I solemnly pledge to public space

graduation presentation
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01 introduction
fascination, topic and title

02 research
summary of research and themes

03 european quarter
description of case of EUQ and analysis

04 urban strategy
statement strategy for area (not projects specific)

05 three projects
elaboration on projects and relation to strategy

06 european forum
finding architectural forms, description of design development
aim
to get an understanding of the current developments in public space
experience of a city changes from a sequence of continuous spaces ... ... to a network of nodes, connected by infrastructure.
how does that apply for the European Quarter in Brussels?
strategy

use the current possibilities (communication & infrastructure) of polycentralisation to enforce the status of the EU not as a power pyramid, but a non-hierarchical network
from flatness to a polycentral network.
Interventions

Three projects

01 Urban Boulevards
Redeveloping the section of the boulevards to make public life induce.

02 Recapturing Blocks
Enable block typology to host housing again in a quiet environment.

03 European Forum
Create a new centrality in the area that attracts a diversity of users and connects public with program.
project 01
urban boulevards
project 01

urban boulevards
project 01
urban boulevards
project 02
recapturing blocks
project 02
recapturing blocks
project 02
recapturing blocks
project 03
european forum
address the different networks of the city as layers relate to the global and local identities of its place be the epicentre of the public space network in the EU Quarter create a spatial experience of exploration reassign the traditional relation of buildings to public space (facade & street) open up to the context by relief and link to the site's connections integrate local and global identities a layered public space new centrality in the network
orthogonal program volumes, joined by public space level
strip division (20m system), varying heights according to public space program
folding public space level, triangulated surface allowing height differences to accentuate programmatic definitions
different square centralities, forming public space amphitheaters - sizes corresponding to importance
slope rationalization allows different 'splits' in surface to house programmatic facades
set of uniquely shaped (geometric elementaries) programmatic squares, program relates directly
mass based on developments of cross sections sloping downwards, the ending with a high twist
interpretation of relief, sloped so that a continuously waving route emerges
variation on downwards sloping routes; more based on relief lines
variation on downwards sloping routes; maze-like option
variation on downwards sloping routes; maze-like structure
variation on downwards sloping routes; maze-like option
**CREASE** creases and cuts in public level forming facade for commercial functions

**INSERT** inserted staircase element connecting different layers

**TRIANGULATE** triangulate the public level as a cultivation of landscape

**SQUARE** ‘leftover’ shape of square determined by adjacent configurations
floor layer
steel profile sheets + poured concrete

beam layer
insulation + steel profiles + surface material + railing construction

beam layer
hollow steel columns + IPE beams
JBI facade/level joint detail 1:5
roof package, consisting of
1. brick stone 50x64x200 mm
2. stabilised sand 150mm
3. hard insulation 100mm with water resistant foil
4. steel and concrete floor 200mm
5. IPE400 beam with circular cutouts (d=250mm)

level stone/grass detail 1:10
grass roof package, consisting of
1. grass slabs with stabilised sand
2. drainage mats 30mm
3. hard insulation 50mm with water resistant foil
4. cement floor 50mm
5. steel and concrete floor 200mm

skylight stone/glass detail 1:10
opaque glass skylight
1. channel shaped glass 40x160mm
2. channel glass profiles
3. tl light
4. acid etched glass single layer

roof/facade joint detail 1:5
roof package, consisting of
1. concrete tiles 600x50mm
2. hard insulation 100mm with water resistant foil
3. IPE160 bearing tiling
4. steel and concrete floor 200mm
5. IPE400 beam with circular cutouts (d=250mm)

roof/facade open air detail 1:10
roof package, consisting of
1. concrete tiles 600x50mm
2. pebbles
3. water resistant foil
4. steel and concrete floor 200mm
5. IPE400 beam with circular cutouts (d=250mm)

level/staircase joint detail 1:10
roof package, consisting of
1. roof package 400mm
2. standardised concrete staircase
3. natural stone end tile

installation & ventilation
insulated double glass + frame
wood block
laminated wood
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facade/level joint detail 1:5

roof package, consisting of
1 brick stone 50x64x200 mm
2 stabilised sand 150mm
3 hard insulation 100mm with water resistant foil
4 steel and concrete floor 200mm
5 IPE400 beam with circular cutouts (d=250mm)

level stone/grass detail 1:10

grass roof package, consisting of
1 grass slabs with stabilised sand
2 drainage mats 30mm
3 hard insulation 50mm with water resistant foil
4 cement floor 50mm
5 steel and concrete floor 200mm

skylight stone/glass detail 1:10

opaque glass skylight
1 channel shaped glass 40x160mm
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level/facade joint detail 1:5

roof package, consisting of
1 concrete tiles 600x50mm
2 hard insulation 100mm with water resistant foil
3 IPE160 bearing tiling
4 steel and concrete floor 200mm
5 IPE400 beam with circular cutouts (d=250mm)

roof/facade joint detail 1:5

roof package, consisting of
1 concrete tiles 600x50mm
2 pebbles
3 water resistant foil
4 steel and concrete floor 200mm
5 IPE400 beam with circular cutouts (d=250mm)

level/staircase joint detail 1:10

roof package, consisting of
1 roof package 400mm
2 standardised concrete staircase
3 natural stone end tile

installation & ventilation
insulated double glass + frame
wood block
steel profile
laminated wood

steel joint connection slab with bolts
steel 300x300mm column
Facade/level joint detail 1:5

Roof package, consisting of:
1. Brick stone 50x64x200 mm
2. Stabilised sand 150mm
3. Hard insulation 100mm with water resistant foil
4. Steel and concrete floor 200mm
5. IPE400 beam with circular cutouts (d=250mm)

Level stone/grass detail 1:10

Grass roof package, consisting of:
1. Grass slabs with stabilised sand
2. Drainage mats 30mm
3. Hard insulation 50mm with water resistant foil
4. Cement floor 50mm
5. Steel and concrete floor 200mm

Skylight stone/glass detail 1:10

Opaque glass skylight
1. Channel shaped glass 40x160mm
2. Channel glass profiles
3. TL light
4. Acid etched glass single layer

Roof/facade joint detail 1:5

Roof package, consisting of:
1. Concrete tiles 600x50mm
2. Hard insulation 100mm with water resistant foil
3. IPE160 bearing tiling
4. Steel and concrete floor 200mm
5. IPE400 beam with circular cutouts (d=250mm)

Roof/facade open air detail 1:10

Roof package, consisting of:
1. Concrete tiles 600x50mm
2. Pebbles
3. Water resistant foil
4. Steel and concrete floor 200mm
5. IPE400 beam with circular cutouts (d=250mm)

Level/staircase joint detail 1:10

Roof package, consisting of:
1. Roof package 400mm
2. Standardised concrete staircase
3. Natural stone end tile
4. Steel joint connection slab with bolts
5. Steel 300x300mm column

Installation & ventilation

Insulated double glass + frame
1. Steel profile and glass handrail
2. Laminated wood
THANK YOU