#### A TRIBUTE TO BRICKS OF GOTHENBURG

#### AN EXPERIMENTATIONAL CELEBRATION OF THE DIVERSITY OF CLAY AND BRICKS

in Götaplatsen

10.01.2022

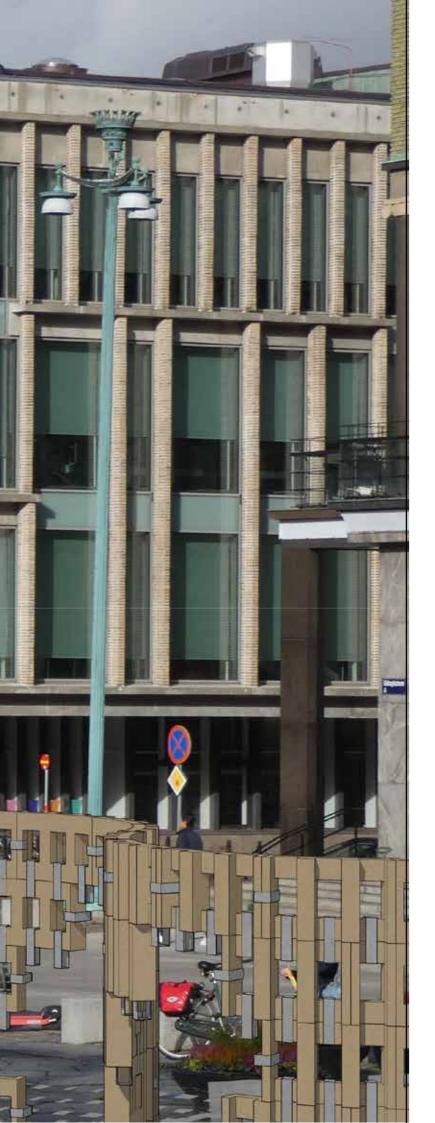
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**IRFAN MERIC** 

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# A TRIBUTE TO BRICKS OF GOTHENBURG - and -

an experimentational celebration of the diversity of clays and bricks

in Götaplatsen

The project started around the idea to capture inspirations in Götaplatsen and experiment on clay to find ways to interpret the inspirations and implement them into the context of Götaplatsen back again where their original references are.

The old and the new are present together and showcasing the jump of time while the material clay still remains as a relevant building material that is also having the old and the new meeting on a common ground.



# PAPER STRUCTURE

0. WORKFLOW

1. BASE MATERIALS | INSPIRATION LIBRARY

2. EXPERIMENTS

3. IMPLEMENTATIONS INTO THE CONTEXT

#### 0. WORKFLOW

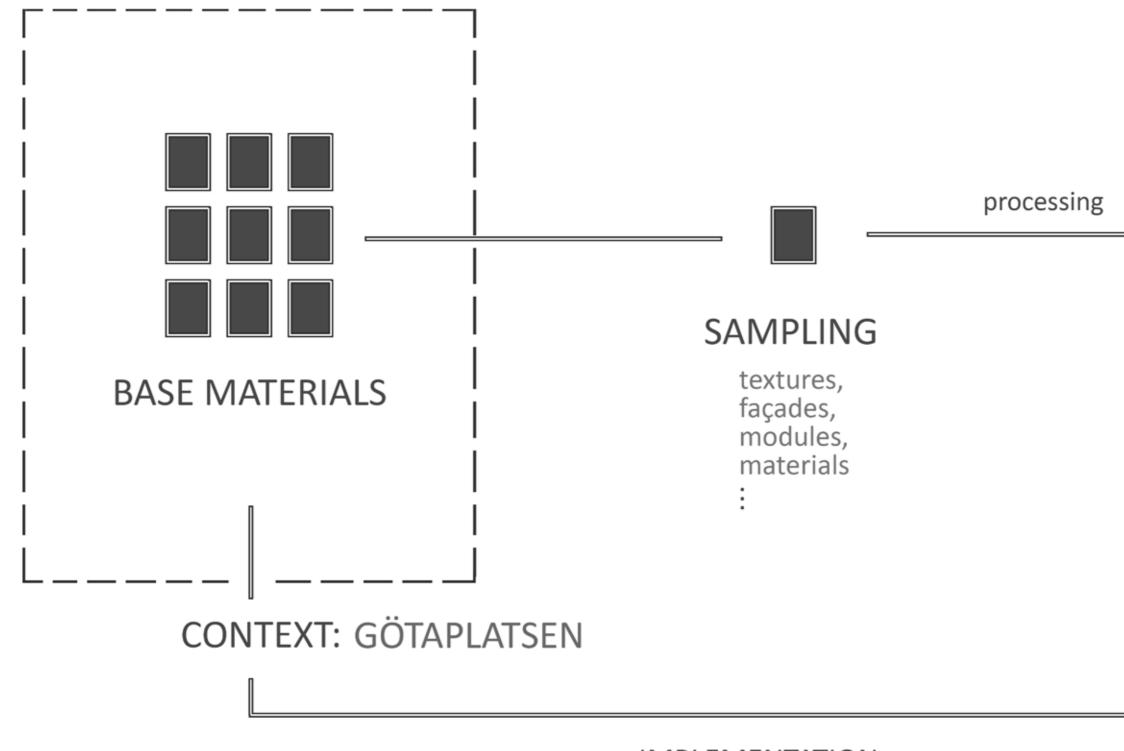
BASE MATERIALS | INSPIRATION LIBRARY
SAMPLING | REPRODUCTIONS | COMPOSITIONS
EXPERIMENTS

4. IMPLEMENTATIONS INTO THE CONTEXT

### workflow

Starting the project,

first was collecting an archive of façades, building modules, textures and objects in Götaplatsen; to picture a Götaplatsen through those qualities,



IMPLEMENTATION



#### **EXPERIMENT**

with clay

#### 0. WORKFLOW

# 1. BASE MATERIALS | INSPIRATION LIBRARY -

### 2. EXPERIMENTS IN PLACE

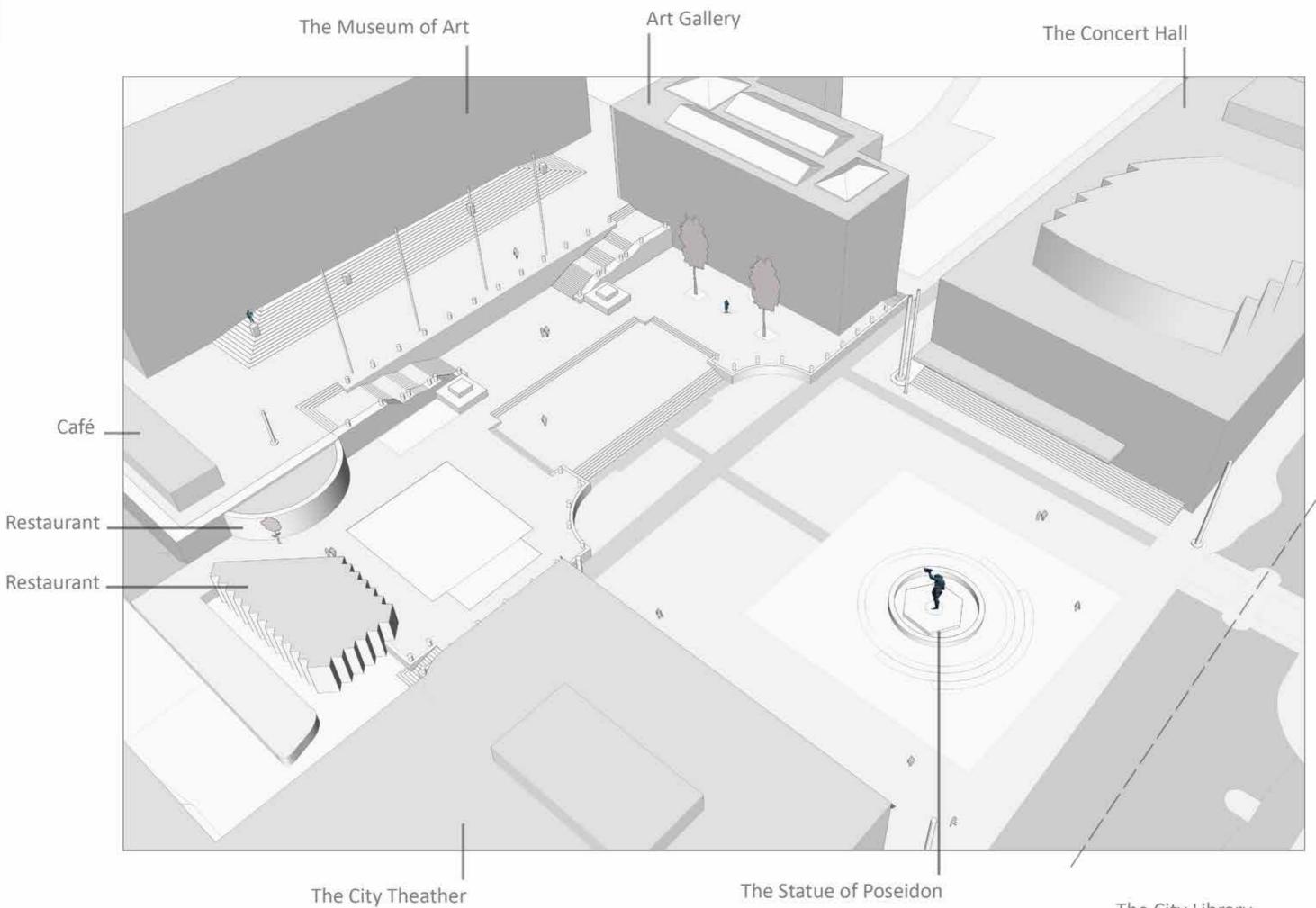
**3. IMPLEMENTATIONS INTO THE CONTEXT** 

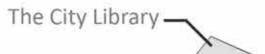
- Götaplatsen
- ii. Objects Around

i. Textures of Götaplatsen iii. Façades Surrounding iv. Modules of Buildings v. Inspirations from Around vi. Inventory of Interests

### Götaplatsen

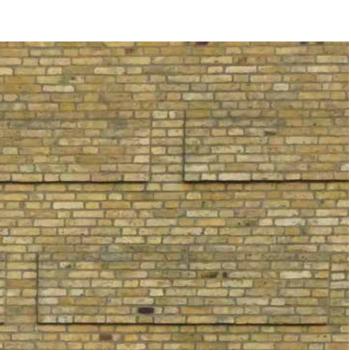
after was to process the archive into a collage recreation of Götaplatsen that highlights the characteristics and also shows the focused elements of the place, in the project,





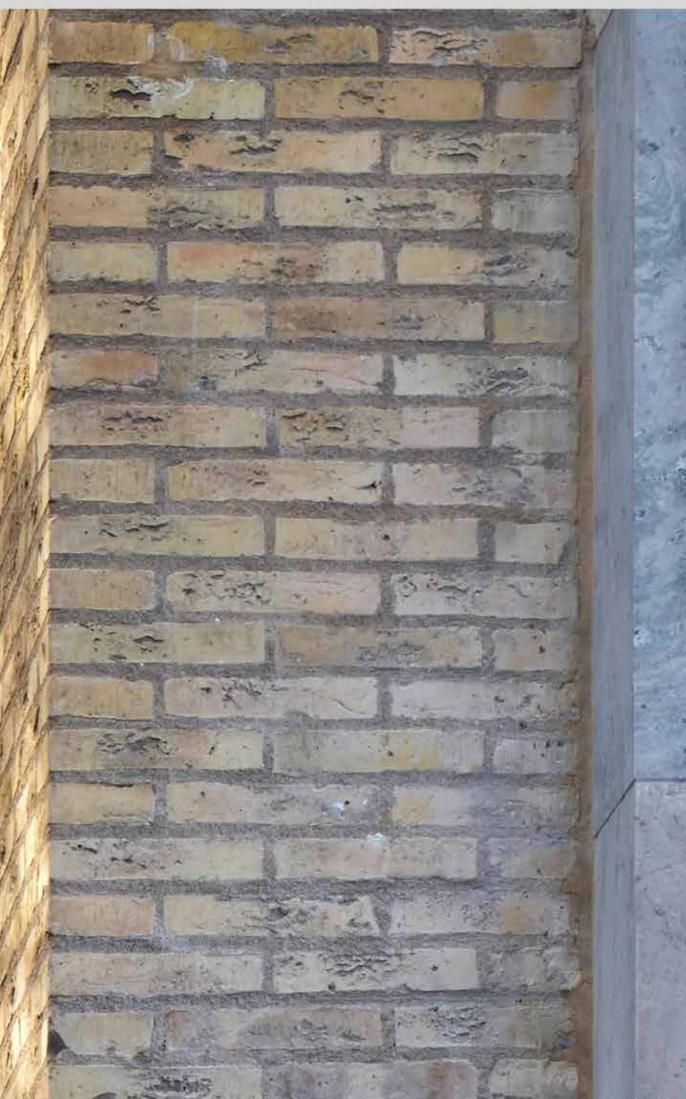


# i. Textures of Götaplatsen



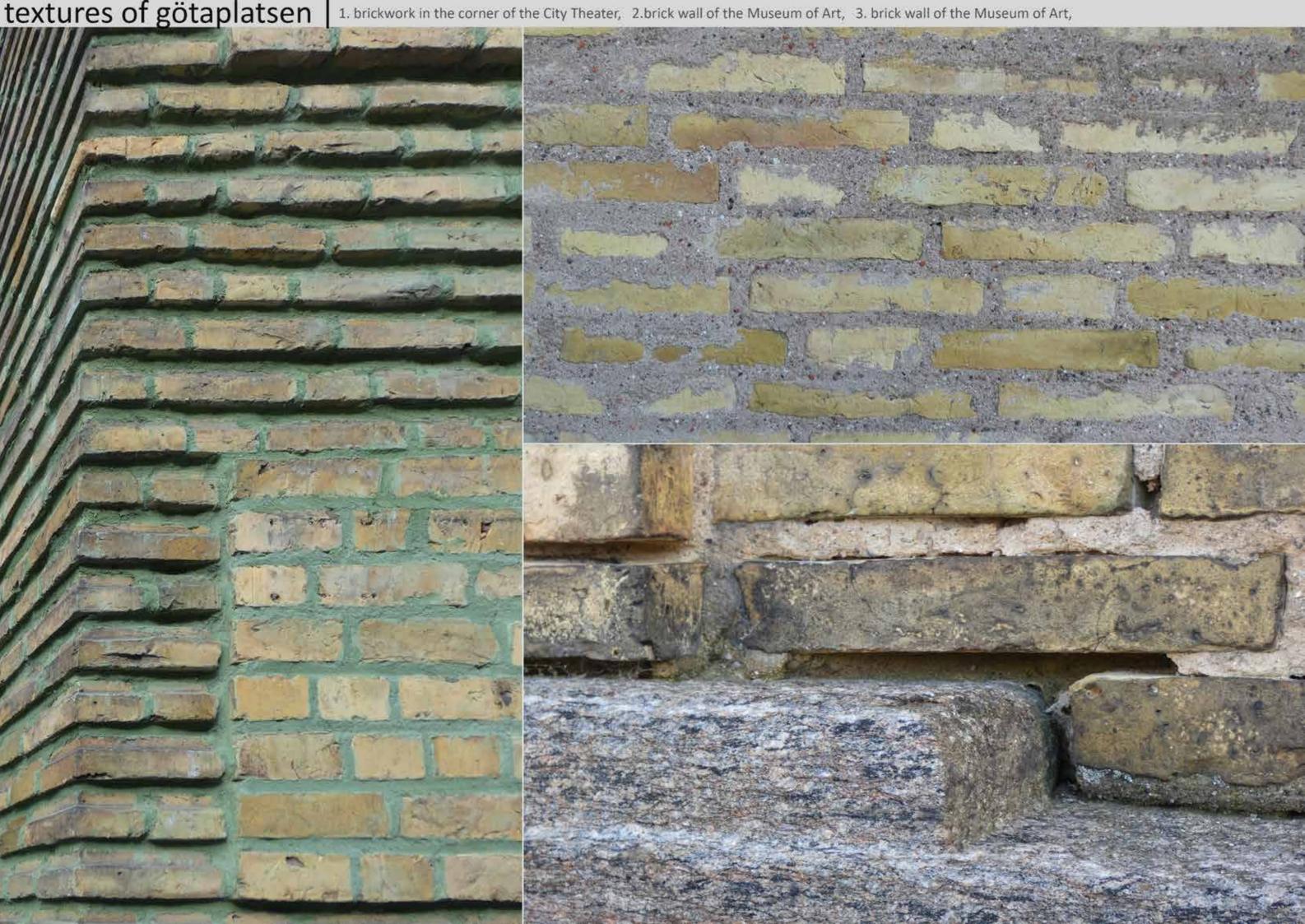
### textures of götaplatsen

material and texture transition in the corner of the Concert House









#### textures of götaplatsen

1,4. stone blockade walls of plaza before the entrance of the Museum of Art 2. brick wall of the Museum of Art, 3. color match facing the side façade of the City Library

