the urban foodcycle
the public realm graduation studio Rotterdam  
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ps presentation  
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scale 1:5  

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**Detail 3v**
- **Facade:**
  - Prefab concrete wall, 100 mm, RAL 8013;
  - Steel window frame, Jansen, 2000x2100 mm, RAL 8017, opens inward;
  - Solar thermal collector (perforated steel cladding on a flat plate collector, 80x1000x2000 mm, RAL 8017);
  - Steel profile connected to floor;

- **Floor:**
  - Re-used wood slices, in resin tiles, 900x900 mm;
  - In-situ concrete, 208 mm;
  - Shuttering plate floor, 80 mm;
  - Lighting;
  - Suspended ceiling, perforated steel, RAL 1000;

- **Suspended Ceiling:**
  - Perforated steel, RAL 1000

- **Glass laminated balustrade:**
  - Attached to the floor with steel profiles;

- **Facade:**
  - Steel window frame, Jansen;
  - Steel suspended construction, attached to floor

**Detail 4v**
- **Facade:**
  - Frameless insulated glass, attached to laminated glass columns every 1800 mm;

- **Floor:**
  - Epoxy floor 80 mm;
  - In-situ concrete, 268 mm;
  - Shuttering plate floor, 80 mm;
  - Castellated steel beam, HEA100;
  - Suspended ceiling, perforated steel, RAL 1000

- **Roof:**
  - Concrete tiles, 30 mm, RAL 1000;
  - Insulation, 80 mm, with waterproof layer;
  - In-situ concrete, 128 mm;
  - Shuttering plate floor, 80 mm;
  - Suspended ceiling, perforated steel, RAL 1000

- **Roof:**
  - Insulation, 100 mm;
  - In-situ concrete, 128 mm;
  - Shuttering plate floor, 80 mm;
  - Suspended ceiling, perforated steel, RAL 1000

**Detail 5v**
- **Facade:**
  - Frameless insulated glass, attached to laminated glass columns every 1800 mm;

- **Floor:**
  - Epoxy floor 80 mm;
  - In-situ concrete, 208 mm;
  - Shuttering plate floor, 80 mm;
  - Castellated steel beam, HEA360;
  - Suspended ceiling, perforated steel, RAL 1000

- **Roof:**
  - Concrete tiles, 30 mm, RAL 1000;
  - Insulation, 130 mm;
  - Drainage layer, Optigreen type Perl 8/16;
  - Root resistant layer;
  - Separating and protecting layer;
  - Roofing, root resistant;
  - Insulation, 100 mm;
  - In-situ concrete, 268 mm;
  - Shuttering plate floor, 80 mm;
  - Suspended ceiling, polycarbonate, RAL 1013;
  - Glass laminated balustrade, attached to the floor with steel profiles;

- **Facade:**
  - Solar thermal collector (perforated steel cladding on a flat plate collector, 80x1000x2000 mm, RAL 8017);
  - Steel profile connected to floor;
  - Steel window frame, Jansen, 2000x1800 mm, RAL 8017, opens inward;

  **Smart box for climate control (ventilation, heating, cooling, humidity)**
detail 5/6h
concrete column, 600x600 mm;
facade:
frameless insulated glass, attached to laminated glass columns every 1800 mm;
floor finish:
concrete tiles, RAL 1000

facade:
glass laminated prestressed lamellas, 30 x 890 mm, Metaglas, connected to a motor for rotating;

detail 2h
facade:
steel window frame, Jansen, 2000x1800 mm, RAL 8017, opens inward;
steel profiles, connected to window frames/floors
floor finish:
re-used wood slices, in resin tiles, 900x900 mm

detail 1h
facade:
steel windowframe, folds inward (8 elements per grid), 900 mm wide per element
floor finish and pavement:
concrete tiles, 300x300 mm