Reconnecting the Zuidas to Amsterdam

Urban regeneration: interventions in complex urban environments
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problem statement
Amsterdam Zuidas

approach, goals, location, program & intervention

overview of the urban context, the organisation of the boulevard together with the axis, square, courtyard and the building on a 1:1000 scale

level -2
- public parking garage
- ticketing machines
- service desk

the expected "effect-radius" of the building and boulevard intervention according to activity, use, organisation and routing of the north-south connection (Parnassusweg) at the Zuidas. This intervention will result in a new lively public centre and will act as a magnet for all sorts of people, places and activities.
level 5
- dwelling
- starter dwellings
- communal kitchen
- communal living room
- communal outdoor terrace

level 6 - 15
- dwellings
- studio dwellings
- communal kitchen
- communal living room
- communal outdoor terrace
level 3
- library
- collection
- study areas
- service desk
- adaptable rooms
- lounge area
- study cabins
- coffee corner, repro
- cinema
- cinema rooms
- lounge
- dwelling
- starter dwellings
- communal spaces

level 4
- library
- study areas
- lounge area
- collection
- roof garden
- repro
- dwellings
- starter dwellings
- communal kitchen
- communal living room
- communal outdoor terrace
level 1
- library
- collection
- study areas
- service desk
- adaptable rooms
- study cabins
- lounge area
- coffee corner, repro

- cinema
- cinema rooms
- lounge

- canteen
- buffet
- sitting area
- balconies

- offices VU University
- working areas
- meeting spots
- boardroom
- private rooms
- pantry, repro

level 2
- library
- adaptable rooms
- study areas
- study cabins
- lounge area
- collection
- coffee corner
- repro/pantry

- cinema
level -1
- public parking garage
- private bike parking and storage
- public bike parking repair area
- service desk/security entrance to lobby

level 0
- main entrance/lobby
- trespassing
ticket machine cinema
- library VU University
  entrance
  front office
  reading tables
  computer area
  exposition space
  adaptable rooms
  symposium area
  lecture room
  collection
  repro, pantry
- coffee shop
- offices VU University
  entrance
  front office
  waiting room
- cinema
  entrance
  ticket counter
  food & drinks counter
  waiting lounge
- restaurant
- entrances dwelling
- supermarket
main square/courtyard
Outer facades 1:200

southern facade

eastern facade

northern facade

western facade
Inner facades and sections
1:200

eastern facade & section AA

southern facade & section BB

western facade & section AA

northern facade & section BB
CROSS SECTION 1:50
entrance lobby facing library and cinema
studio

Communal terrace 70m²
Details 1:5
details taken from the section DD

section DD

planting medium height
substrate layer
protective layer
drainage system
waterproof foil
bituminous roofing
dampresistant foil
insulation 100mm
cast floor
in situ reinforced concrete
HEA 220 steel profile
UNP lowered ceiling profile
fire resistant ceiling board 3x12,5mm

triple glazed HR++ safety glass 35mm
window frame skylight
red cedar wooden planks 130mm
aluminum cover plate

Velfac Helo 200 window frame
triple glazed HR++ glazing

limestone interior wall

bituminous roofing
unidek board 18mm
insulation 100mm
unidek board 18mm
fire resistant boarding 2x12,5mm

steel beam vierendeelligger
enclosed by fire resistant boarding 2x12,5mm

lime stone interior wall
Details 1:5

details taken from the section CC

section CC 1:50

- brick
- cavity 40mm
- Koolterm K8 insulation 100mm
- concrete 500mm

- Velfac Helo 200 windowframe door
- triple glazed HR++ glazing

- Aco drain water drainage gutter
- pavement
- sand
- concrete floor (isokorf)

- nature stone threshold

- VELP lowered ceiling
- concrete floor 500mm
- Koolterm K8 insulation 100mm
- UNP lowered ceiling profile
- fire resistant ceiling board 3x12.5mm

- detail V1
- HEA 300 steel profile

- detail V2
- precast concrete purlin (Isokorf)
- protection layer
- bituminous roofing
- gravel 500mm
- felt 100x100mm

- detail V2'
- in situ casted concrete canopy

- detail V3
- triple glazed HR++ glazing
- Velfac Helo 200 windowframe door

- detail V3'
- concrete floor
- cast floor in situ reinforced concrete
- HEA 220 steel profile
- UNP lowered ceiling profile
- fire resistant ceiling board 3x12.5mm

- detail V4
- UNP lowered ceiling
- UEFA 300 steel profile

- detail V2
- detail V2'
- detail V3
- detail V3'

- detail V1
Details 1:5
details taken from the section AA

- Red cedar wooden planks balcony divider
- Red cedar wooden planks 130x28mm balcony platform
- Supportive framework
- Prefab concrete balcony (Isokor joint)
- Red cedar wooden planks ceiling 130x28mm

- Steel balustrade
  - Black, bolted

- Rainwater gutter, precasted in balcony
- Rubber distance holders

- HEA 300 steel profile

- Cast finish floor
  - In situ reinforced concrete
  - HEA 220 steel profile
  - Fire resistant ceiling board 3x12.5mm

- Plasterwork 5mm
  - Lime stone interior wall
  - Water resistant foil
  - Kooltherm K8 insulation 100mm
  - Damp resistant foil
  - Cavity (for heat exchanger)
  - Brick 100mm

- Jointer
  - Cavity closer 150mm
  - Aluminium bracket for window frame
  - Plasterwork

- Velfac 200 Helo windowframe
  - Triple glazed HR++ glazing, safety glass
  - Red cedar wooden terrace plank 130x28mm

- Prefab concrete purlin (Isokor joint)

- Rainwater drainage pipe 100mm
- Interior cover aluminium
  - Heat exchanger: breathing windows principle
  - Air in- and outlet
  - Cavity
  - Brick
  - Air inlet by opened joints
CROSS SECTION 1:50
entrance lobby facing library and cinema

Section CC 1:500

+2000mm
+13600mm
+9300mm
+5000mm
+P=0mm
+50mm
-4300mm
-8600mm
-4300mm
-8600mm