HOUSE OF CIRCULARITY

PARK POMPENBURG

DRAWINGS

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xDComain Lab | City of the Future
HOUSE OF CIRCULARITY

turning Pompengberg into a hub for interaction
A PUBLIC CONNECTOR

the plateau as a multi level public connection

- steel truss coated (60 min fire resistance)
- integrated irrigation system
- triple glazed curtain wall
- double T concrete floor
- stone tiles 500x500x30 mm
- soil package 90 mm
- hollow core floor slab 200 mm
- modified steel I beam
- concrete vertical support 400 mm
- concrete wall 400 mm
- rigid insulation 150 mm

FLEX WORKSPACES
CIRCULAR (EQUIPMENTS) LAB
COWORKING SPACES
ENTRANCE HALL
MECHANICAL SPACE / STORAGE
PARKING
PARKING
stone tiles 500x500x30 mm
framework raised computer floor system
demountable hollow core slab 300 mm
galvanized steel mesh 30 mm
indoor ac unit

three chamber aluminum door frame
galvanized steel mesh
rainwater drainage canal with piping to
collector tank
rigid insulation 40 mm
old train rail as siding for vegetation

stone tiles 500x500x30 mm
soil 90 mm
rootbarrier
waterproof membrane
plywood layer

concrete vertical support 400 mm
concrete wall 400 mm
shock absorbing layer
modified steel I beam
DETAIL 2
connection intermezzo truss and curtain wall with workspaces below

- integrated irrigation system
- triple glazed curtain wall
- steel truss coated (60 min fire resistance)
- steel support for curtain wall
- wooden framework 140 mm
- rigid insulation 140 mm
- plywood layer
- wooden cladding exterior ceiling finish
- aluminum frame with integrated self regulating natural ventilation system
- glass louvers for input natural ventilation with control valve
- 4581
- 305
- 153
wooden cladding finish
insulation 100 mm
integrated irrigation system
growing medium (soil)
waterproof layer
plywood 12 mm
installation space
SOLAXESS white solar panel cladding

aluminum eaves cover
wooden framework 140 mm
rigid insulation 140 mm
plywood layer
steel support for curtain wall

glass louvers for input natural ventilation with control valve
wooden cladding finishes
- insulation 100 mm
- growing medium (soil)
- waterproof layer
- plywood 12 mm
- installation space
- SOLARNESS white solar panel cladding

integrated vegetable garden (planter)
- waterproof layer
- double layer rigid insulation with slope
- plywood layer 15 mm
- demountable hollow core slab 300 mm
- wooden framework with insulation 150 mm
- wooden cladding exterior ceiling finish

wooden cladding exterior ceiling finish
- insulation 100 mm
- growing medium (soil)
- waterproof layer
- plywood 12 mm
- installation space
- SOLARNESS white solar panel cladding

DETAIL 4
connection vegetable garden and planter with cantilever
connection vegetable garden and planter with apartment below

- wooden cladding finish
- insulation 100 mm
- integrated irrigation system
- growing medium (soil)
- waterproof layer
- plywood 12 mm
- installation space
- SOLAXESS white solar panel cladding

integrated vegetable garden (planter)
- waterproof layer
- double layer rigid insulation with slope
- plywood layer 15 mm
- demountable hollow core slab 300 mm
- wooden cladding interior ceiling finish

aluminum frame with integrated self regulating natural ventilation system

interior

exterior
DETAIL 6

connection steel structure column and beam grid

- steel hea column
- shock absorbing layer
- natural tereazzo tiles 500x500x30 mm
- MERO-floor heating and cooling system
- framework raised computer floor system
- demountable hollow core slab 300 mm
- natural plywood ceiling finish
A PUBLIC CONNECTOR
the platform as a multi-level public extension
A PUBLIC CONNECTOR

the platform as a multi level public extension