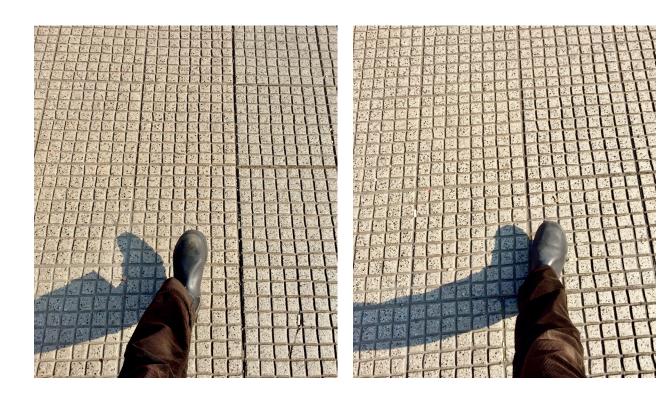
A research on the walking experience of architecture



Main Mentor: Technical Mentor: Research Mentor: Delegate: Mieke Vink Jan van de Voort Maurice Harteveld Ellen Geurts Jiri Brakenhoff Master Architecture, Urbanism & Building Sciences Architecture graduate 16 June 2022 Student number: 4388577

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The experience of walking



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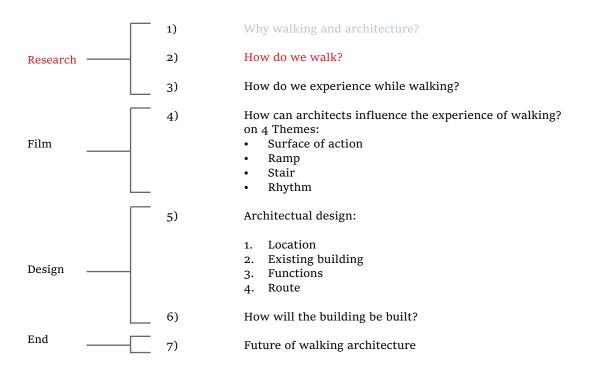
The playground

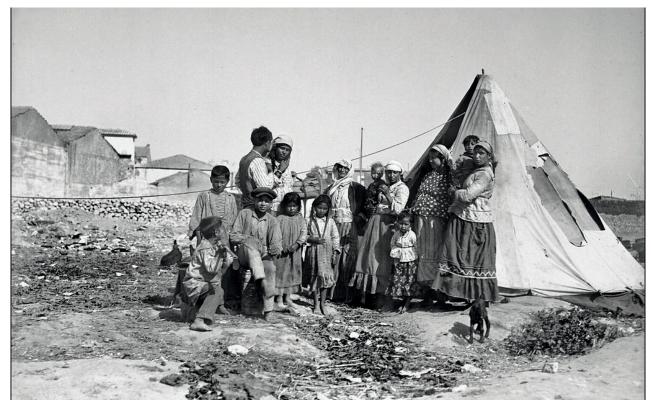


Aldo van Eyck's playground in Amsterdam

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A research on the walking experience of architecture





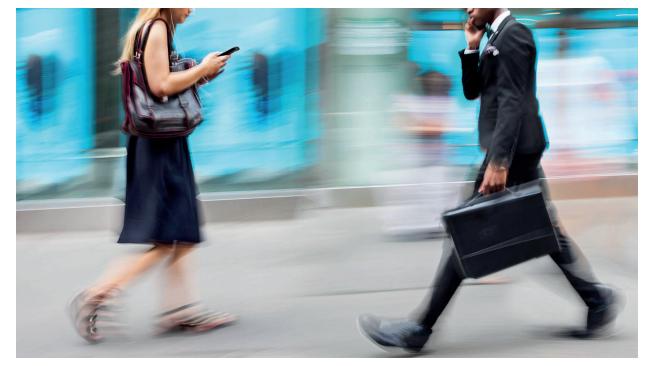
Gypsy Tent, Roma or Sinti in Athens/Greece 1929.

P5



Gustave Caillebotte Paris Street, Rainy Day (1877),Oil on canvas

Page:



Using mobile phones while walking (2018) by Christopher Smith

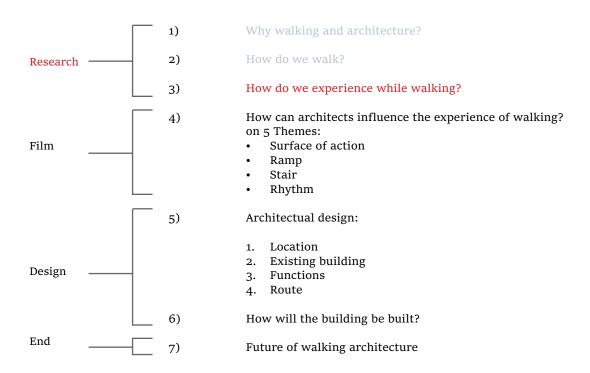
Page:

"Action is a medium of collecting sensory information about the environment, which in turn is shaped by architectural affordances. Affordances characterize the fit between the physical structure of the body and capacities for movement and interaction with the environment, thus relying on sensorimotor processes associated with exploring the surroundings."

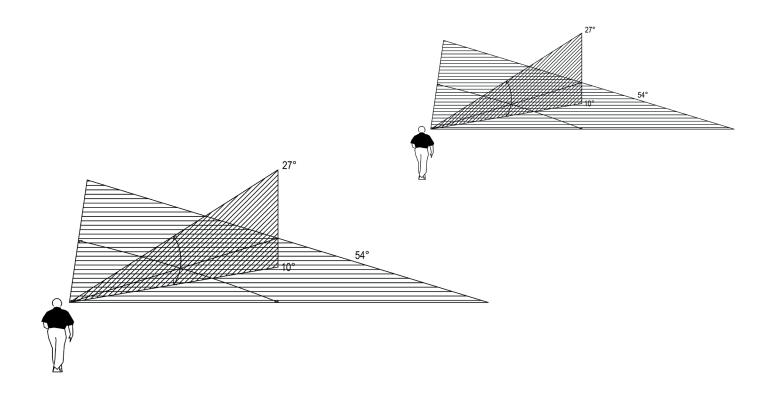
o <u>perception</u> into <u>action</u> into <u>perception</u> into <u>actio</u> to <u>action</u> into <u>perception</u> into <u>action</u> into <u>perception</u> <u>erception</u> into <u>action</u> into <u>perception</u> into <u>action</u> in <u>ction</u> into <u>perception</u> into <u>action</u> into <u>perception</u> i

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A research on the walking experience of architecture

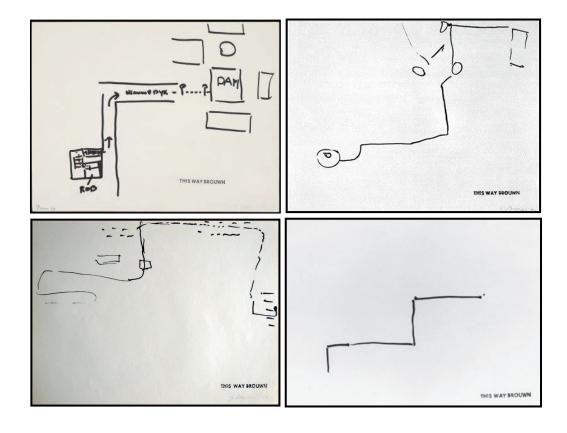


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,5

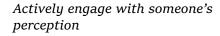
The walking experiments

(1) Urban drifting

(2) Translocate

(3) Typical spectator

Participate to integrate in the public domain in search of the space to investigate



Passively wait until "it" happens



IAIN SINCLAIR



STANLEY BROUWN



FRANCIS ALYS

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(1) Urban drifting

(2) Translocate

(3) Typical spectator

Participate to integrate in the public domain in search of the space to investigate

Actively engage with someone's perception

Passively wait until "it" happens



IAIN SINCLAIR

This method is used to find location for the observations. Tool to search for something you don't yet.



