Walls that teach

The city, the memory, the youth center

P5 Presentation Urban Architecture Spolia 2019-2020

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Klostergarden Lehel/ Hild und K

Spolia refers to the leftovers of a building which are re-integrated in a new structure, but also to infrastructural elements, fragments of urban space, or non-material things, such as stories and memories.

Urban

Architecture

Materialization

Spolia

Urban

Architecture

Materialization

Spolia



The city



The invisible city





Make invisible visible





Make invisible visible



Transformed, celebrated

covered







Spolia as a tool to re-read the city of Brussels





Re-read the neighborhood







The transformed "line"











1990



2019

The gone lifestyle

Front facades



Back facades





Remnant of the buried river, Character of the site







"Solid" ghost of Senne









Invisible story hidden behind the wall



The wall as backdrop acting on the stage of people's life



The site, the fragmentations

The decay industry The lost river

The social housing



The site, the fragmentations



Antidote for better housing neighborhood

- The walls/ the reuse potential
 - The kept housing
- The greenery



Potential of reuse













Potential of reuse





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Potential of reuse





Permeable wall as a frame, from segregation to integration





Kept Les goujons and restaurant

WallsKeptProject sites



















The permeable wall, the better neighborhood

Urban

Architecture

Materialization

Spolia



Who are they? What they need?



Credit to Bjarne van der Drift

48.5% youth unemployment rate.

Credit to Mariona Maeso

Loitering. Youngest, Poorest.







Stigmatization, unemployment, immobility... the mental wall on their life stage



Existing facilities





YOUTH CENTER as Pedagogical space, break the "wall"







What to keep on the architecture level?


Reference: House BS by architecten de vylder vinck taillieu

The things good enough/ the things not good enough





Highlight what need to be seen



In-between old and new





Kept Les goujons and restaurant

WallsKeptProject sites





Ground floor plan





Meet the people, meet the wall



Kept wall Vertical Circulation







Embrace, integrate, distance



Characters of three courtyards



Enjoy the coffee









Front yard



Front yard



Projection
Lecture room
Group room
Computer room
Photograph lab
Vocational workshop
Meeting room
Counsel room
Classroom

9. Classroom

10. Homework room





Keep group work, keep the flexibility



Kept wall Vertical Circulation



1. Discussion space 2. Reading space



Stay hungry, stay foolish





existing fragments









Once existing fragments collide with new ones, the process of Bricolage comes up





Front facades



Back facades

Front and rear, the revitalized space and memory



Section A-A





N





Section B-B



Kept wall

2 4 8

0

Suspended ceiling







Kept wall











Facade



Round and linear







Frame and encounter
















Precedents dealing with existing walls

Building technology

Materialization

Spolia





Kept/Reused
Wood structure
Core
Stable function











Kept/ Reused
Wood structure
Core
Stable function







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EXTERIOR









55mm screed with underfloor heating 100mm noise insulation 300mm reinforced concrete slab 200mm rigid insulation 150mm binding layer 150mm bed of gravel













EXTERIOR





portico as shed













Summer Open the windows & skylight Mainly natural ventilation (stack effect in the atrium) + mechanical ventilation (logistic space)

S



Ground heat exchanger



Winter Close the windows & skylight Mechanical ventilation

S



Ground heat exchanger





Mechanical Ventilation



Mechanical Ventilation

Morphology







Segregation



Integration





Integration





Thank you!

