The Site

The unique history and character of the city is well shown in the project site. Firstly, the city block, where the project site belongs, is one of the largest in the old city center. The block features a series of narrow alleys that lead to the spaces within the city block, which can be approached from different streets. There is also a courtyard which is now occupied for car parking.

Another distinguished character is that the site block is composed of multiple sectors proclaimed by different owners. Among the sectors are a church building complex, auditorium buildings of Antwerp University, Artes art school, and residential buildings. These sectors play different roles to bring an informal and dynamic atmosphere inside the site.
From public to public

Culture Center for Antwerp University

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first floor plan
  _ scale 1:200

second floor plan
  _ scale 1:200

section B
  _ scale 1:200

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Elevation _ scale 1:100
Exterior wall layers

Materialization part _ A

Section AA'
Section BB'
Section CC'

Horizontal section _ scale 1:50

Vertical section _ scale 1:50

1  3mm sheet-copper covering
vapour layer
300mm precast concrete
2  5mm gl. + 12mm cavity + 5mm gl.
with 32.8mm x 32.8mm x 1.4mm fixed window profile
3  5mm gl. + 12mm cavity + 5mm gl.
with 60.0mm x 78.8mm x 1.4mm openable window profile
4  100mm masonry
30mm cavity
vapour layer
80mm thermal insulation
200mm precast concrete wall
35mm x 30mm C - channel steel support scaffold
13.3mm x 2 wooden board
5  5mm gl. + 12mm cavity + 5mm gl. + 3mm cavity + 5mm gl.
with 200mm x 30mm x 2.5mm mullion system
6  150mm layer of gravel
7  3mm zinc sheet-layer
65mm screed with 15mm heating pipe
separating layer
30mm impact sound insulation
300mm hollow core concrete slab
175mm steel supporting bar scaffold
35mm wooden panel ceiling
8  15mm fumed oak block parquet
55mm screed
separating layer
30mm impact sound insulation
300mm hollow core concrete slab
9  80mm topsoil layer with planted with sedum filter mat
20mm mineral substrate as protective and drainage layer
polyethylene separating layer
welded bituminous-sheet sealing layer
240mm polystyrene rigid-foam thermal insulation
vapour barrier
300mm hollow core concrete slab
175mm steel supporting bar scaffold
25mm wooden panel ceiling
10  97mm cement screed panel
separating layer
300mm hollow core concrete slab
800mm cavity with ventilation duct
30mm supporting bar
10mm wooden ceiling panel
11  15mm wooden deck
35mm x 30mm C-channel steel supporting scaffold
vapour layer
55mm screed
separating layer
15mm screed
300mm in-situ concrete slab

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climate system

applied mechanic ventilation system with air VAV (Variable Air Volume)

applied heating system with water

applied passive sustainable climate system

section A

section B

section C

section D

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structure scheme _ scale 1:400

section A

section B

section C

section D

building A

building B

building C

building D

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