STANLEY BROUWN

This method is used to get an understanding of the situation that is found. By experiencing the situation by yourself.

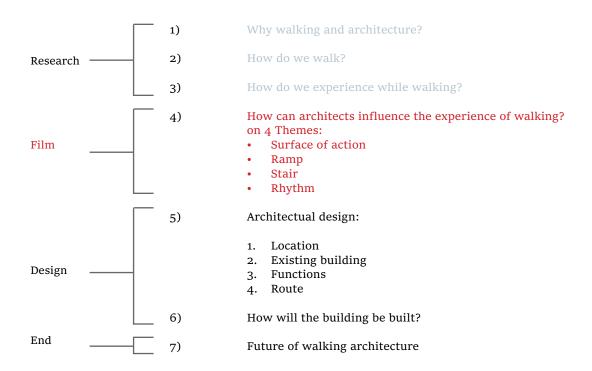


FRANCIS ALYS

This method is used to get an understanding of the situation by observing the way other use this situation.

Research

A research on the walking experience of architecture



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The walking experiments

Film 7:18 Min

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The ramp The rhythm The Surface The stair











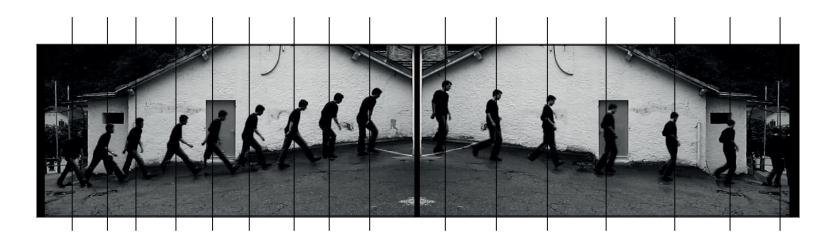


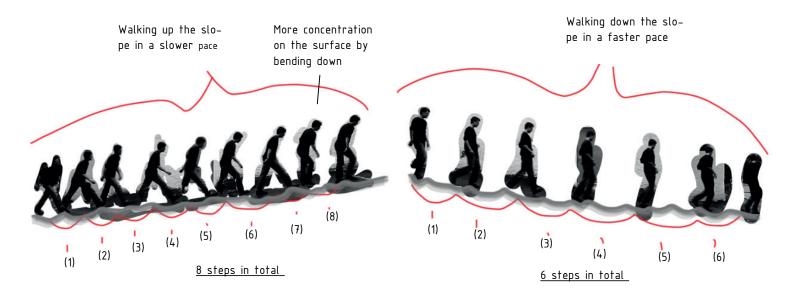






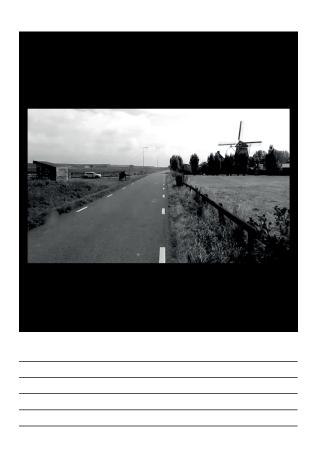
The ramp

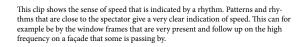




Film

The rythm





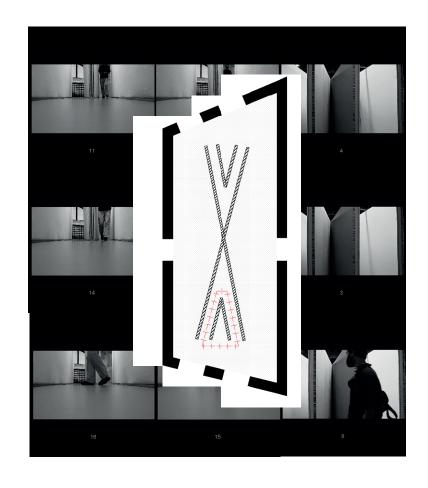


This short clip shows that designed rhythms are perceived differently from a distance that form close by. So, in a very narrow space a rhythm will be more present than on a wide square.

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The surface

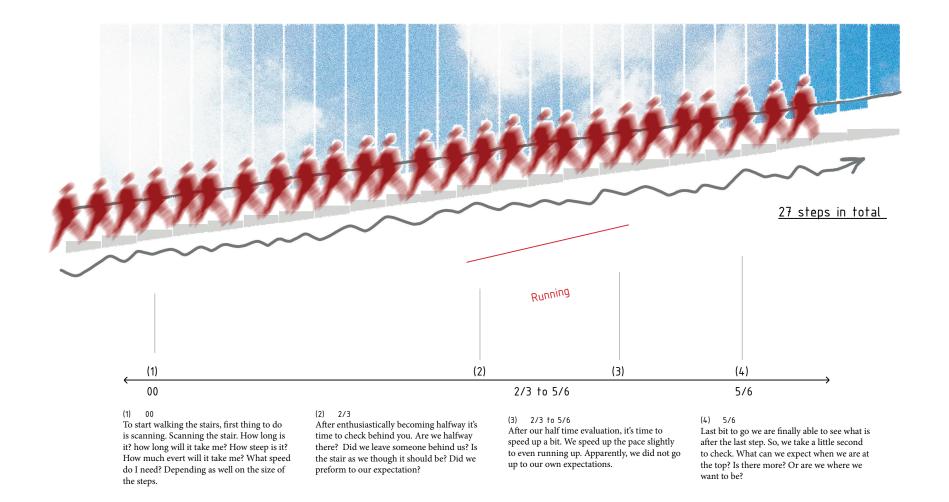
_





The stair

P5



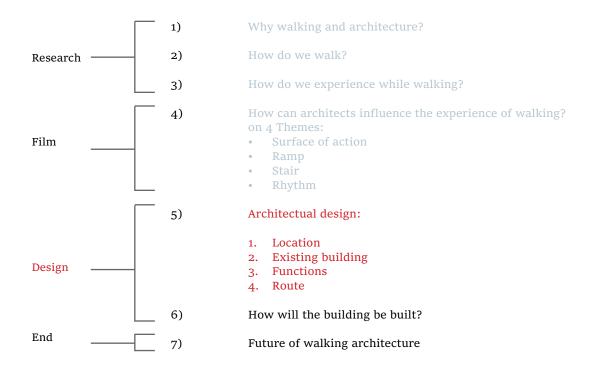
Film

The playground



Aldo van Eyck's playground in Amsterdam

A research on the walking experience of architecture

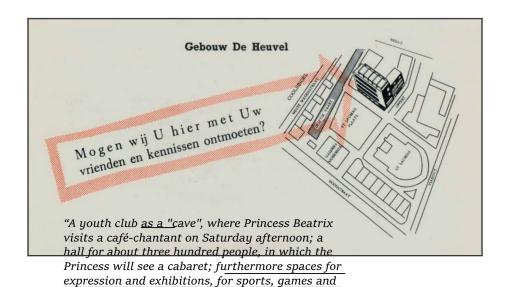


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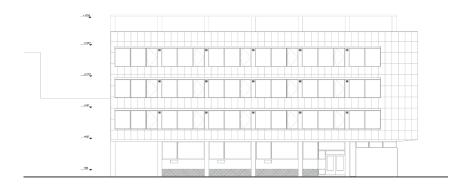


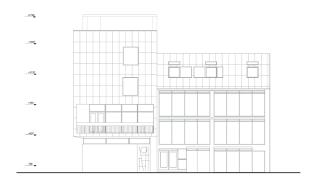


<u>meetings, a li</u>brary and a sunny roof terrace, high above the roofs of Rotterdam, but still low compared

to the old Sint-Laurenstoren."

