm width and wooden support structure. Supporting plots for making the wooden plates horizontal. Waterproof asphaltic layer with a quarter pipe support and overlapped reinforcement layer on corners. Thermal insulation. Light concrete with gradient for water evacuation.

4.- INSIDE FLOOR:
Marble or stone tiled floor. Regularization concrete layer, with floor heating included separated 30cm from the walls to leave space for other installations. Structural concrete floor. Plaster finishing and paint.

5.- BRICK FACADE:
80mm clinker facade brickwork on steel brackets. 25mm ventilation cavity. Wind proof membrane. 100mm thermal insulation. 80mm sand-lime brickwork. Internal plaster finish and paint.

6.- DEAF FACADE:
Internal single glass mounted on aluminium frames. 1.35m wide. Breathing grill on the upper part to allow ventilation in summer. This internal glazing needs to be removable for cleaning and maintenance. Horizontal grills for vertical ventilation between the two layers of glass during summer. Fixed vertical blades made of aluminium with a hard anodized dark grey finishing, supported by “L” steel profiles. These blades will have a width of 1/3 of its separation to the next blade.

7.- BALCONIES:
Concrete pre-fabricated balconies of 2.7x1.35m, with a tapered profile and included gradient for water evacuation and a small gutter on its lower outer edge to avoid water spills on the lower floor. Attached to the main structure by steel profiles with a 5cm insulation layer in between. Elevated wooden floor platform. Railings made out of security glass mounted on T.I.G. welded “L” steel profiles, attached to the concrete balcony and to the brick facade.

8.- WINDOWS/OPENINGS:
Double glazed windows/doors, with aluminium frames. Located in the cavity between the two layers of brickwork. Steel plates on top of the frames to support the facade, finished with paint. All windows/openings with no balcony on top will have foldable wooden louvres system on the outer side.