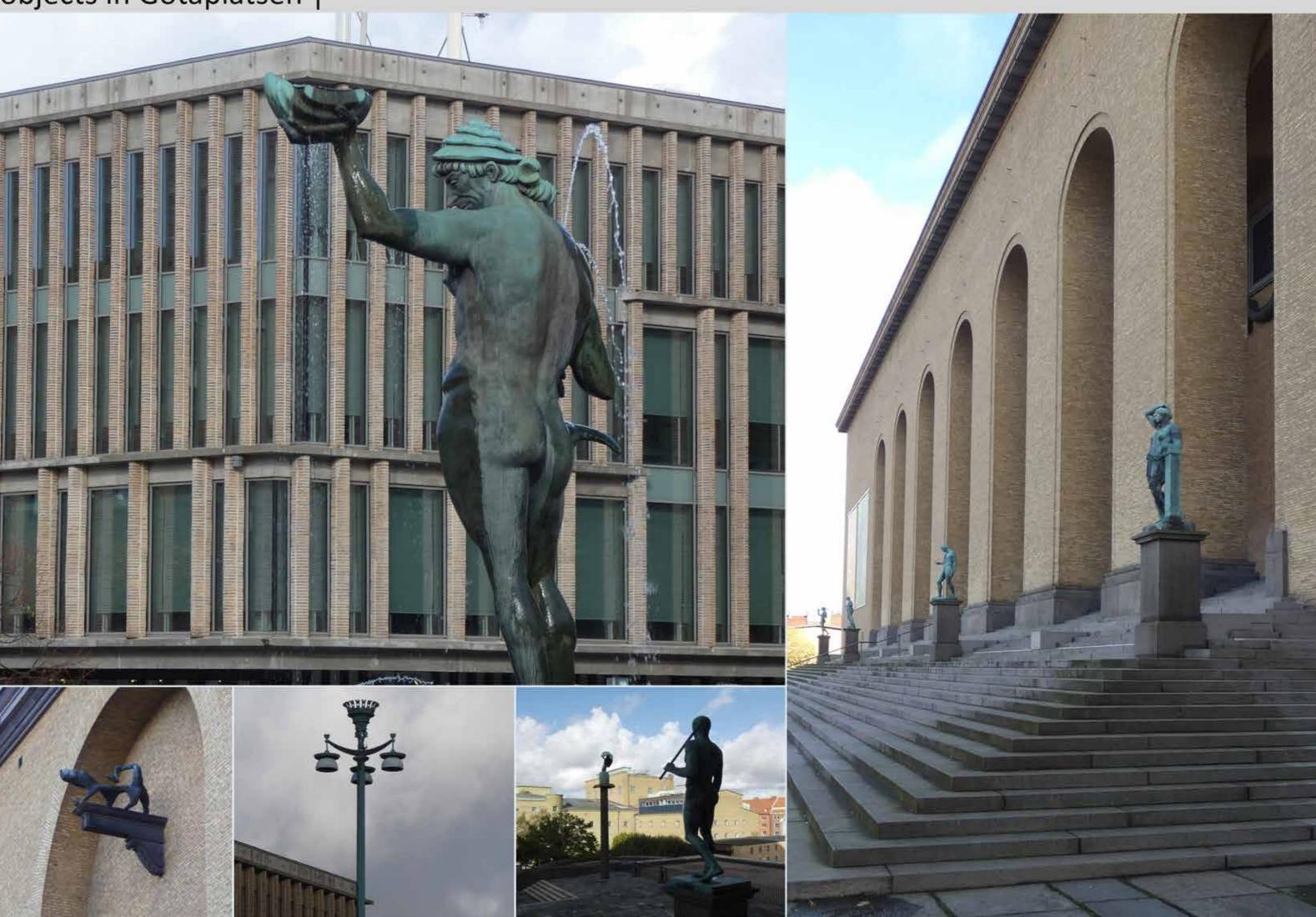




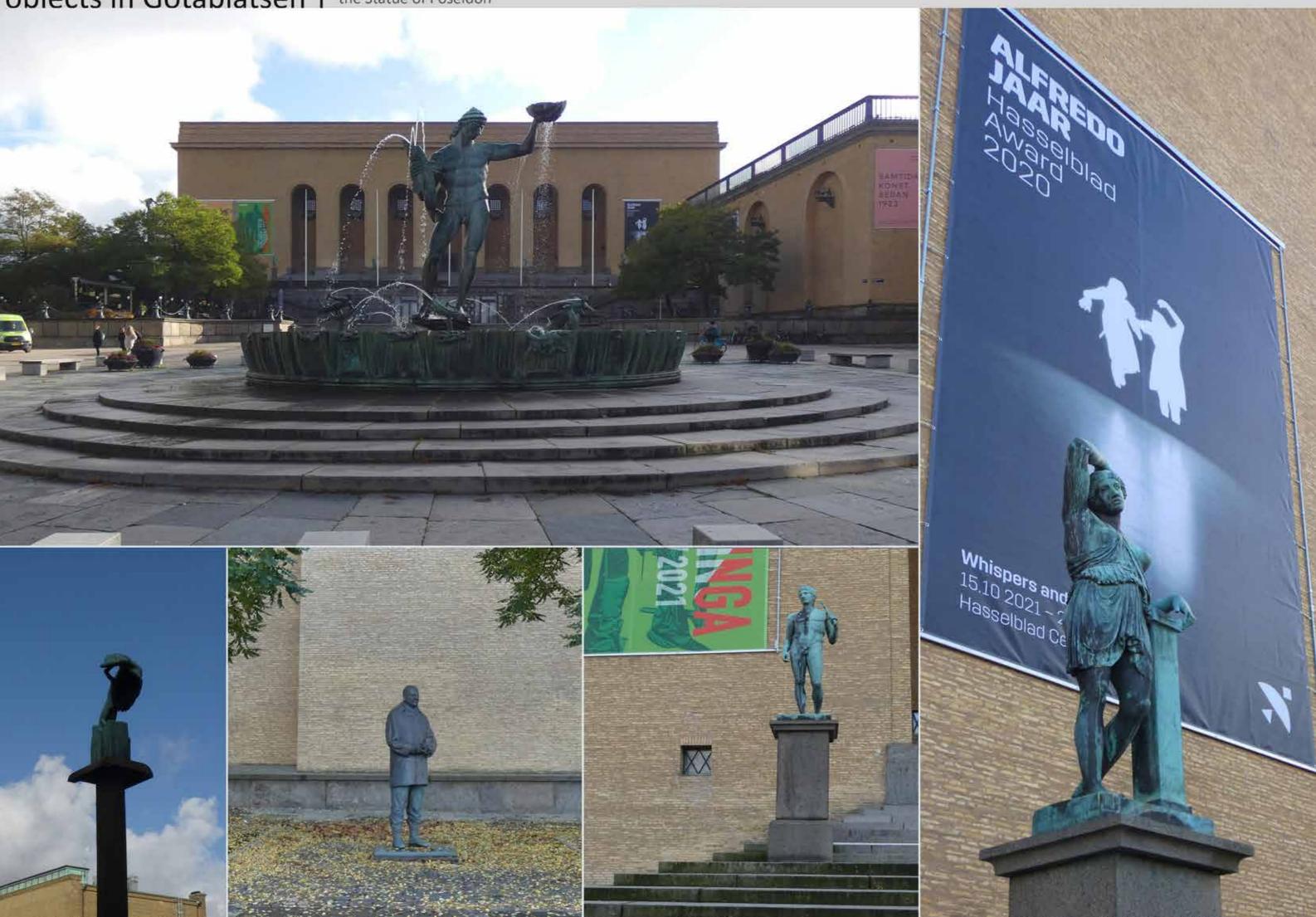
ii. Objects Around



### objects in Götaplatsen |



objects in Götaplatsen | the Statue of Poseidon





iii. Façades Surrounding

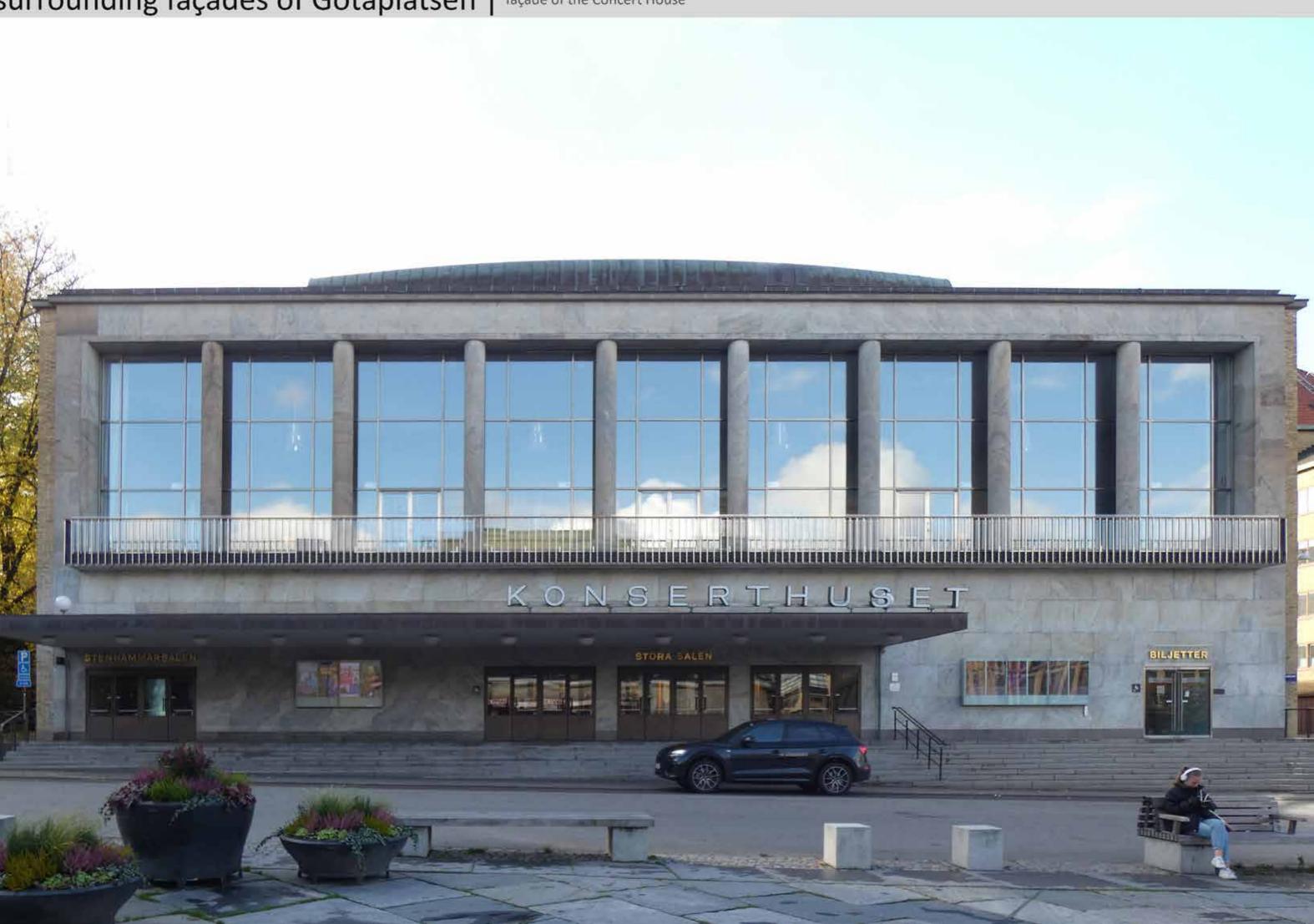
#### surrounding façades of Götaplatsen

façade of the Museum of Art

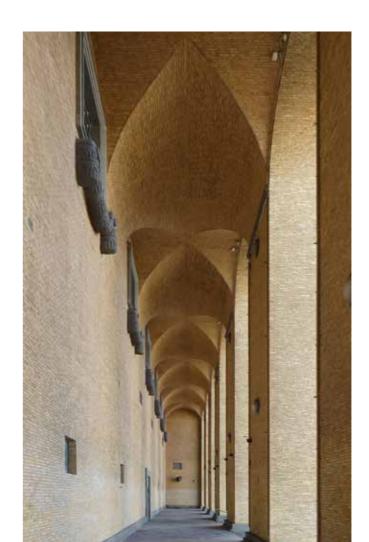


surrounding façades of Götaplatsen | façade of the City Theatre





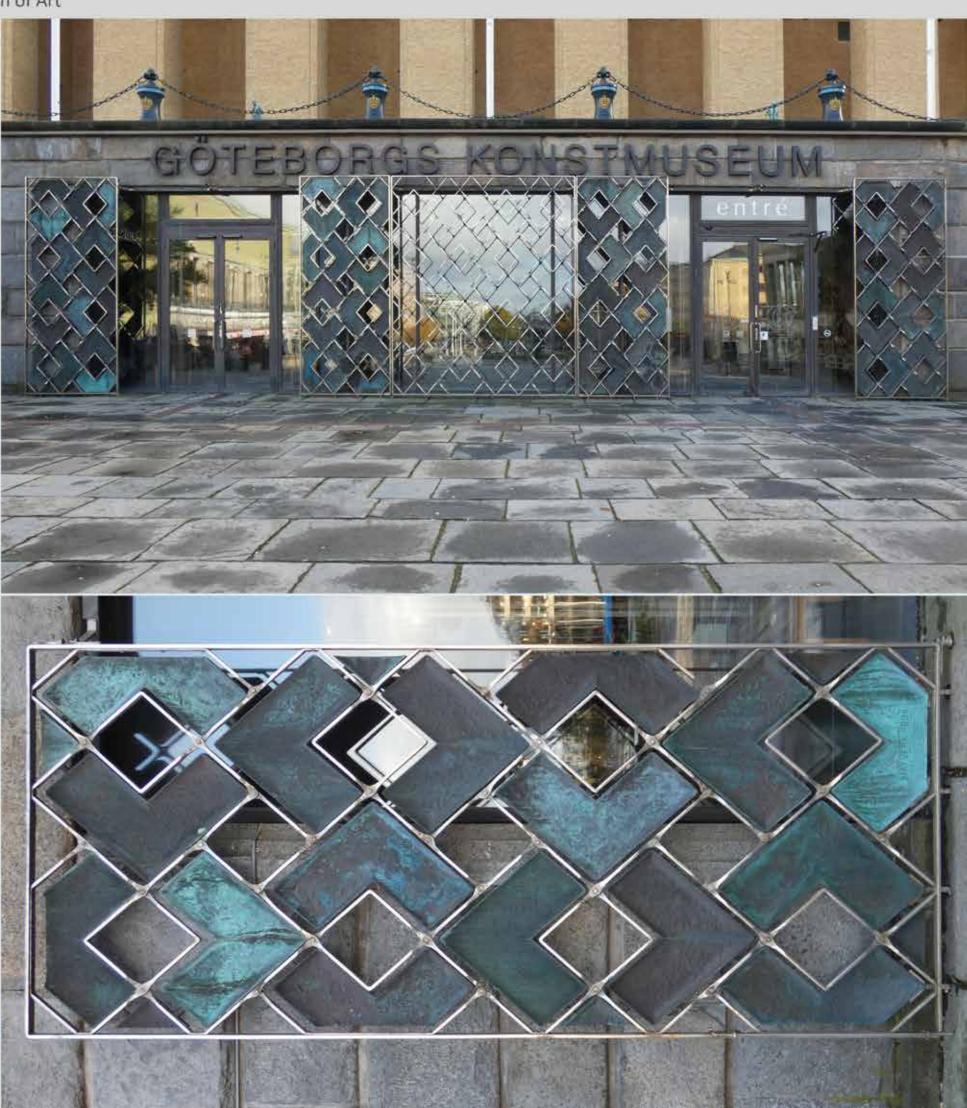
# iv. Modules of Buildings



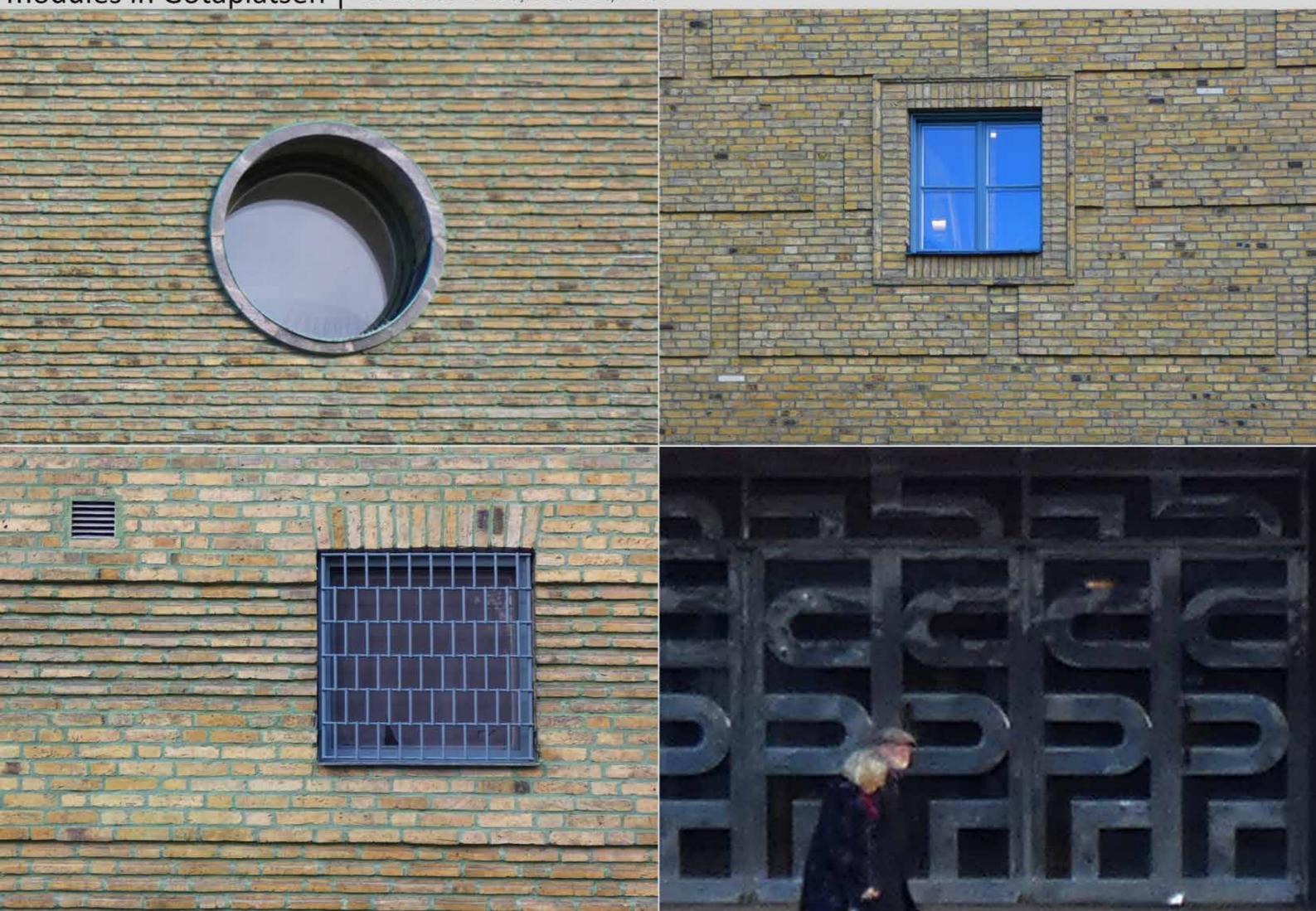
#### modules in Götaplatsen

modules of the Museum of Art





modules in Götaplatsen modules of the entrance façade of the City Theatre



#### modules in Götaplatsen





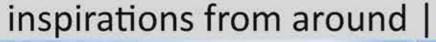
### modules in Götaplatsen

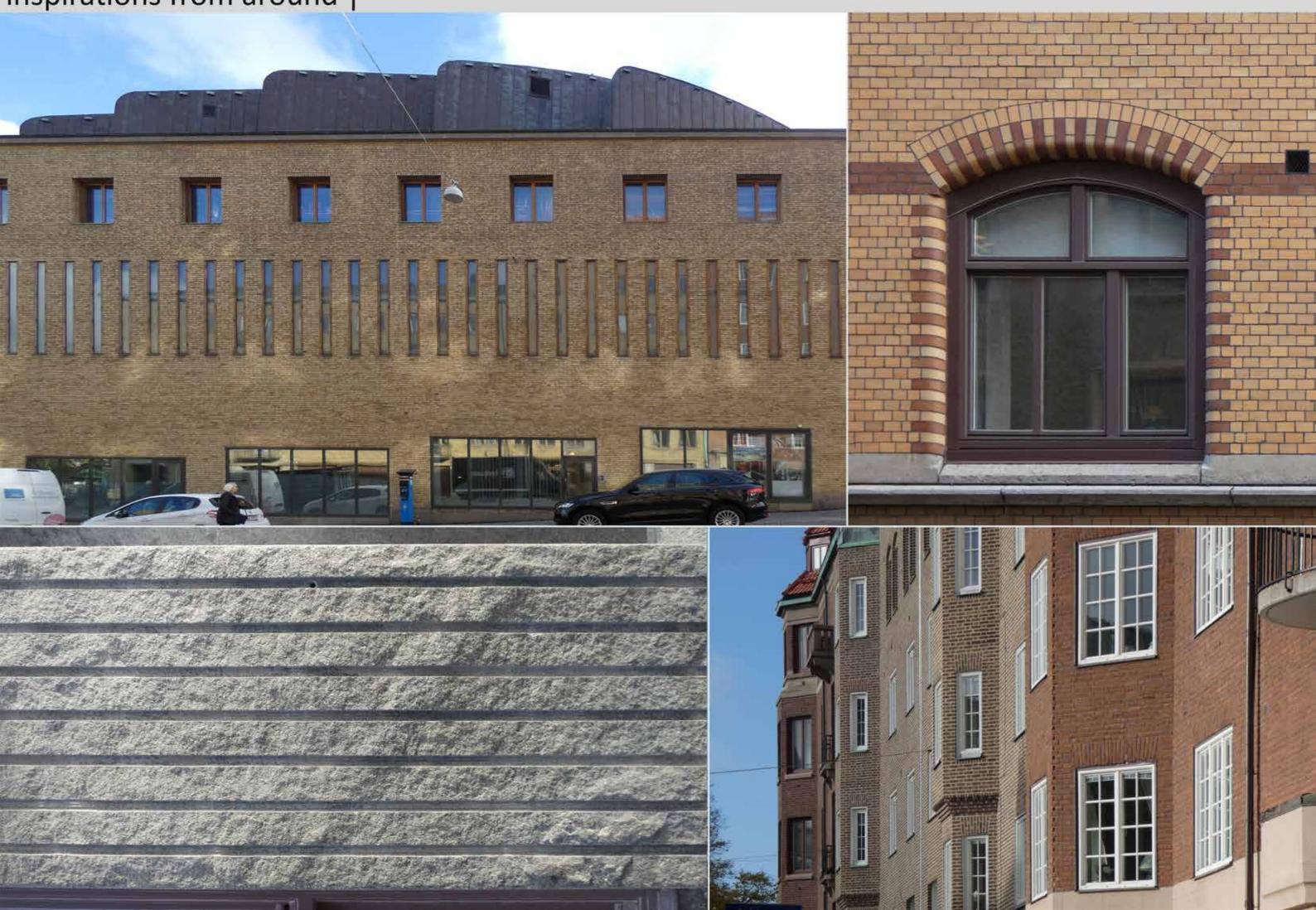
modules of the Museum of Art



# v. Inspirations from Around







inspirations from around