Design





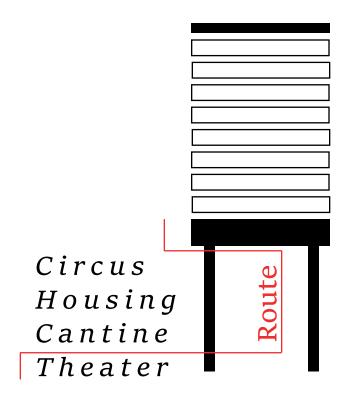


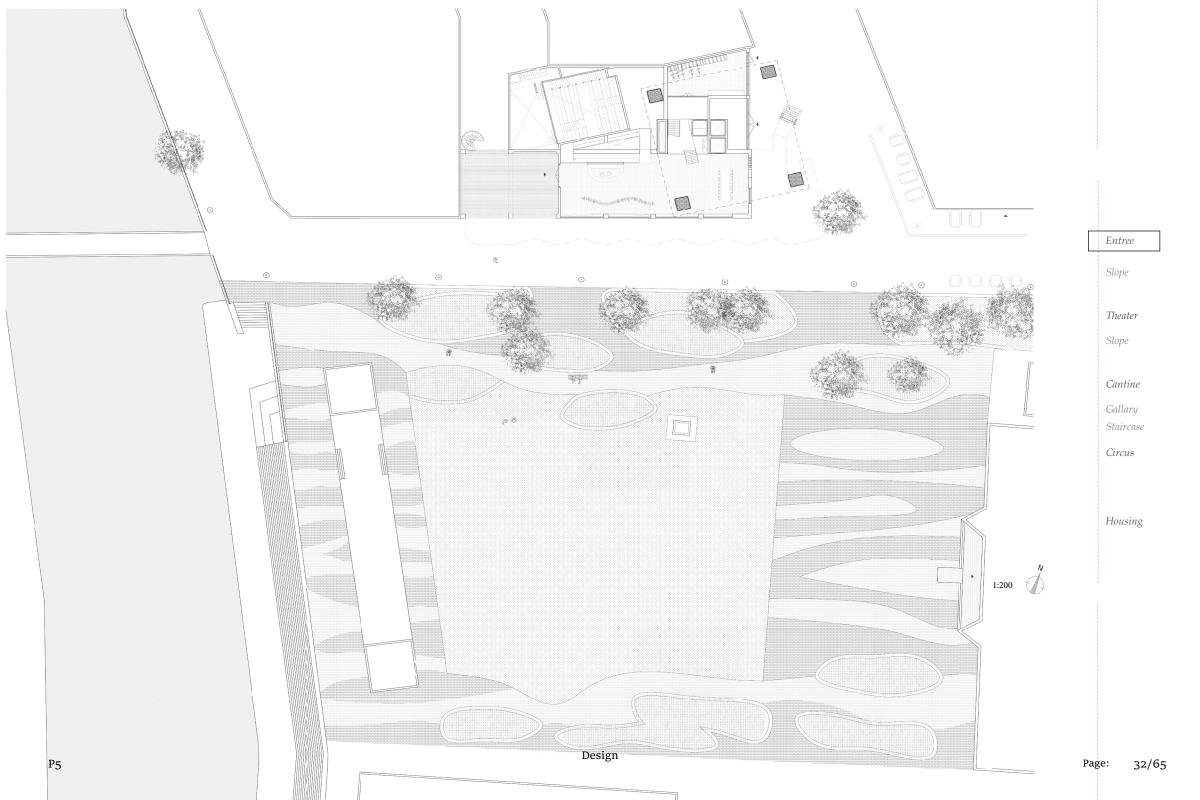
Scale 1:200

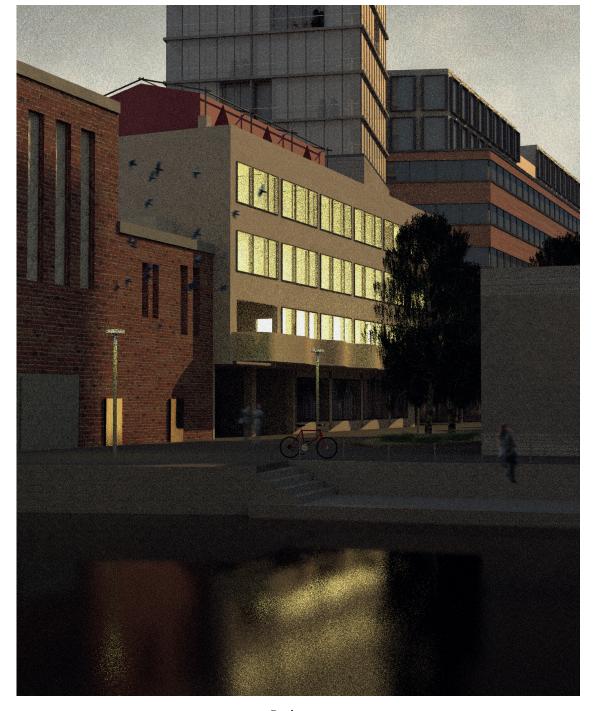
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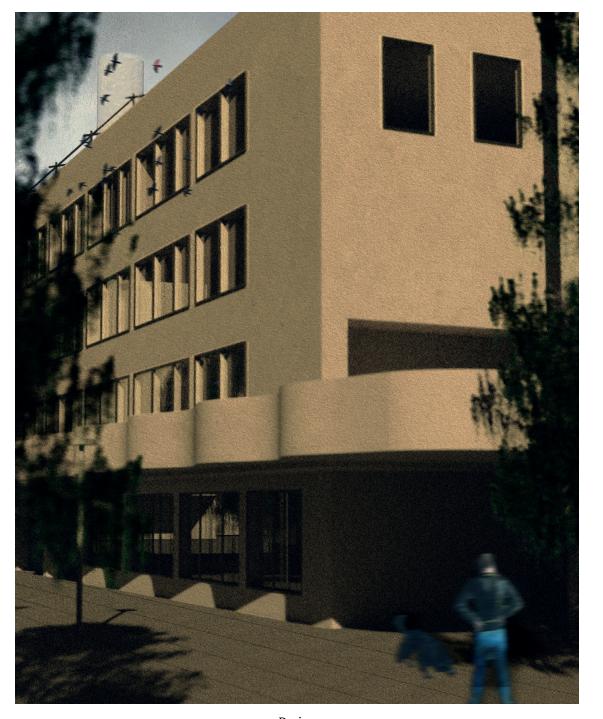








