Research Question: What architectural tools could be implemented in future residential blocks to provide transitional space from public to private and create individual dwellings with participation by the dwellers?

Goal of the Research: The architectural frame as the essential element in organizing the transitional zone between public and private, which also provides certain degree of flexibility for individual dwellings.

Abstract: The graduation project is a research for the architectural model of a dwelling complex which discusses the transitional space between public and private. It sits in the city of Amsterdam, with the potential to surpass the context and presents the future way of living. The concept of 'the framed transition' penetrates from the scale of urban configuration, until the scale of interior furniture and construction details. The framed transitional zone outside the dwelling blocks creates the sense of community from different dwelling groups, while the framed furniture zone inside the dwelling offers flexibility for the dwellers.
Structure Analysis

Concrete wall
Concrete column-beam system

Hollow foundation piles to support soil

CLT floor for the dwelling blocks

Glu-lam timber frame

Structure Dwelling Blocks
Dwelling Block A

Glu-lam timber frame

Free standing frame
Gallery Support

Collective terrace above the river
Cantiliver structure

Movable Solar Panels

CLT floor

CLT Wall Single-wall | Double wall

CLT floor for the dwelling blocks

Glu-lam timber frame

Dwelling Block A

Green Facade Summer

Short-term | Long-term Energy Storage

Green Facade Winter

CLT Wall Single-wall | Double wall

CLT Wall Single-wall | Double wall

Climate Schemes

Concrete wall
Concrete column-beam system

Hollow foundation piles to support soil

CLT floor for the dwelling blocks

Glu-lam timber frame

Free standing frame
Gallery Support

Collective terrace above the river
Cantiliver structure

Movable Solar Panels

CLT floor

CLT Wall Single-wall | Double wall

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Dwelling Block A

Green Facade Summer

Short-term | Long-term Energy Storage

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CLT Wall Single-wall | Double wall

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Block A
Dwelling Type A1 A2

Block B
Dwelling Type B1 B2

Block C
Dwelling Type C1 C2

Studio Space
Ground Floor

Dwelling Type A1
72 mm² One Room Apartment

Dwelling Type A2
68 mm² One Room Apartment

Dwelling Type B1
134 mm² Three Room Apartment

Dwelling Type B2
108 mm² Three Room Apartment

Dwelling Type C1
53.8 mm² One Room Apartment

Dwelling Type C2
59.6 mm² One Room Apartment

Dwelling Type B1
144.8 mm² Studio Space

Dwelling Type A1 | A2

Dwelling Type B1 | B2

Dwelling Type C1 | C2

Studio Space Ground Floor
Elevation Fragment 1:20 West Facade
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