# inspirations from around |







# inspirations from around

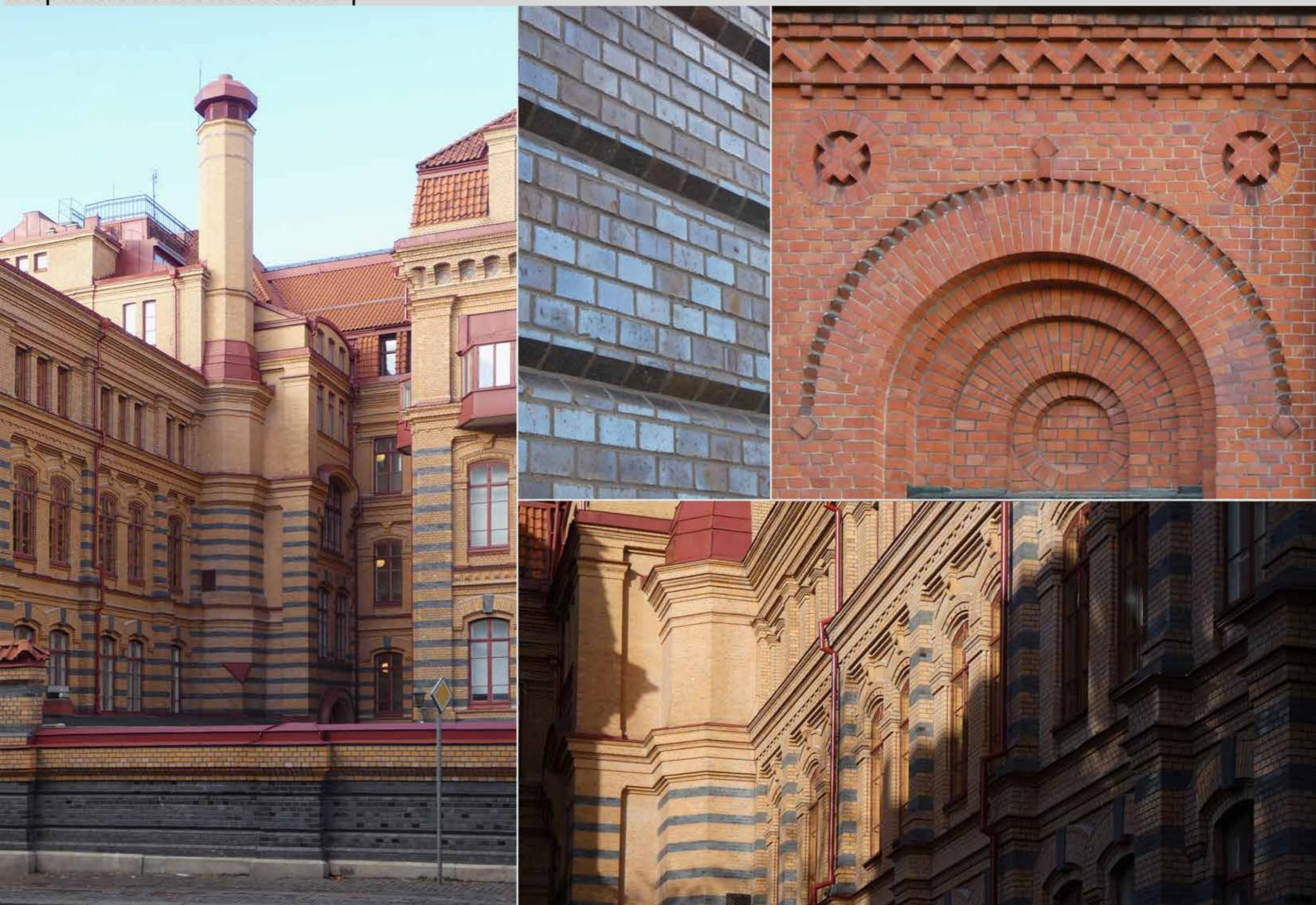


# inspirations from around |





## inspirations from around |



vi. Inventory of Interests

#### inventory of interests































# 1. BASE MATERIALS | INSPIRATION LIBRARY

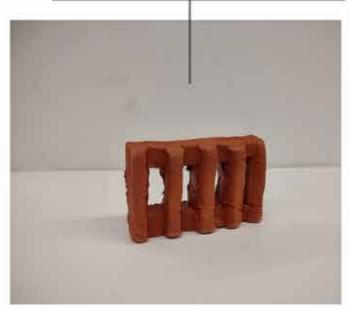
### 2. EXPERIMENTS

3. IMPLEMENTATIONS INTO THE CONTEXT

-then the experimentation phase would start and the clay experiments would take pieces of inspirations from Götaplatsen and it would allow to test ways of bulding up with building blocks,

phase 1



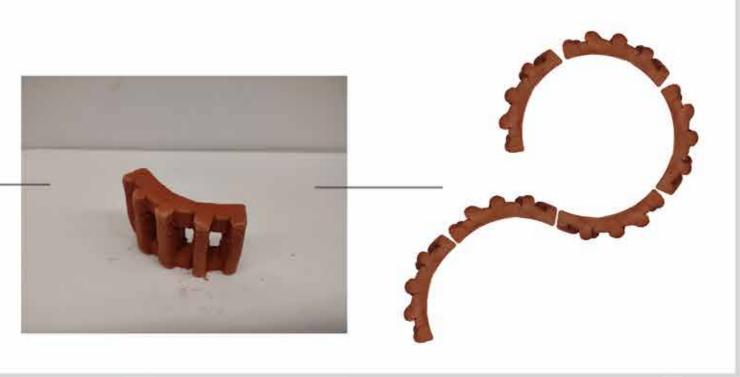


The rational and vertical series of the façades of both The City Library and The City Theatre inspired to work a brick that is a direct adaptation of that language. However, with the presence of organic form suchs as the Statue of Poseidon was an inspiration to curve the brick so that it would allow forming structures to responde to organic forms.