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Entree

Theater

Cantine

Housing

35/65





Entree

Slope

Theater

Slope

Cantine

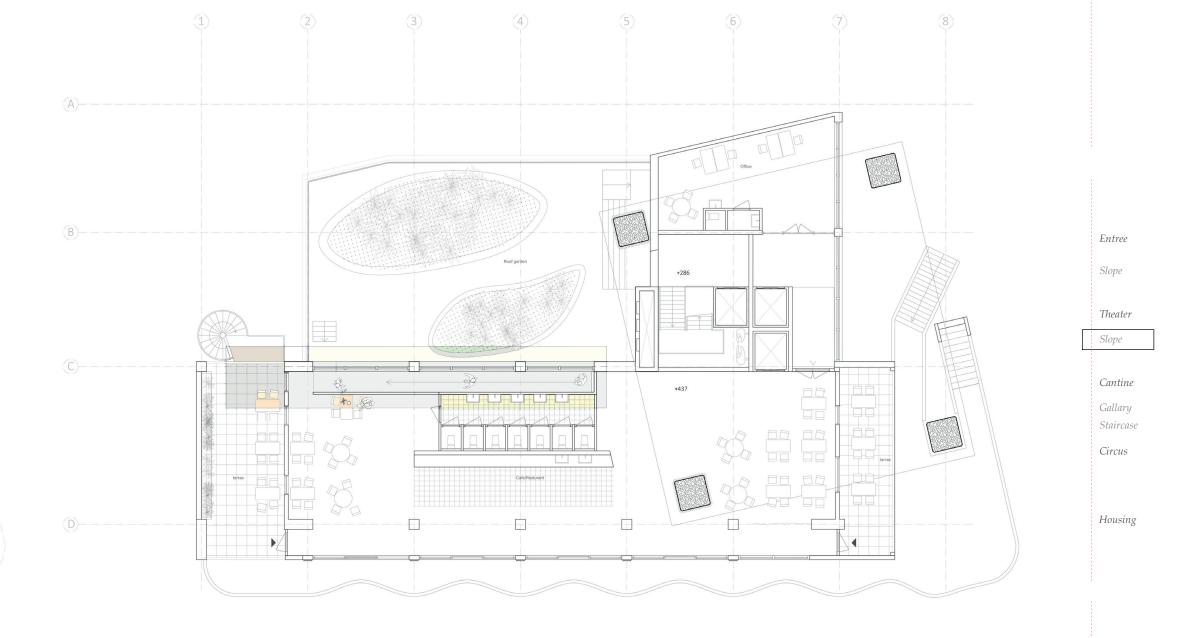
Gallary

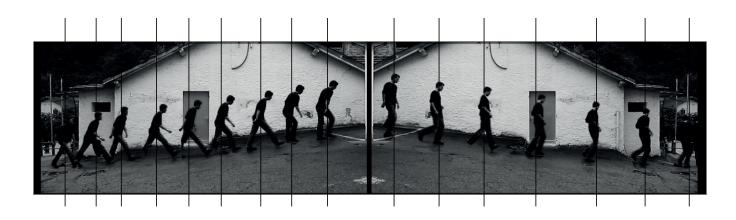
Staircase

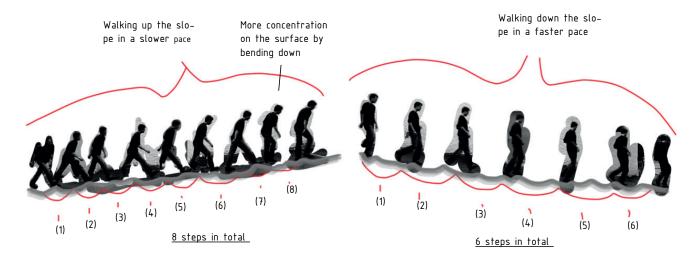
Circus

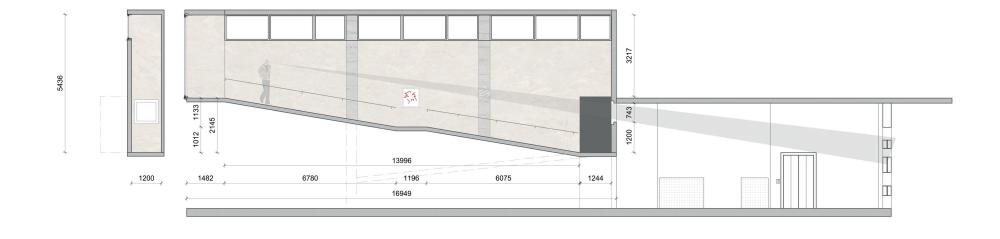
Housing

Design

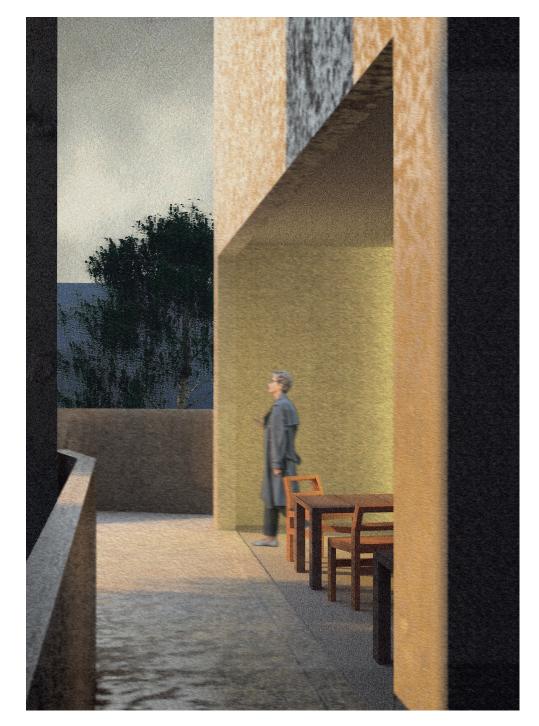


