Level 0
1:500

1. Storage
2. Installations
3. Parking
4. Entrance by escalator and stairs for visitors
5. Entrance for employees
6. Factory hall
   a. Supply by trucks
   b. Transport of plastic by a crane track
   c. Processing of plastic (PETE, HDPE, PP)
      - shredders (3,2x2,8x2,95)
      - washing tanks (2,8x5,8x3,2)
   d. Elevator; transport of plastics to next level
   e. Storage of plastic
   f. Storage of factory equipment
   g. Installations
7. Cantine & dressing rooms employees
Level 1
1:500

1. Stairs & escalator
2. Museum shop
3. Storage museum shop
4. Kitchen
5. Restaurant
6. Void, vertical connection
7. Library
8. Factory hall
9. Offices
10. Bike storage
1. Entrance to the inner street
2. Ticket/information desk
3. Wardrobe
4. Lockers & Toilet
5. Museum Hall Informative
6. Museum hall Exhibition of recycled plastic products
7. Roof terrace
8. Factory quadrant
   a. Plastic transport from lower level
   b. Processing of plastic
      - Extruders (3.1x1.4x2.6)
      - Granulators (1.2x1x1.6)
   c. Elevator
   d. Office
   e. Control room
1. Museum hall Experiencing
2. Museum hall Exhibition of recycled plastic products
3. Roof terraces as extension of the exhibition space
4. Factory quadrant
   a. Office space
   b. Visible construction of beams and columns
5. Tri truss roof structure
1. Museum hall Exhibition of recycled plastic products
2. Museum Hall "Do it yourself"
3. Roof terraces as extension of the exhibition space
4. Walking bridge to connect the 2 museum quadrants
5. Transport of granulate from factory to museum
6. Factory quadrant
   - Injection molding machines
   - Workspaces to make recycled plastic products
7. Roof landscape of the new hall with skylights
1. Existing stepped roof landscape
2. Roof landscape of the new hall with skylights
3. Lookout tower for a view on the roof landscape
Factory Quadrant
Level 2
1:300
Facades

South East facade | 1:200

South West facade | 1:200
Tri truss construction
Construction of the new walking bridge and transport bridge on level 4
Detail A (1:10)

- Anchor
- Thermo element
- Glasswool insulation
- Vertical profile
- Adhesive system
- Glass fibre concrete panel

VECO-A-L, bracket slide point
"", bracket fix point
Self drilling screw
Vertical aluminium substructure with L- and T-profiles and adhesive system (VECO-A-1030)

Facade
Glassfibre concrete panels

Vertical section
Vertical aluminium substructure with L- and T-profiles and adhesive system (VECO-A-1030)
Anchor
Thermo element
Glasswool insulation
Vertical profile
Adhesive system
Glassfibre concrete panel

Existing concrete facade
Anchor
Thermo element

Glasswool insulation (1500)
Self drilling screw
Bracket fix/slide point
Vertical profile
Adhesive system
Glassfibre concrete panel
Standard unit Fragment | Facade elements
Facade fragments 1:100
Plastic Tiles Factory Hall
Detail 1 (1:10)

Roof edge and window frame

- VECO-A-L, bracket fix point
- Bracket slide point
- Self drilling screw
- Anchor
- Thermo-element
- Glasswool insulation
- Vertical profile
- Adhesive system
- Glass fibre concrete panel
- Toplayer roof covering
- Water-retaining layer
- Insulation (150 mm)
- Vapor barrier layer
- Insulation
- In het werk gestorte deklaag
- Floor panels Vloerpanelen
- CD-profile
- Pipe supply air (ventilation)
- Uponor Renovis paneel
- With Uponor Minitec Comfort Pipe leiding (9.9 x 1.1 mm)
Detail 3 (1:10)

Roof edge and skylight with gutter

- Toplayer roof covering
- Water-retaining layer
- Insulation on a slope (150 mm)
- Vapor barrier layer
- Existing concrete floor
- CD-profile
- Pipe supply air (ventilation)
- Climate ceiling
- Uponor Renovis panel (9.9 x 1.1 mm)

- VECO-A-L, bracket fix point
- VECO-A-L, bracket slide point
- Self drilling screw
- Anchor
- Thermo element
- Glasswool insulation
- Vertical profile
- Adhesive system
- Glass fibre concrete panel
Detailing New hall
Detail 5a (1:10)
New hall and 'closed' existing facade
Detail 5b (1:10)
New hall and 'open' existing facade
Detail 5c (1:10)
New roof and gutter system
Detail 7 (1:5)
Roof edge new hall

- Aluminium roof cover
- Triplex 20mm
- Plate material
- Vapor barrier
- Regelwerk
- Insulation
- Steel plate material
- Insulation
- Steel facade framework
- Insulation
- Insulation
- Stijl en regelwerk (grid)
- Plastic facade tiles (400x400)
- Roofing
- Insulation on a slope
- Steel roofing sheets
- HEA 180 profile
- Tri-truss structure
Facade connection new hall and existing building
Connection new hall & existing building
Route of the rainwater
Schematic principle

Solar panels on new roof.
For electricity for the machines
For the electric trucks
Machines produce heat >
Which will be collected and transferred into water which will transport the heat to the museum quadrants
Polluted air will be emitted by the chimney
Solar panels on the existing roof.
For electricity in the museum quadrants and machines in the do it yourself area
Ventilation sketches (New Hall)
Adding a gutter system between the new hall and existing building

Continuing the gutter system at the edge of the new hall
Recycling process

Sorted plastics (PETE, HDPE, PP) are imported by trucks.

The imported plastic is transported to a lower level by a crane track.

Processing of plastic by shredders, washers and dryers.

The plastics are transported by a lift to level 2.
Processing of plastic by extruder- and granulator machines

Granulate is transported through the void to level 4
New recycled plastic products are made