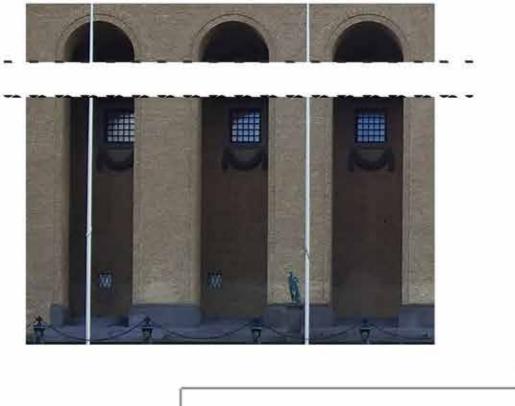




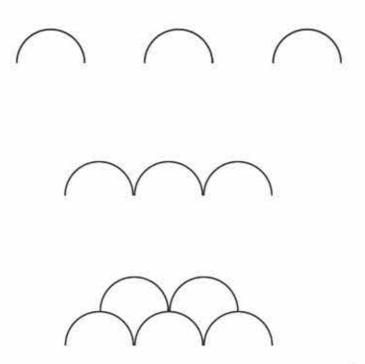


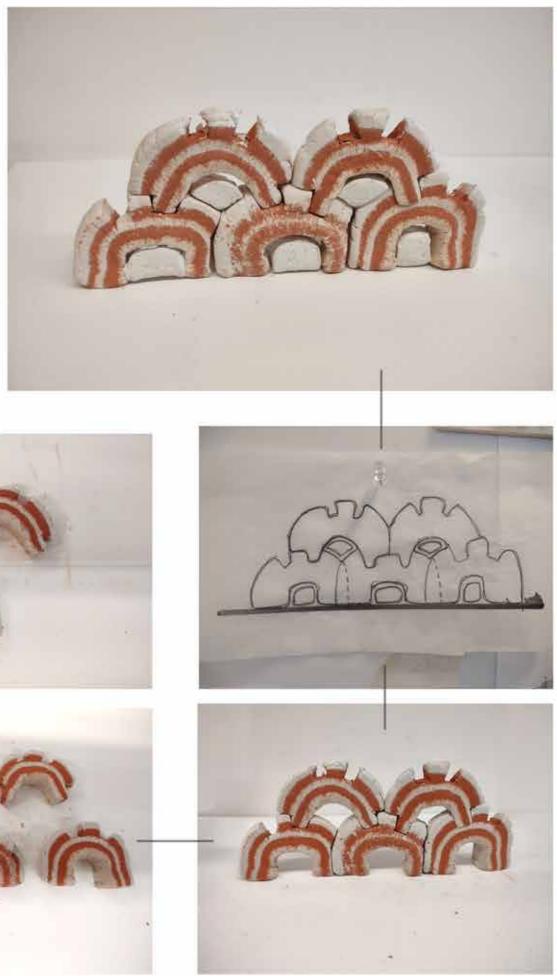


Inspired by arches of The Museum of Art, the rainbow bricks are consisting of two different clay layered and cut into stripes then bent to form the arches.



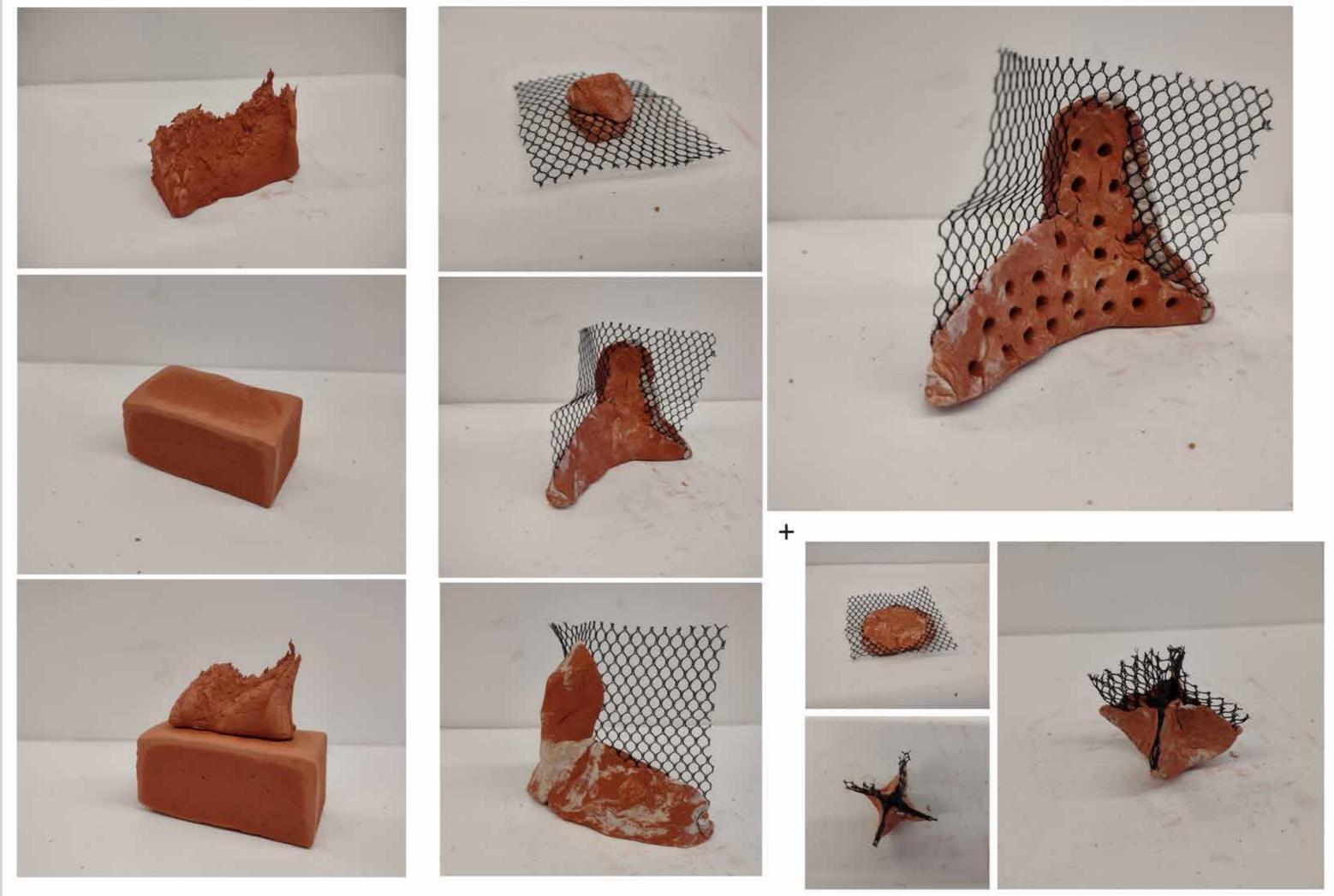
#2





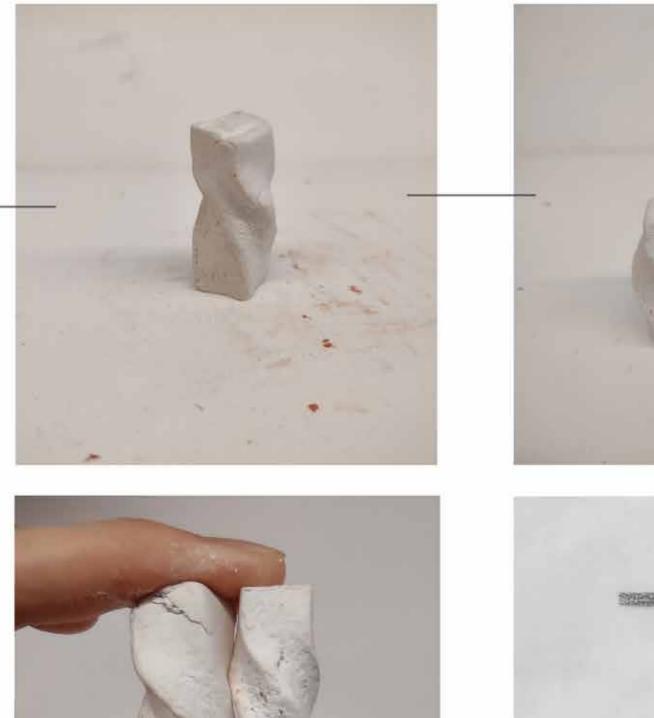


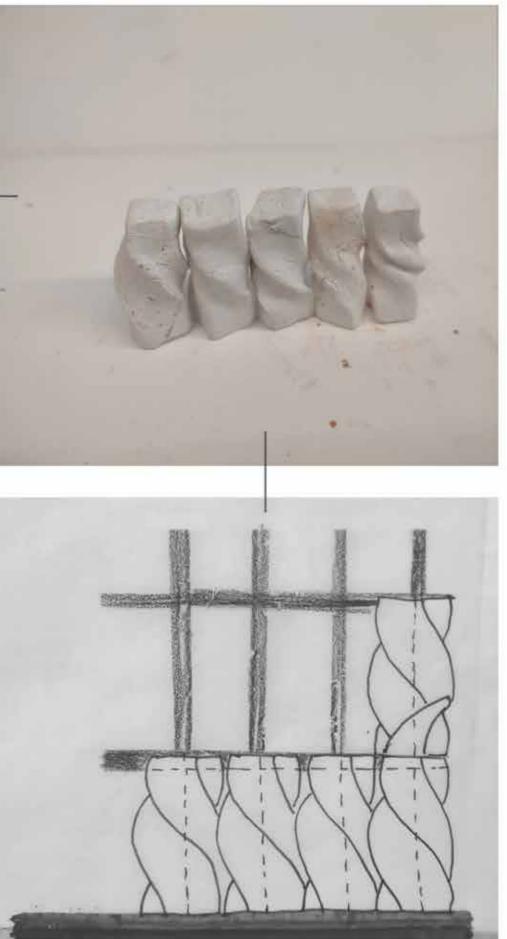
#3 In the first experimentation, the contrast between a solid block and the plasticity of clay was emphasized. The second experimentation is to test and see how clay would work with a mesh to form a structure and the clay is a mix of two differtent clay types.





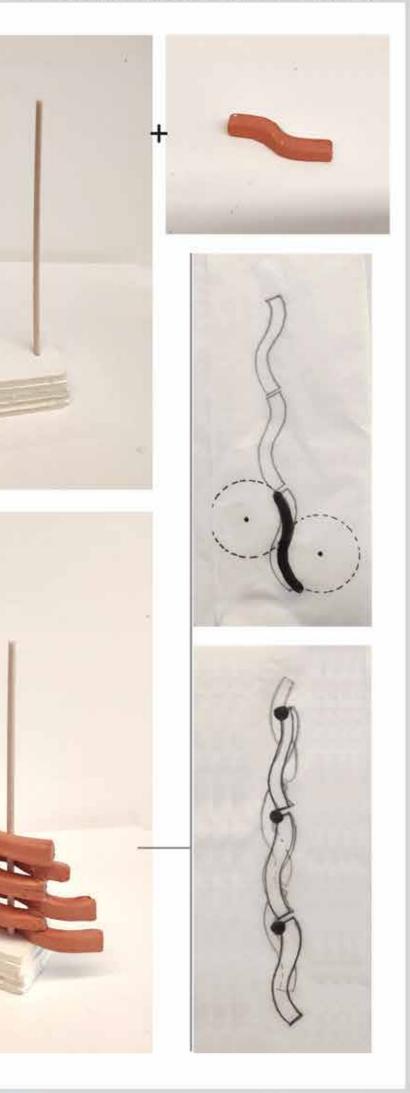
One of the unique features of Götaplatsen is the two statue/columns bearing the load of the roof covering the entrance of The City Theatre. The twist of the statue inspired a brick block to explore the curves that would be created with the possible compositions of this twist.