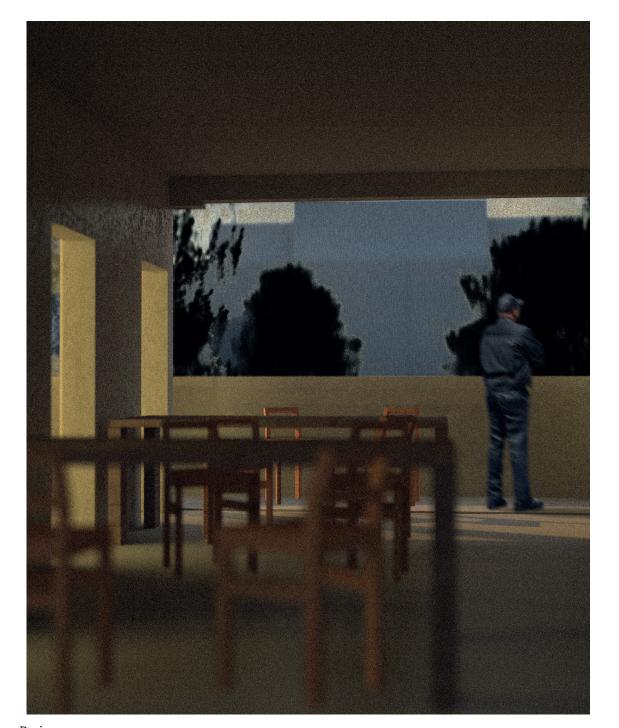




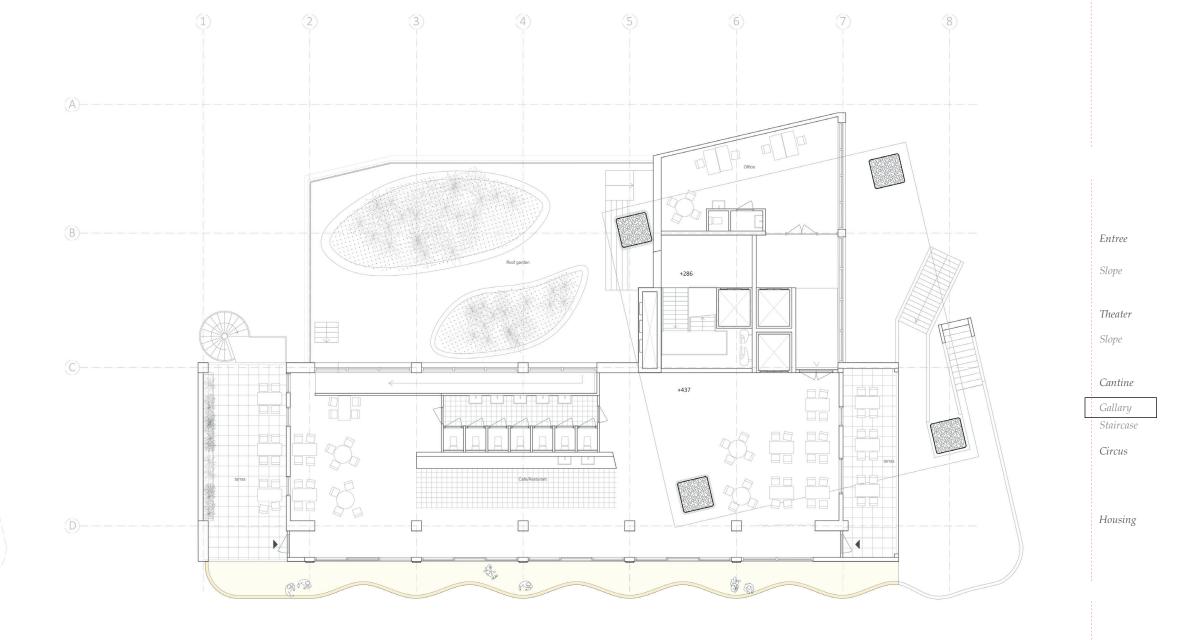


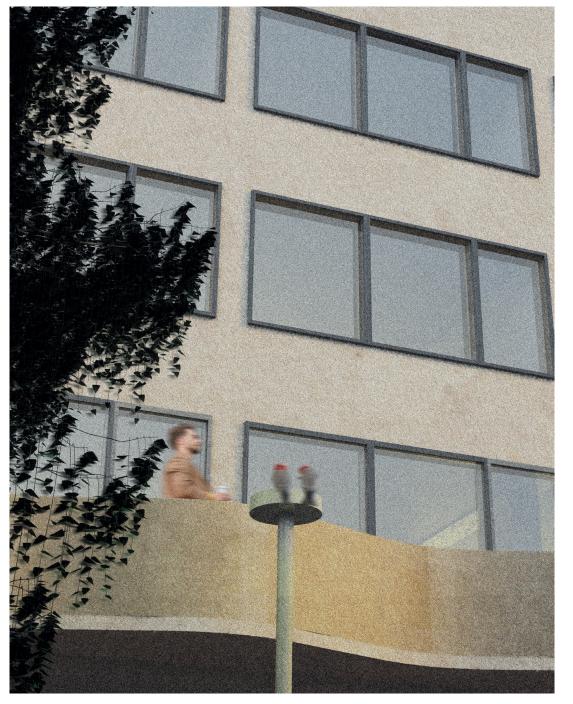




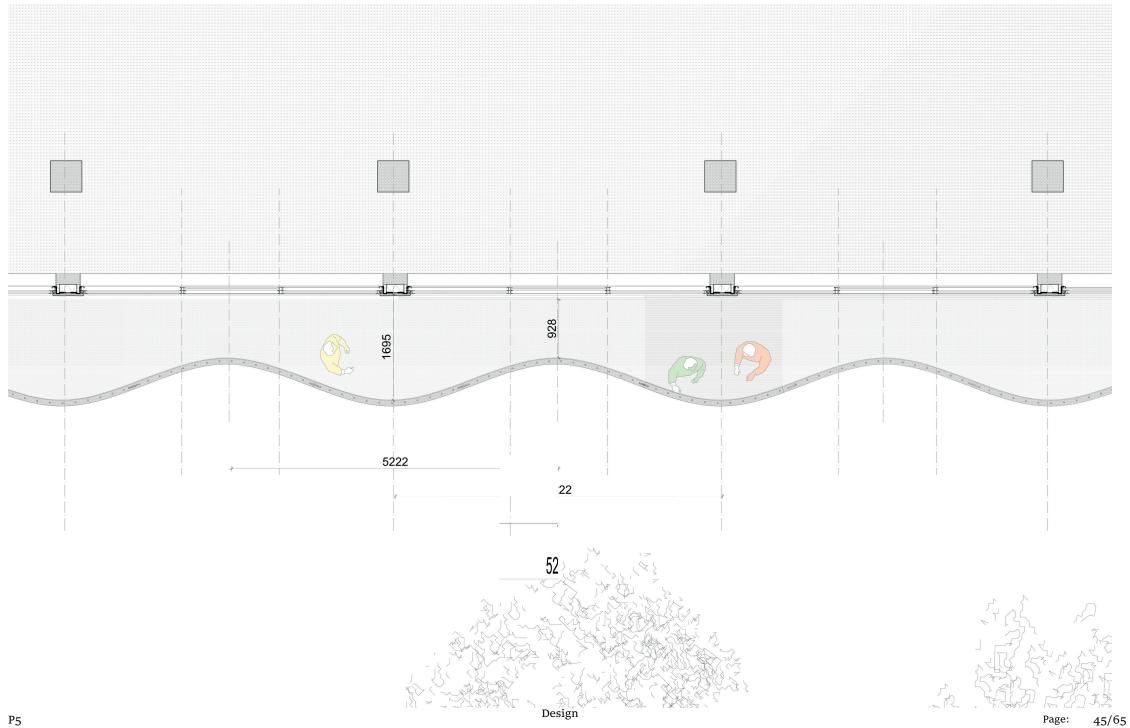


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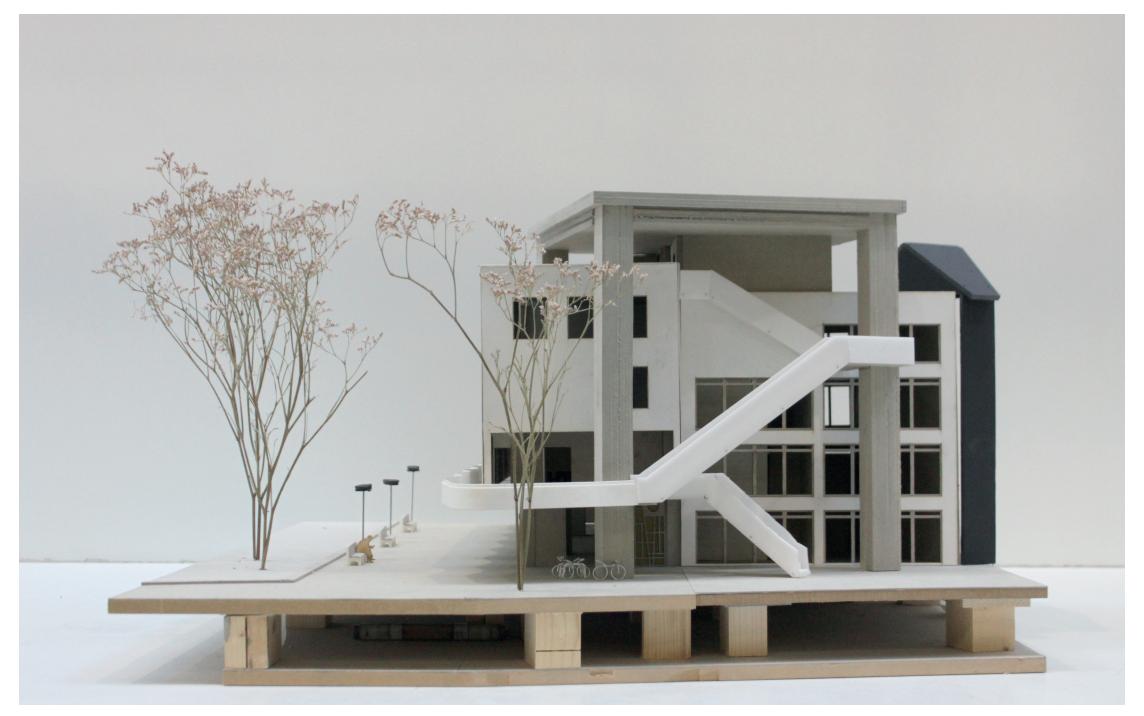
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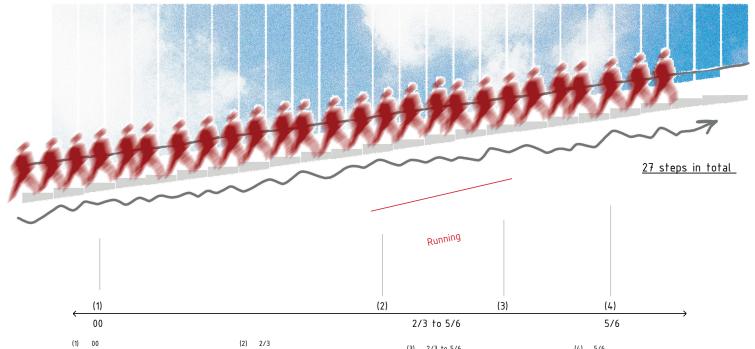




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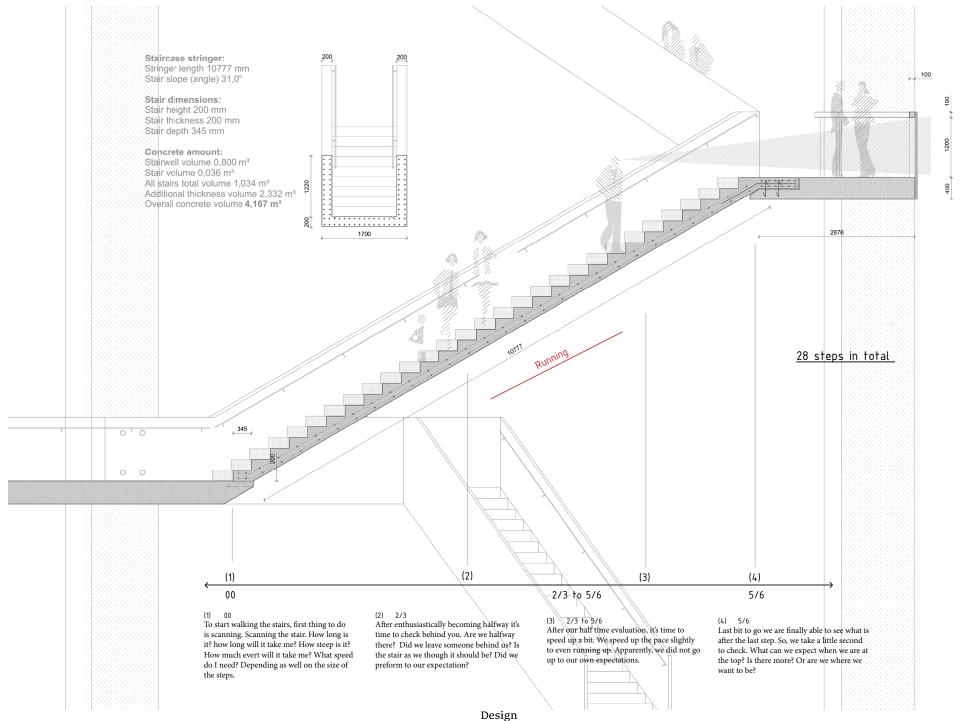




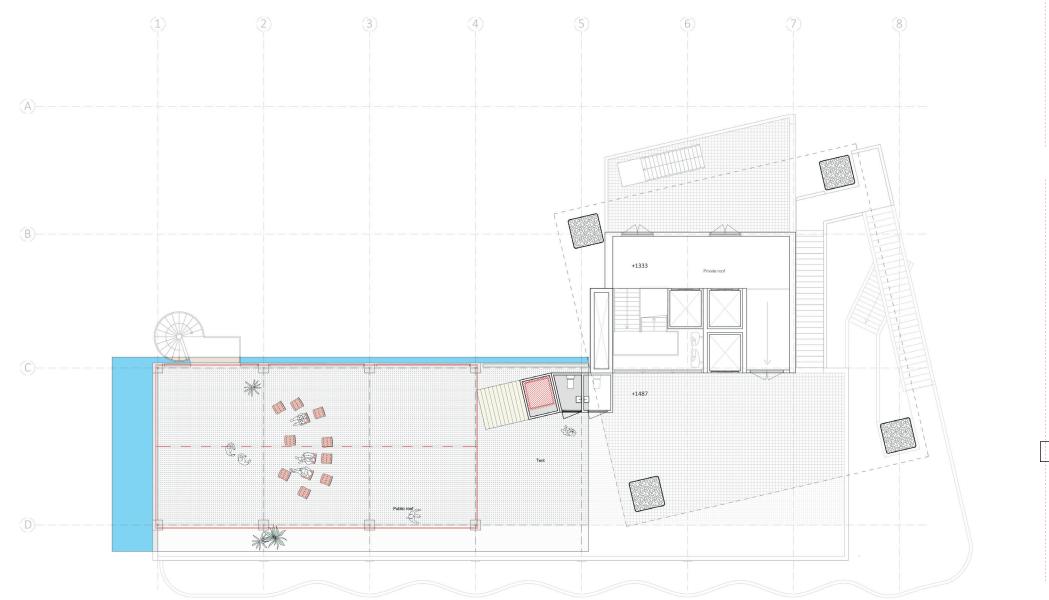
(1) 00
To start walking the stairs, first thing to do is scanning. Scanning the stair. How long is it? how long will it take me? How steep is it? How much evert will it take me? What speed do I need? Depending as well on the size of the steps.