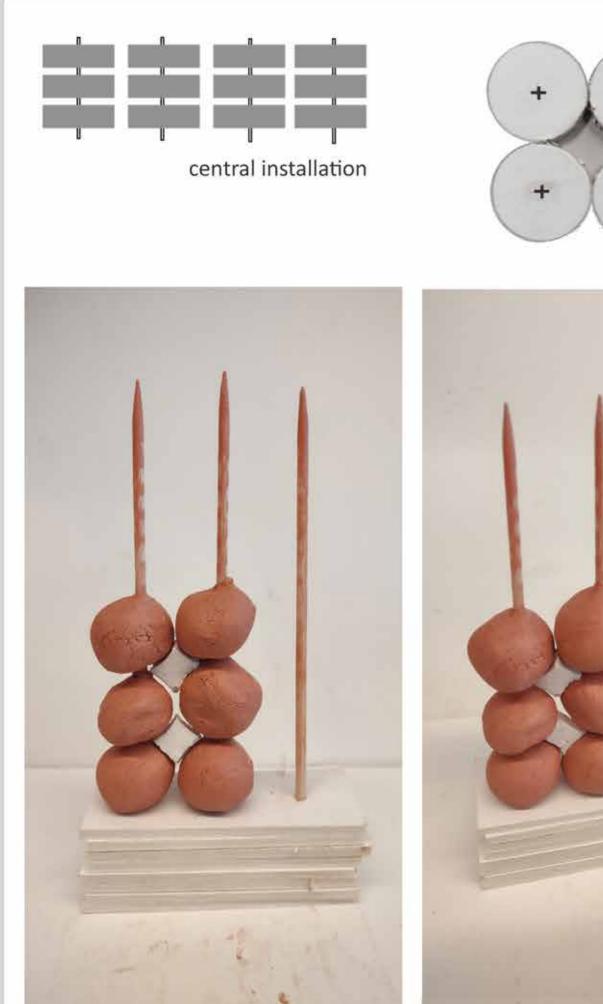




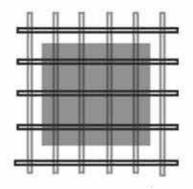
frame structure supported brick wall



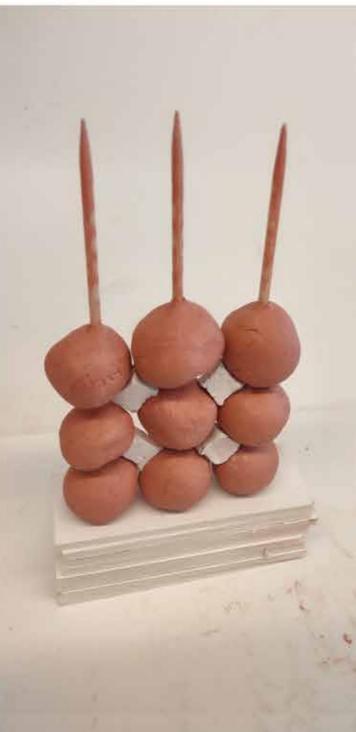




#6



caging



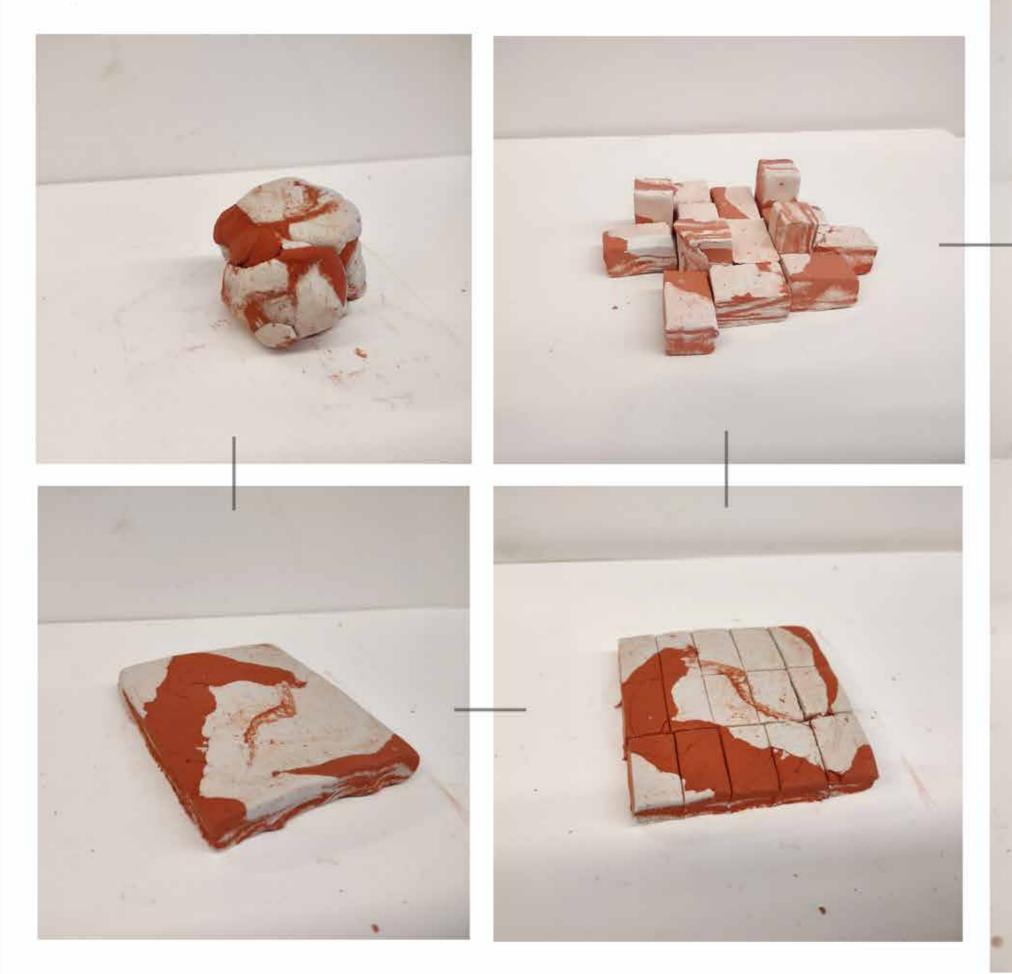
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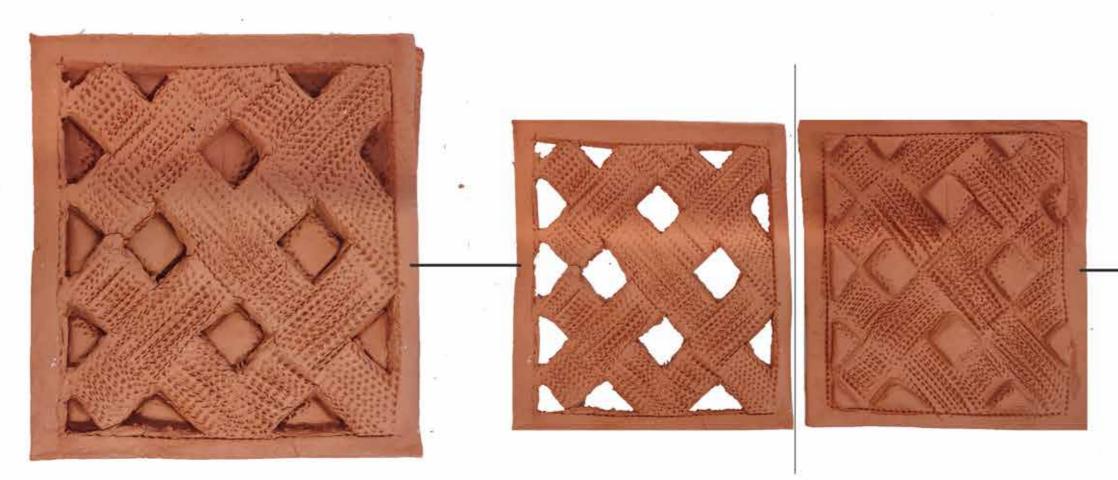


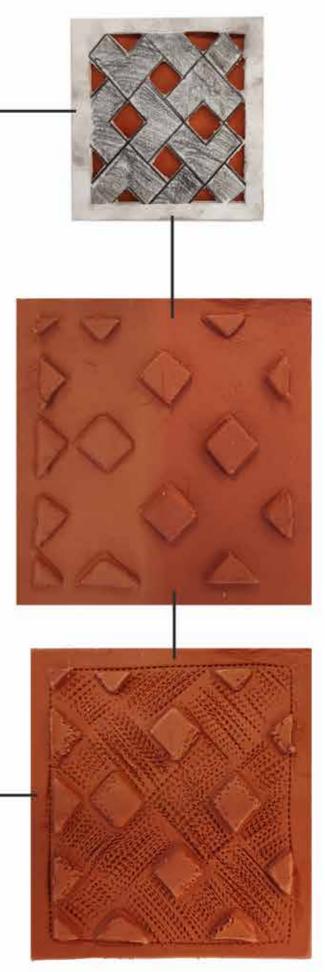
#7 The inspiration behind textured bricks was mixing two clay types and trying see the patterns and shapes it would create.



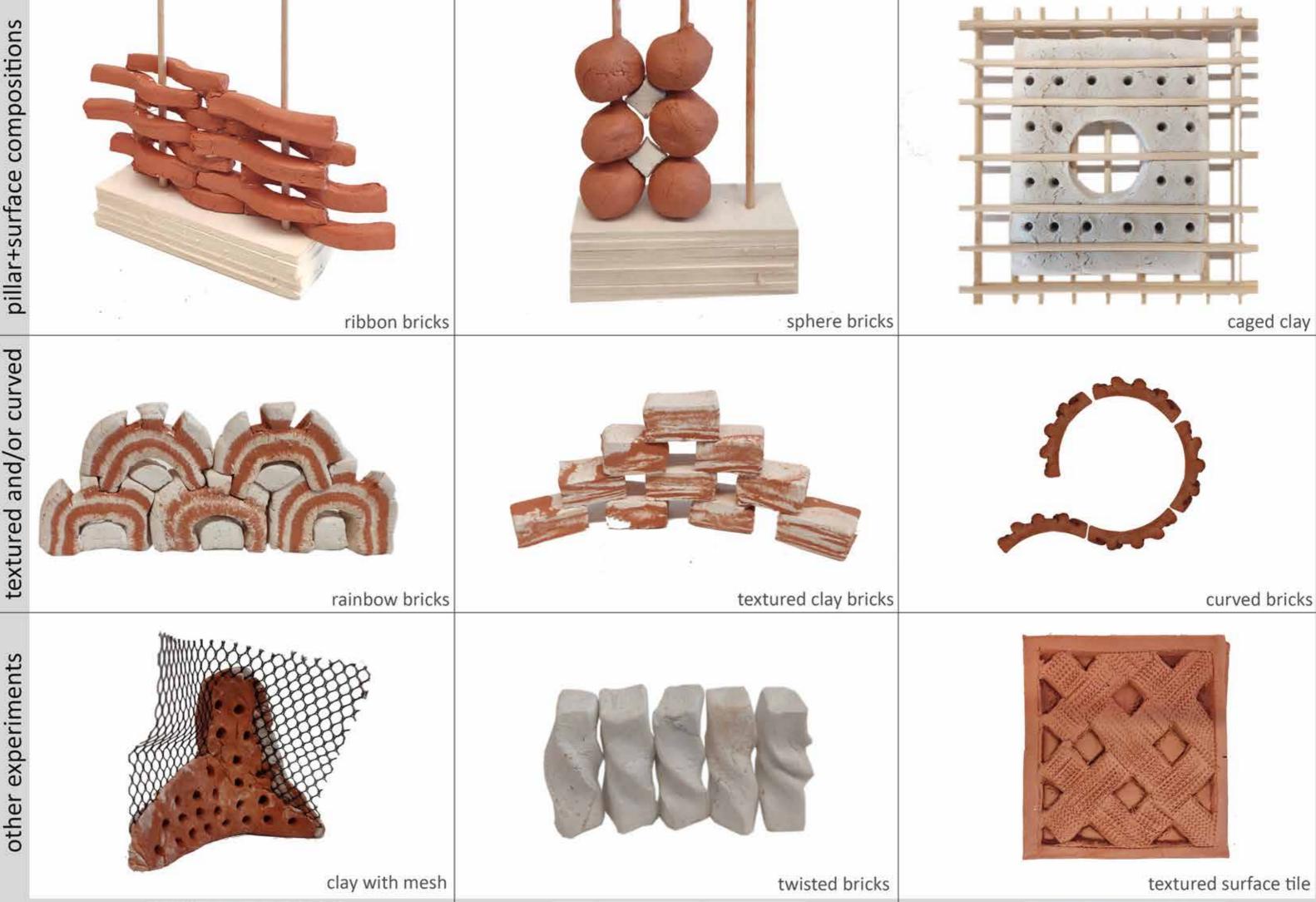








catalogue of experiments - phase 1 focusing on the reference inspirations and the inspirations that clay as a material can give.



phase 2



The intiutional idea behind the two assemblages was to compose the left-over pieces that were created during the experimentation phases and to see what character they would create due to their various shapes.





**#10** The experiments below was for exploring the oppurtunity that clay is giving as a material to let free-form surface to be formed and processed.





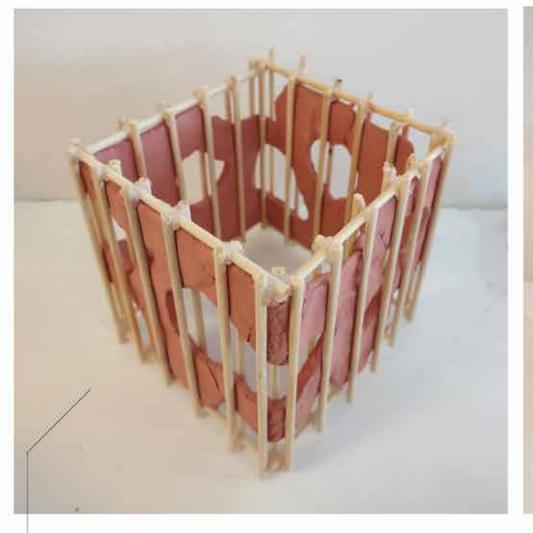


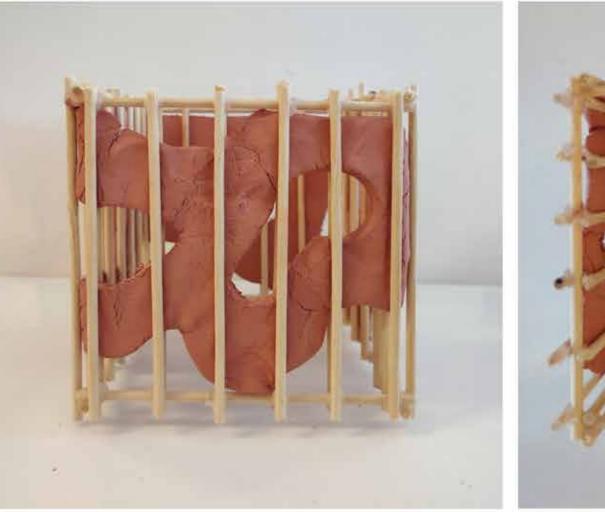




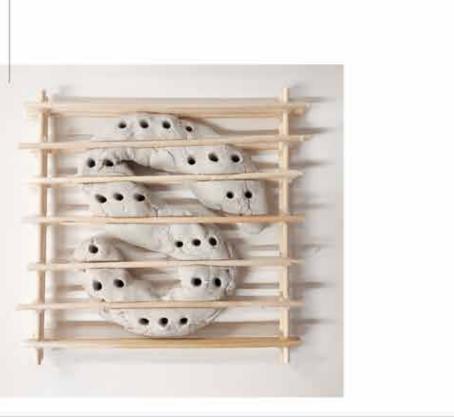


### #11

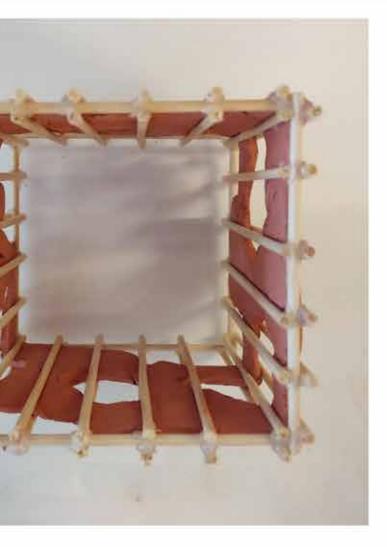




Caged clay exploration was taken further to see the spatial effects and qualities that it can create.

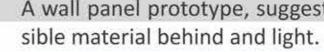




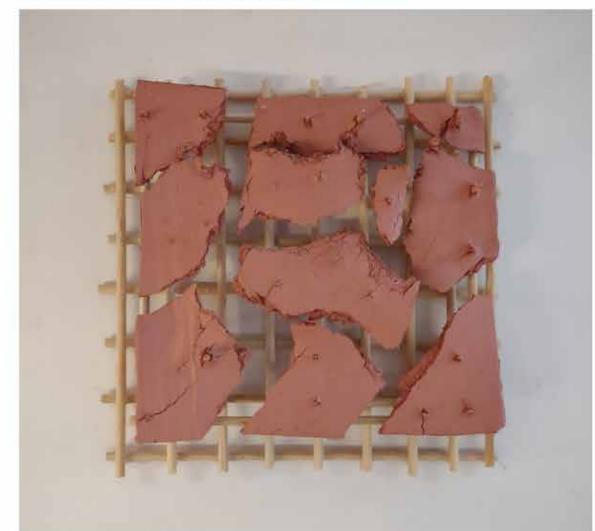




#12 The experiment was to test free-formed surface clay working with compression and to see possible spatial quailites it would bring.









profiled on the surface to strengthen and respond to bending and twisting forces +

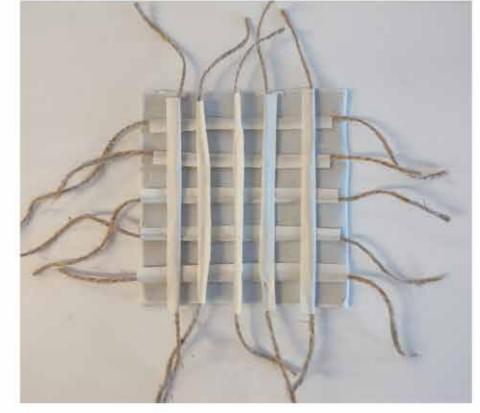


A wall panel prototype, suggesting a relation with the pos-



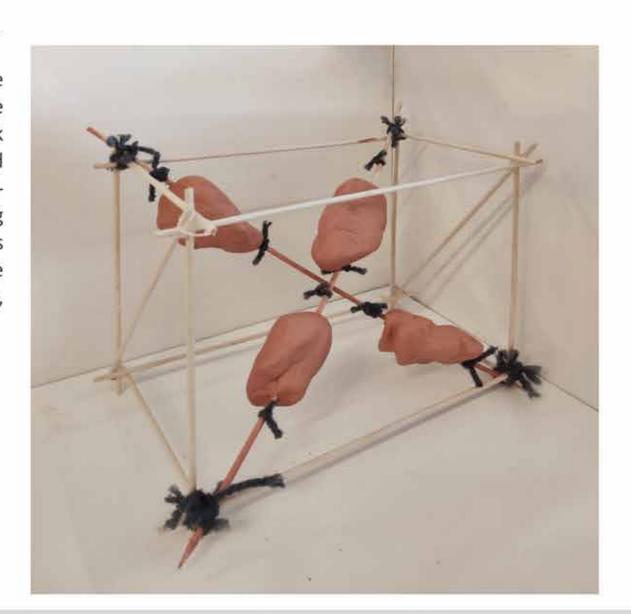
**#13** Below is an experiment on reinforced clay to support surfaces.



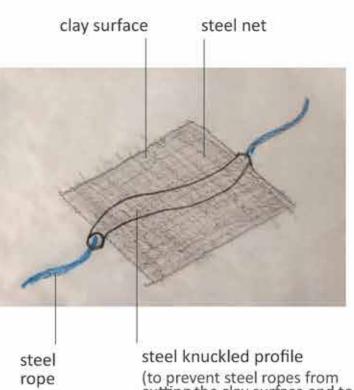


+

a frame reference to a brick block and leaving referencing pieces within the frames,

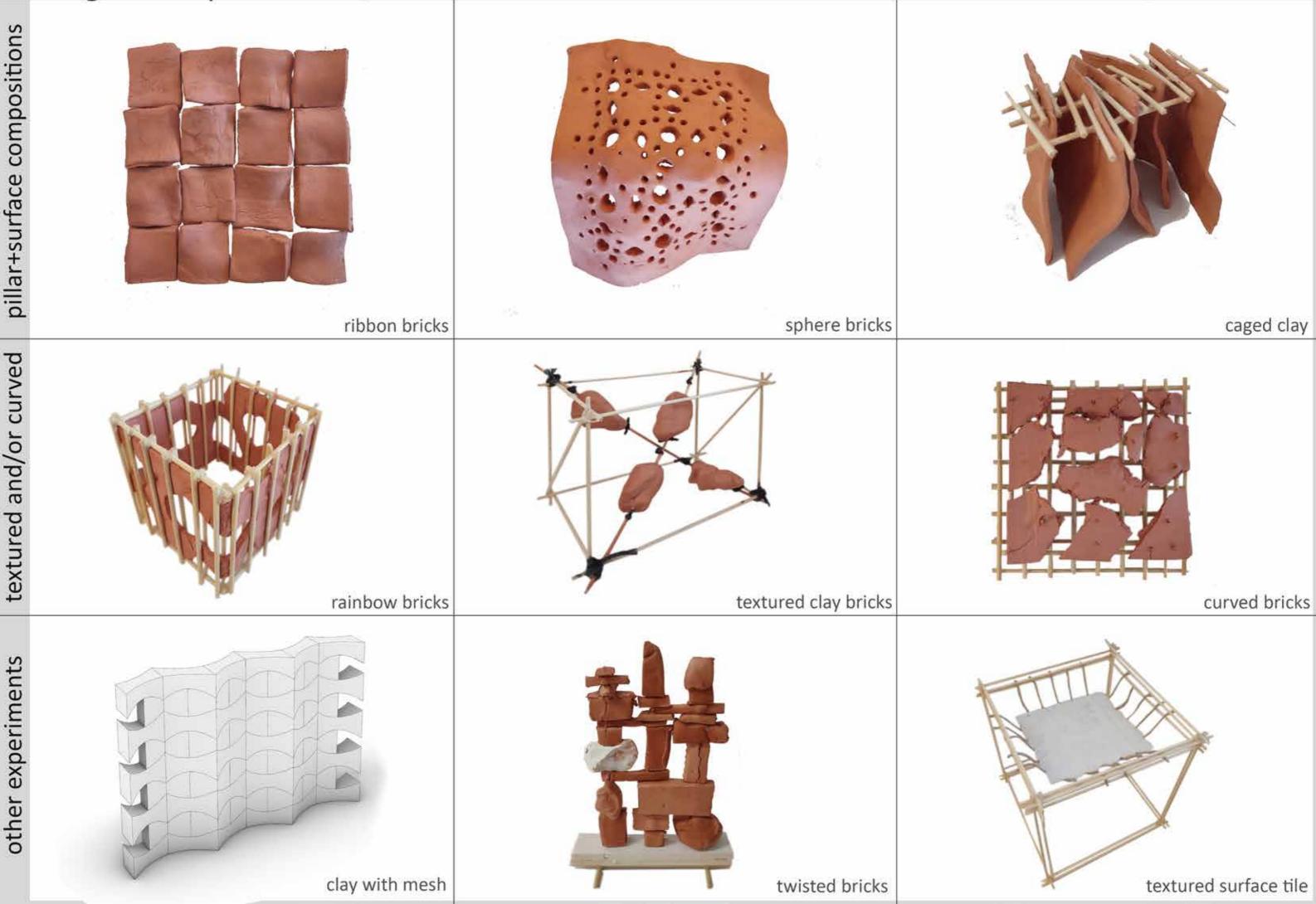






(to prevent steel ropes from cutting the clay surface and to give steel ropes a range of movement within the profile)

### catalogue of experiments - phase 2 focusing on the reference inspirations and the inspirations that clay as a material can give.



### 1. BASE MATERIALS | INSPIRATION LIBRARY

2. EXPERIMENTS

## 3. IMPLEMENTATIONS INTO THE CONTEXT

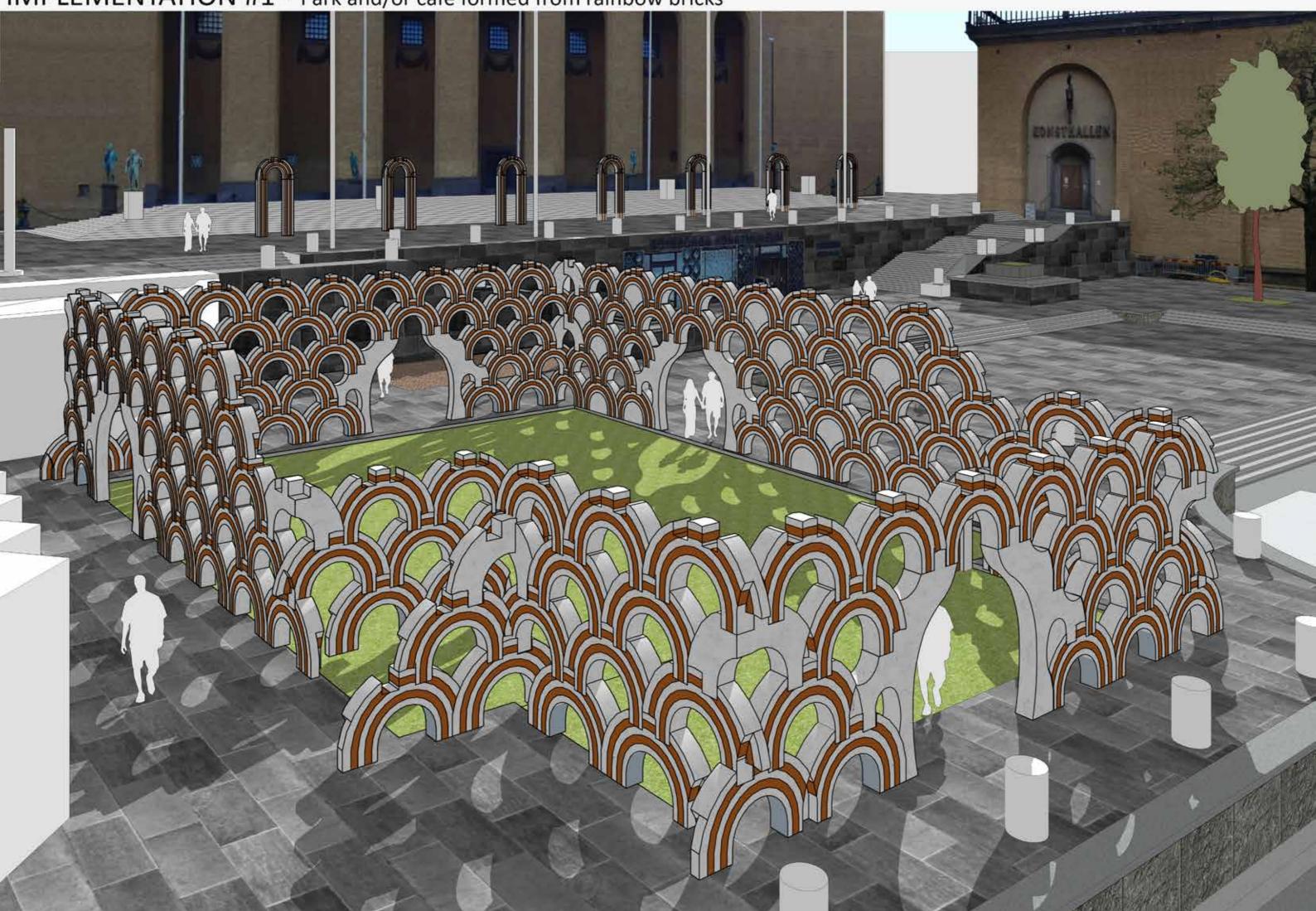
after the experiments the building blocks were implemented into the context and were tested structurally to speculate on how and what a building system could be designed following the experiments.

Implementation 1

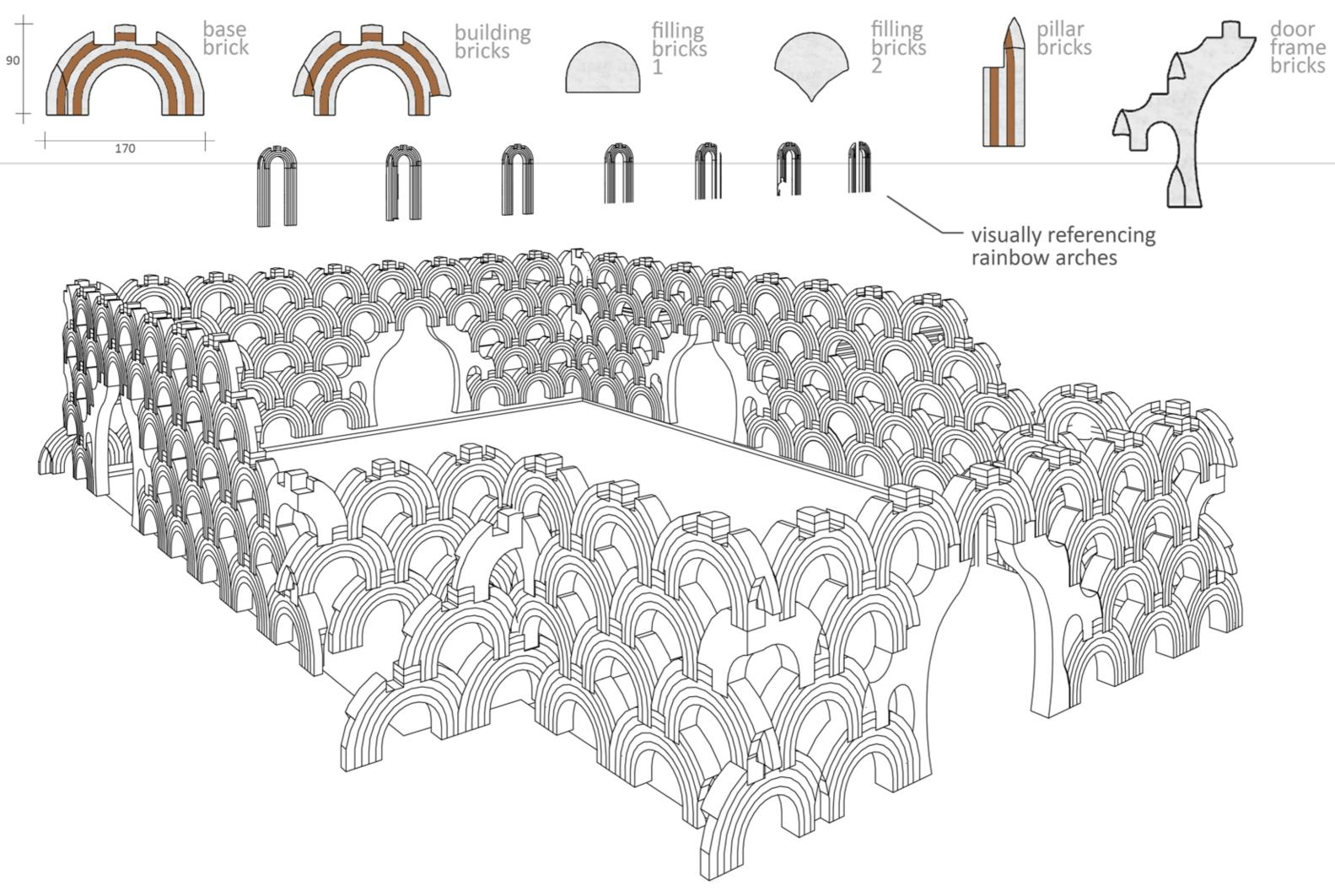


The small plot where once hosted a temporary structure for the Gothenburg Exhibition in 1923, is now fenced with rainbow bulding blocks that fantasizes arches serves as a semi-open space as an extension to the café/restaurant behind it.

IMPLEMENTATION #1 - Park and/or café formed from rainbow bricks



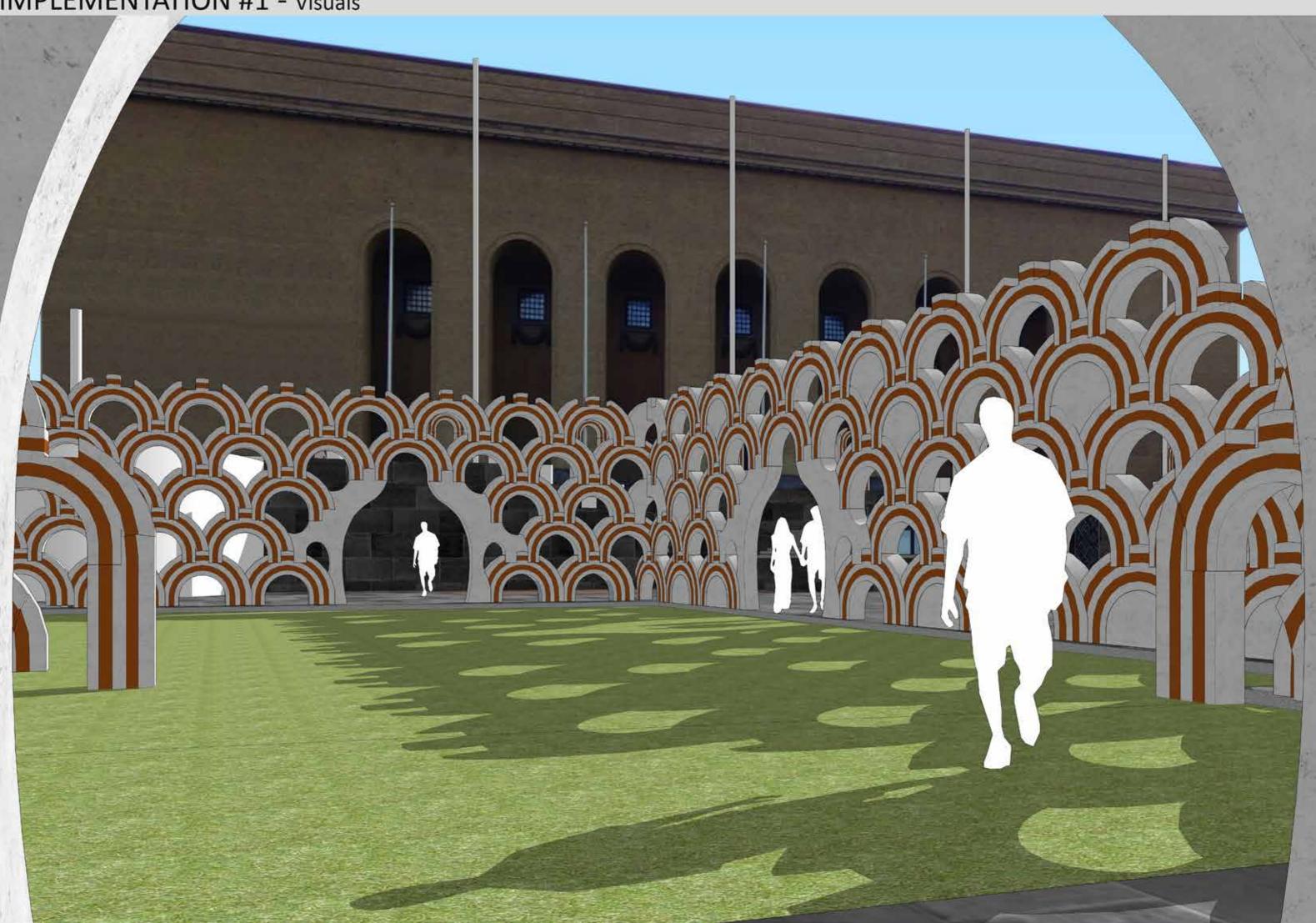
### **IMPLEMENTATION #1** - Park and/or café formed from rainbow bricks