(2) 2/3
After enthusiastically becoming halfway it's time to check behind you. Are we halfway there? Did we leave someone behind us? Is the stair as we though it should be? Did we preform to our expectation?

(3) 2/3 to 5/6 After our half time evaluation, it's time to speed up a bit. We speed up the pace slightly to even running up. Apparently, we did not go up to our own expectations. (4) 5/6
Last bit to go we are finally able to see what is after the last step. So, we take a little second to check. What can we expect when we are at the top? Is there more? Or are we where we want to be?



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Entree

Slope

Theater

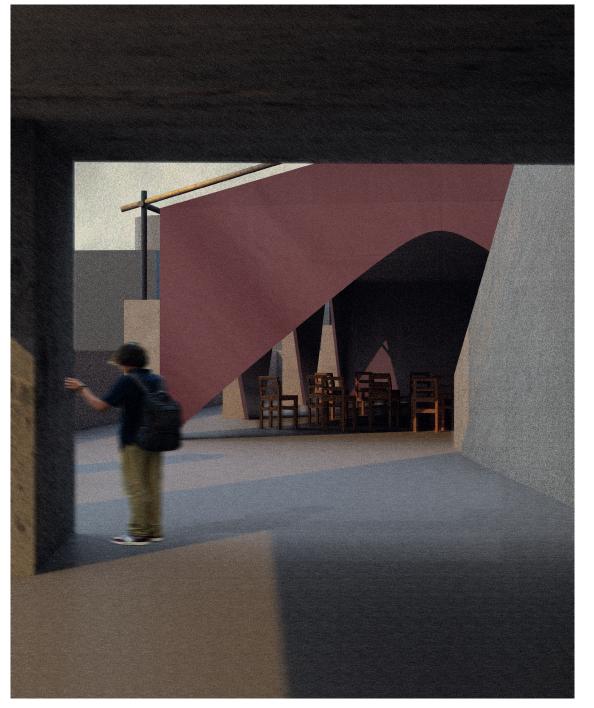
Slope

Cantine

Gallary Staircase

Circus

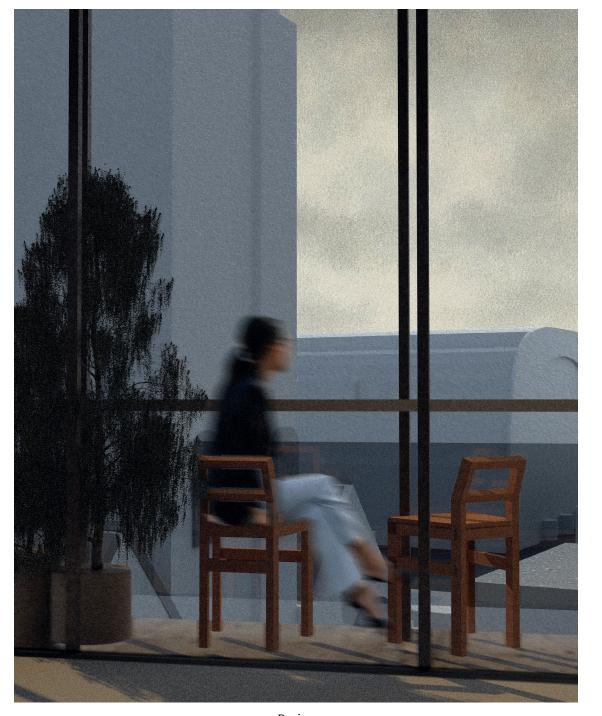
Housing





Design



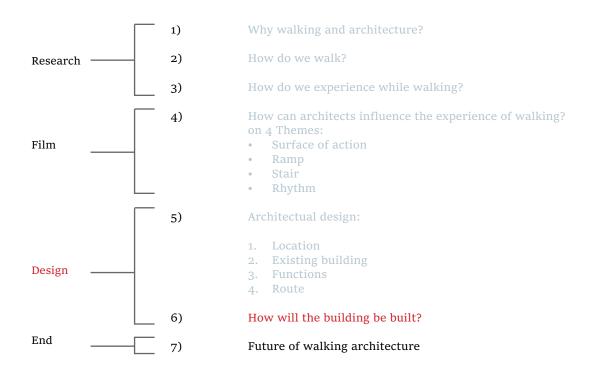


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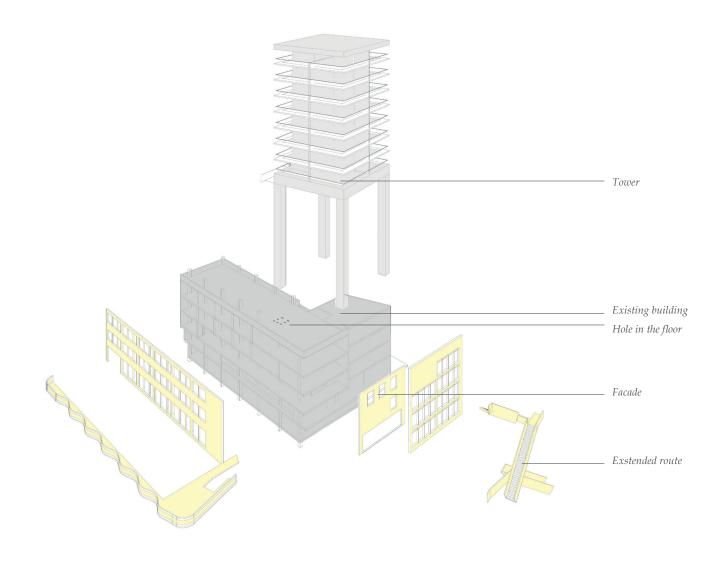


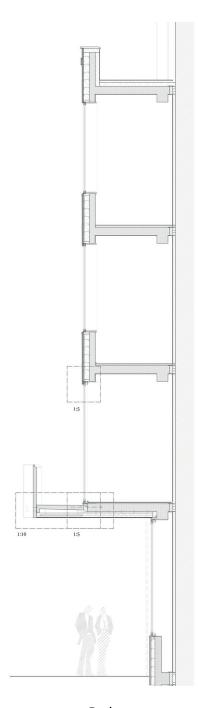
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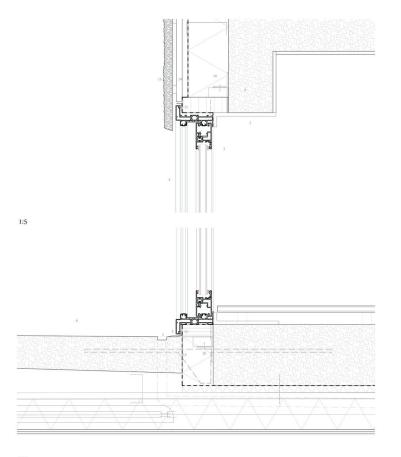
A research on the walking experience of architecture

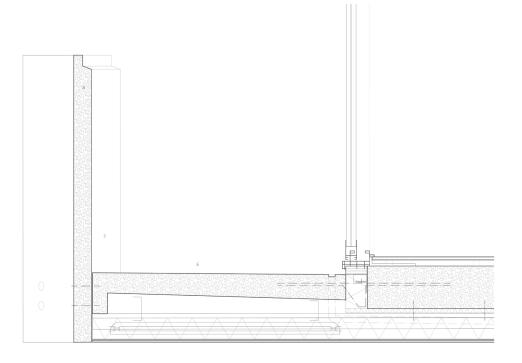


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1:5

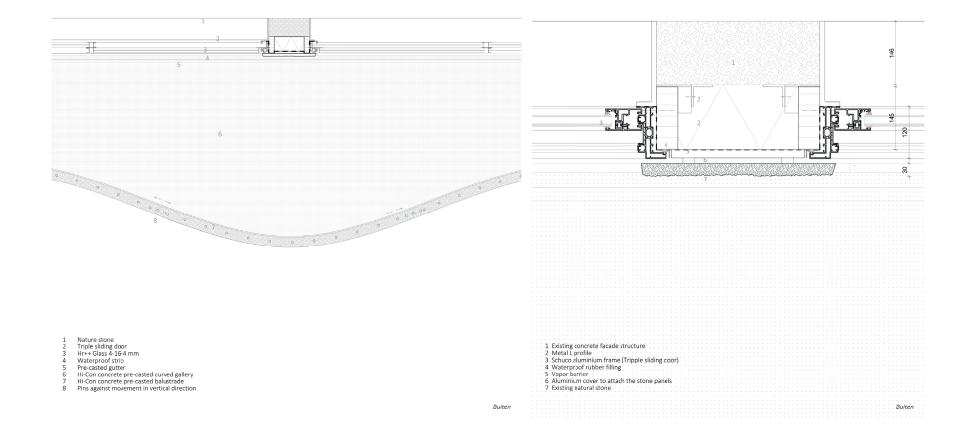
Natural stone
 Triple sliding door
 Hr++ Glass 4-16-4 mm
 Waterproof strip
 Pre-casted gutter
 Hi-Con concrete pre-casted curved galler
 Hi-Con concrete pre-casted balustrade

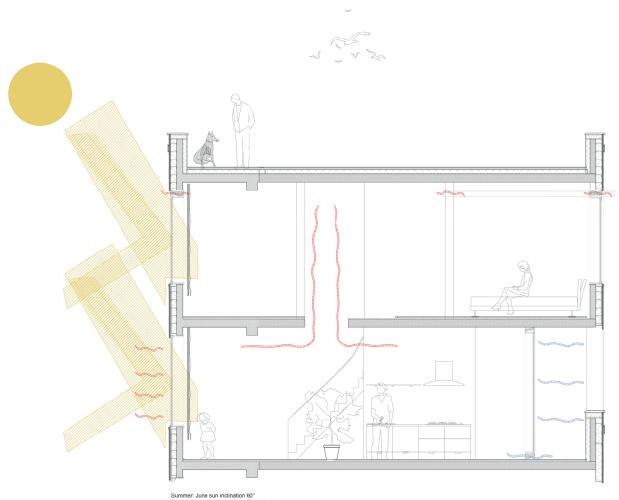
Existing concrete facade structure

Metal L profile
Schuco aluminium frame (Tripple sliding doo
Waterproof rubber filling

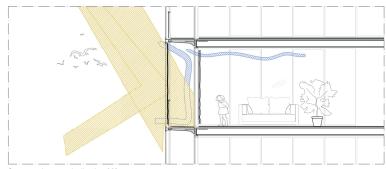
14 Aluminium cover to attach the stone panels

1:20 Binnen 1:5 Binnen

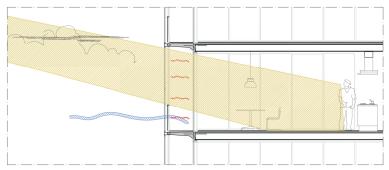




Summer: June sun inclination 60° Curtain closed to protected against overheat during the day. Use colder air that is formed in the lower hallway that is always in the shodow. Let the hot air go out on the second floor.



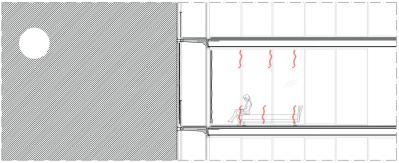
Summer: June sun inclination 60° Sliding doors open, external curtain closed. Protected against overheat during the day



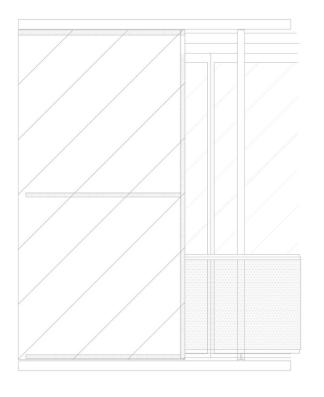
Winter: December sun inclination 15°
Sliding doors closed, external and internal curtain open.
maximum heat and light gain from the sun through the glazed facade

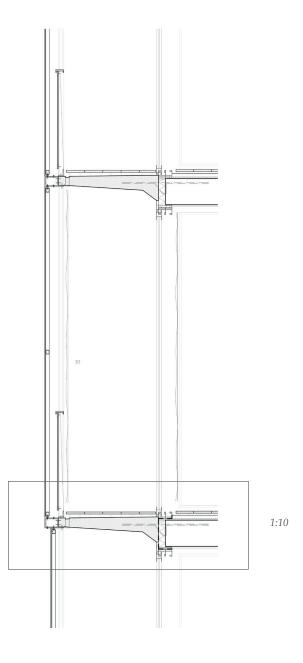


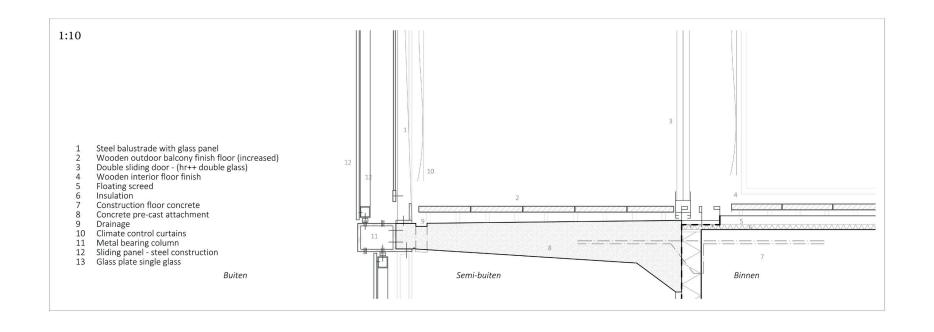
Mid season September sun inclination 45° Sliding doors closed, external and internal curtain open. Heat collected by the greenhouse effect in the glazed facade



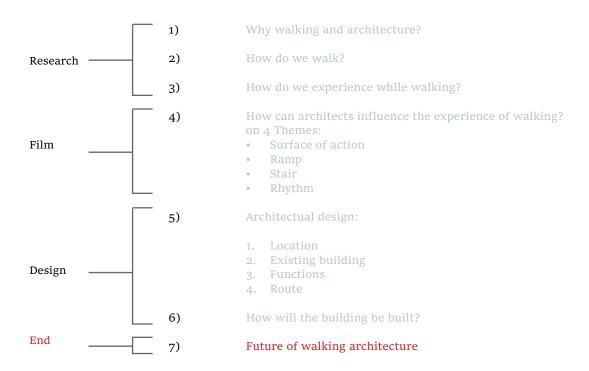
Night time
Sliding doors closed, external and internal curtain open.
maximum heat and light gain from the sun through the glazed facade







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