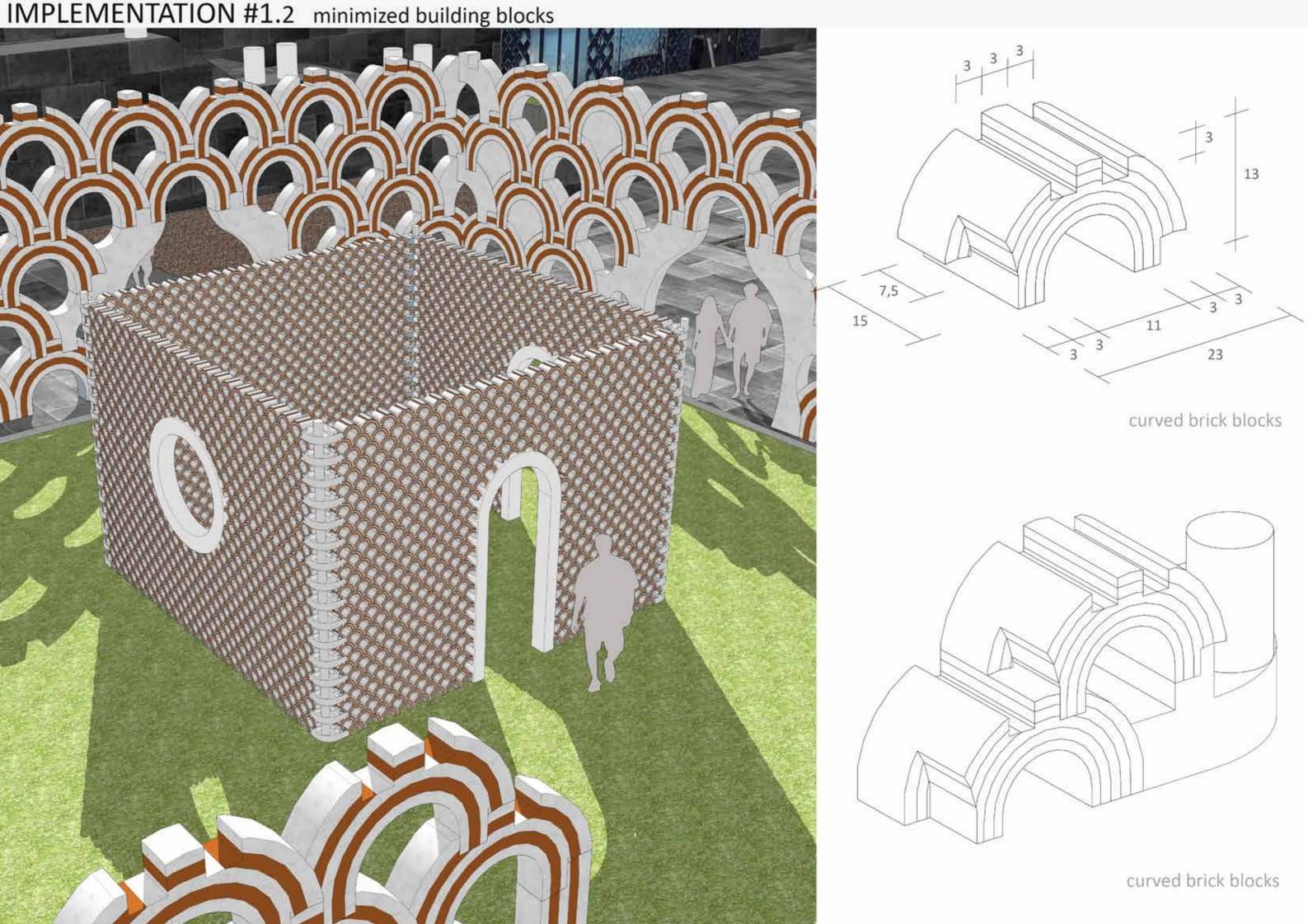


## **IMPLEMENTATION #1** - Visuals



**IMPLEMENTATION #1** - Visuals









Implementation 2

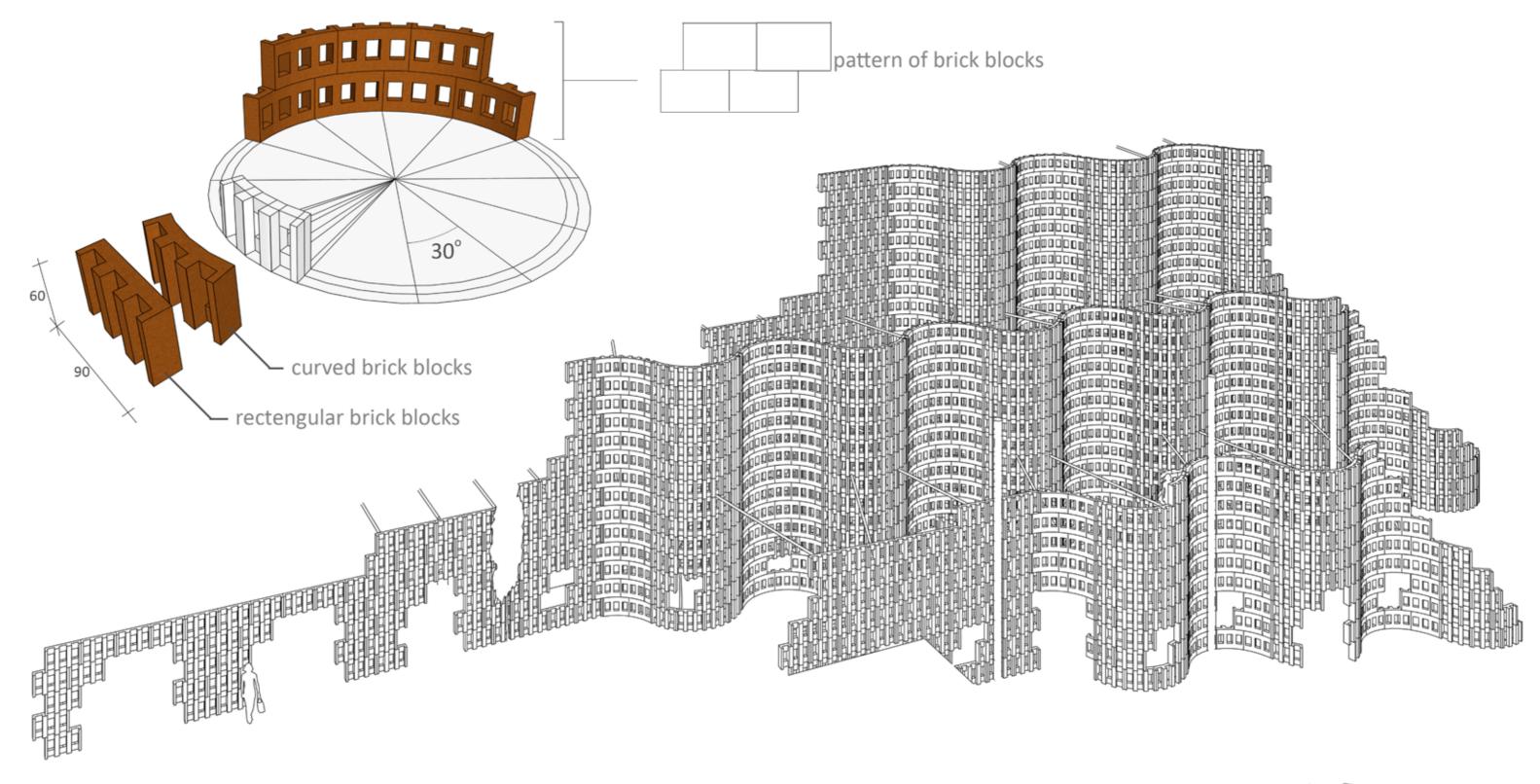


a passage experience in front of The City Library

### **IMPLEMENTATION #2** - passage experience



### **IMPLEMENTATION #2** - passage experience



3rd layer of supportive structure

2nd layer of supportive structure

1st layer of supportive structure



IMPLEMENTATION #2 - visuals



### **IMPLEMENTATION #2** - visuals



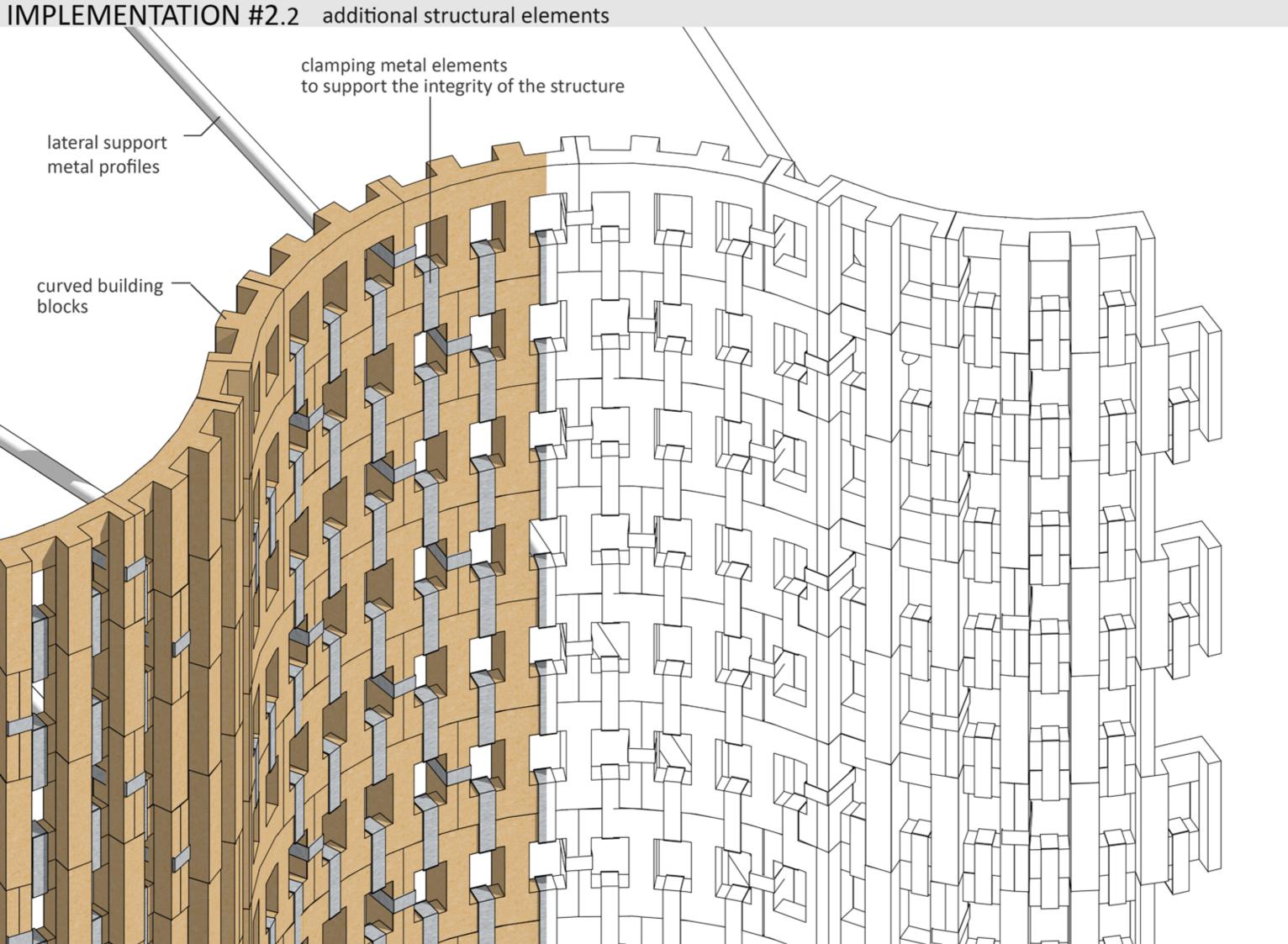
### **IMPLEMENTATION #2** - visuals



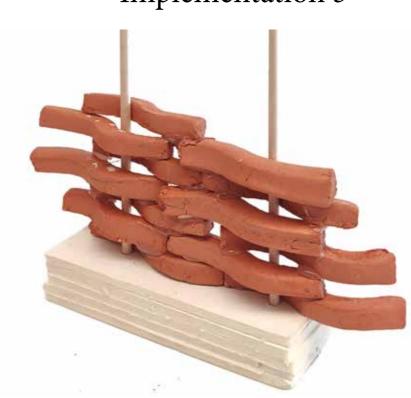
# IMPLEMENTATION #2.2 colour adjustment and additional structural elements







### Implementation 3



The transition wall and the gate: There lies a long service road serving to the City Concert Hall, in between two buildings, is now gated with a transitioning wall consisting of a ribbon wall system in which the building blocks curve from one vertical structural element to the other, that can potentially attaract people into an open air road of sculptures and arts.

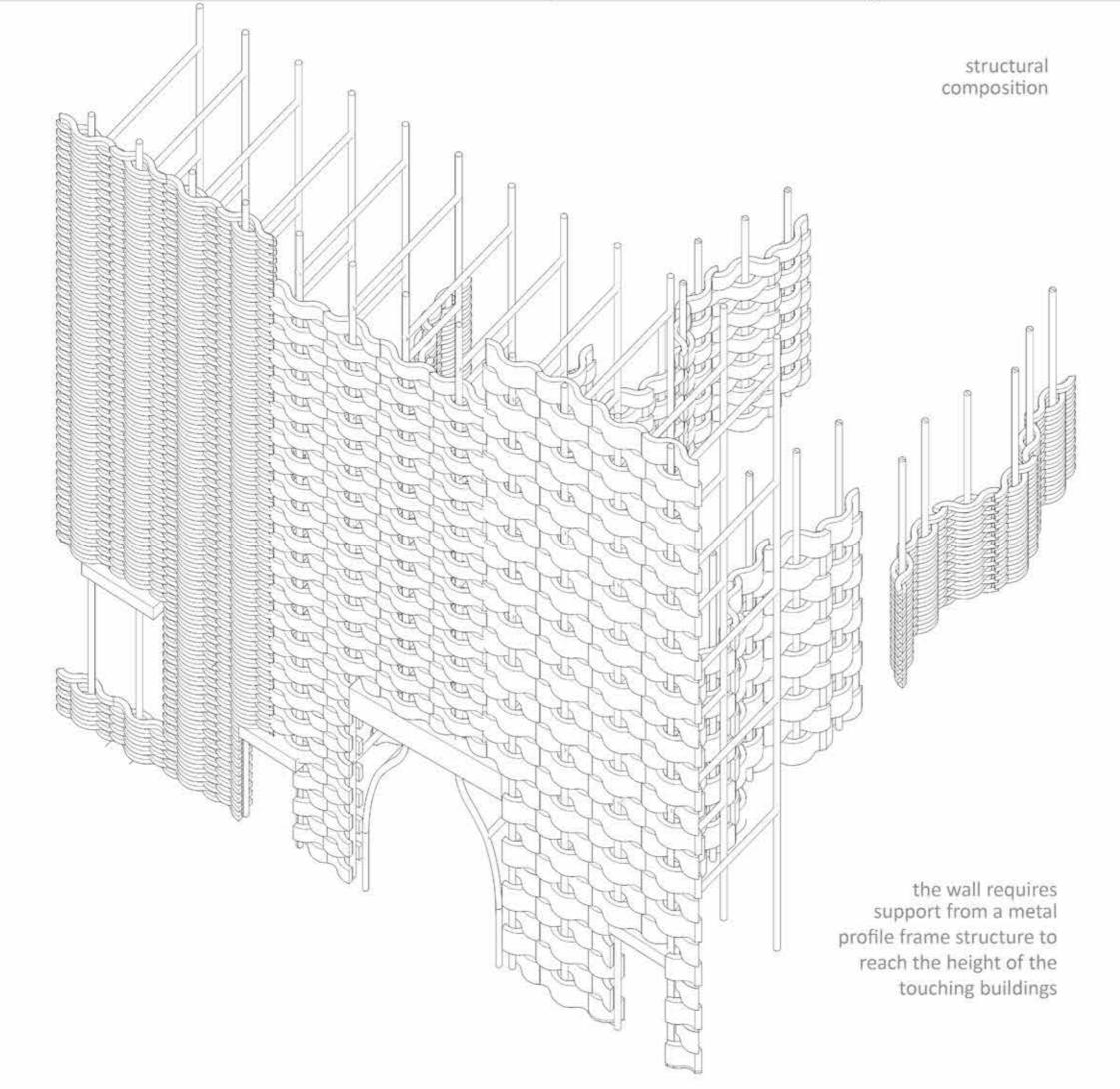


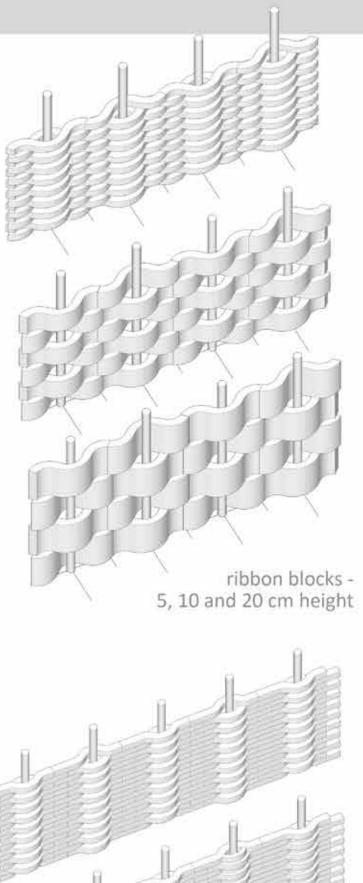
**IMPLEMENTATION #3** - transitional composition in block size and colour between the two façades



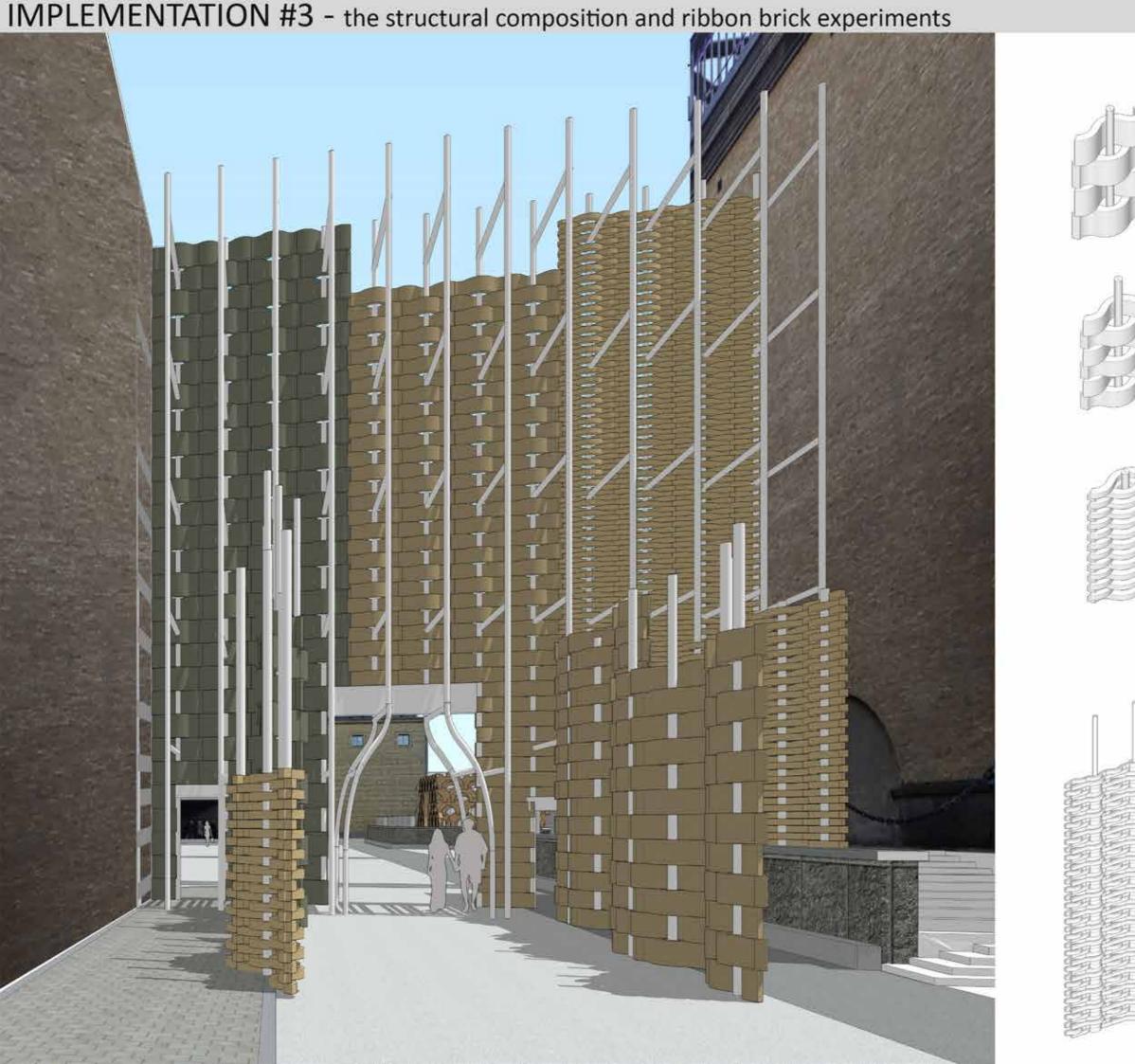


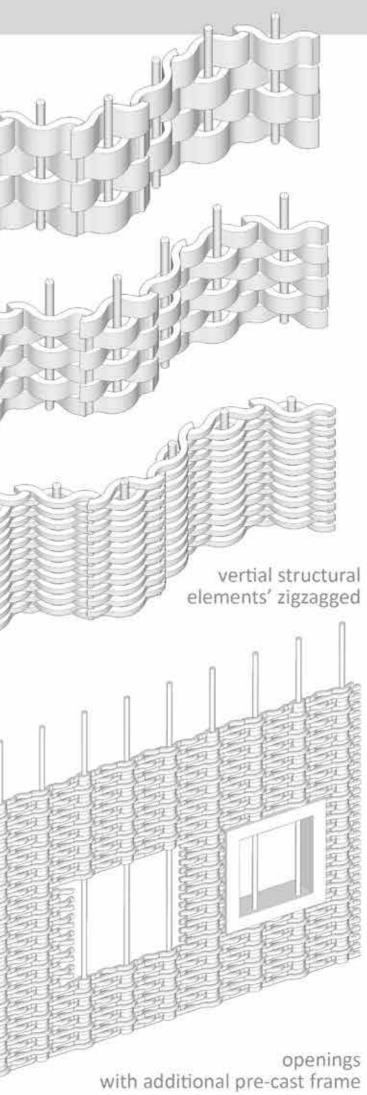
### **IMPLEMENTATION #3** - the structural composition and ribbon brick experiments





wall system with more flat surface + gap fillingblocks





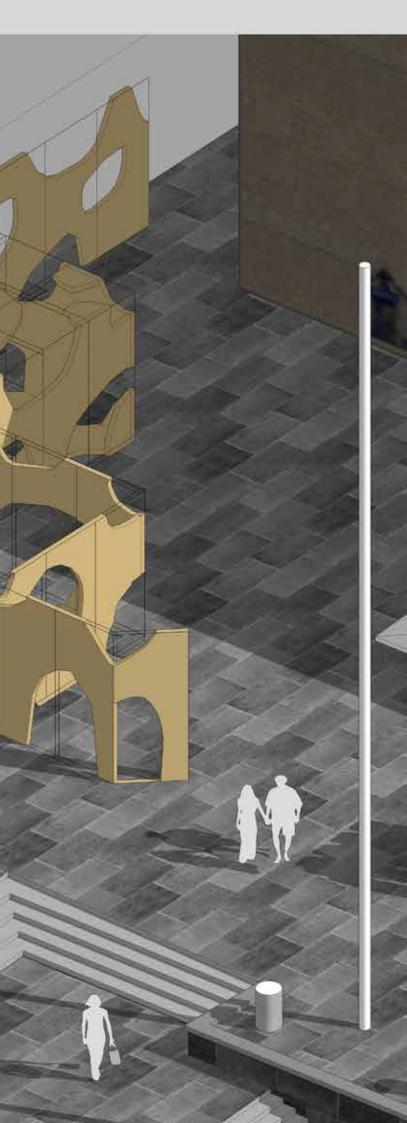
# Implementation 4



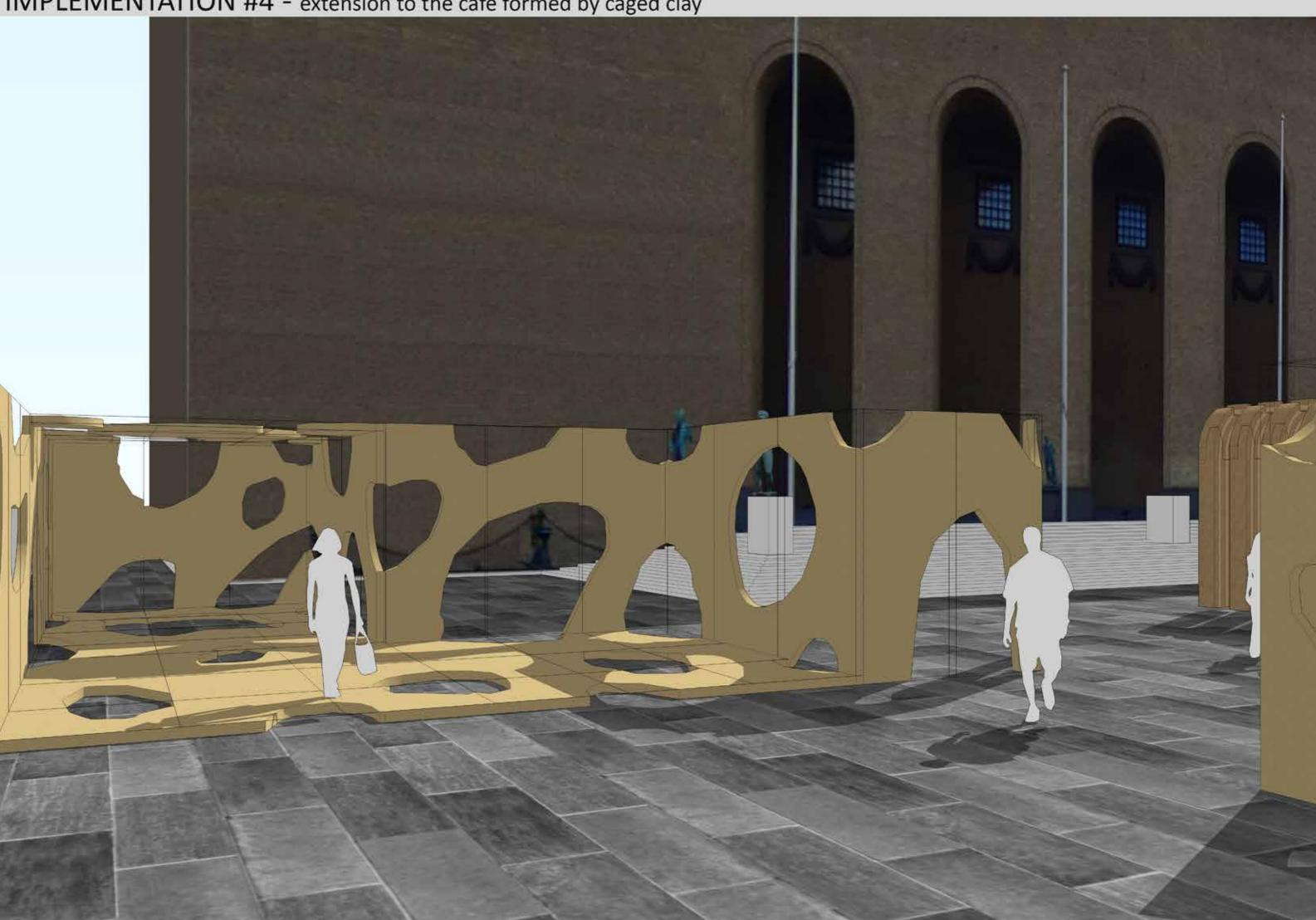


## IMPLEMENTATION #4 - extension to the café formed by caged clay

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IMPLEMENTATION #4 - extension to the café formed by caged clay

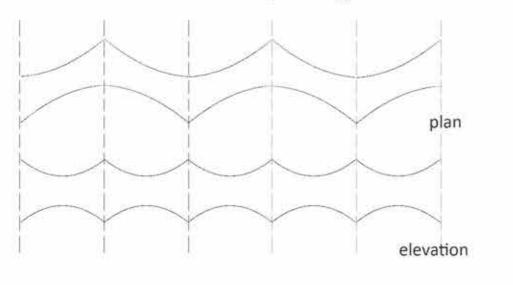


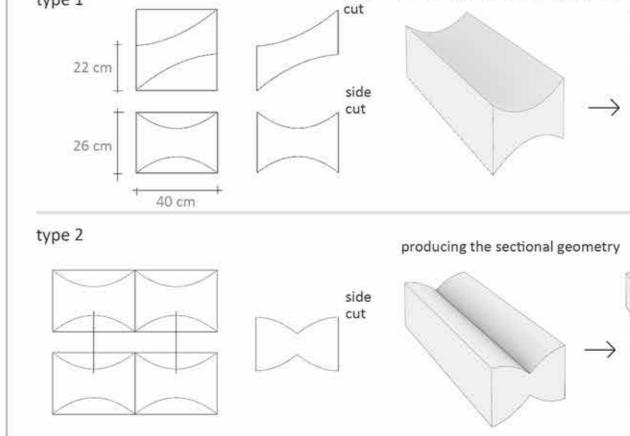
Implementation 5

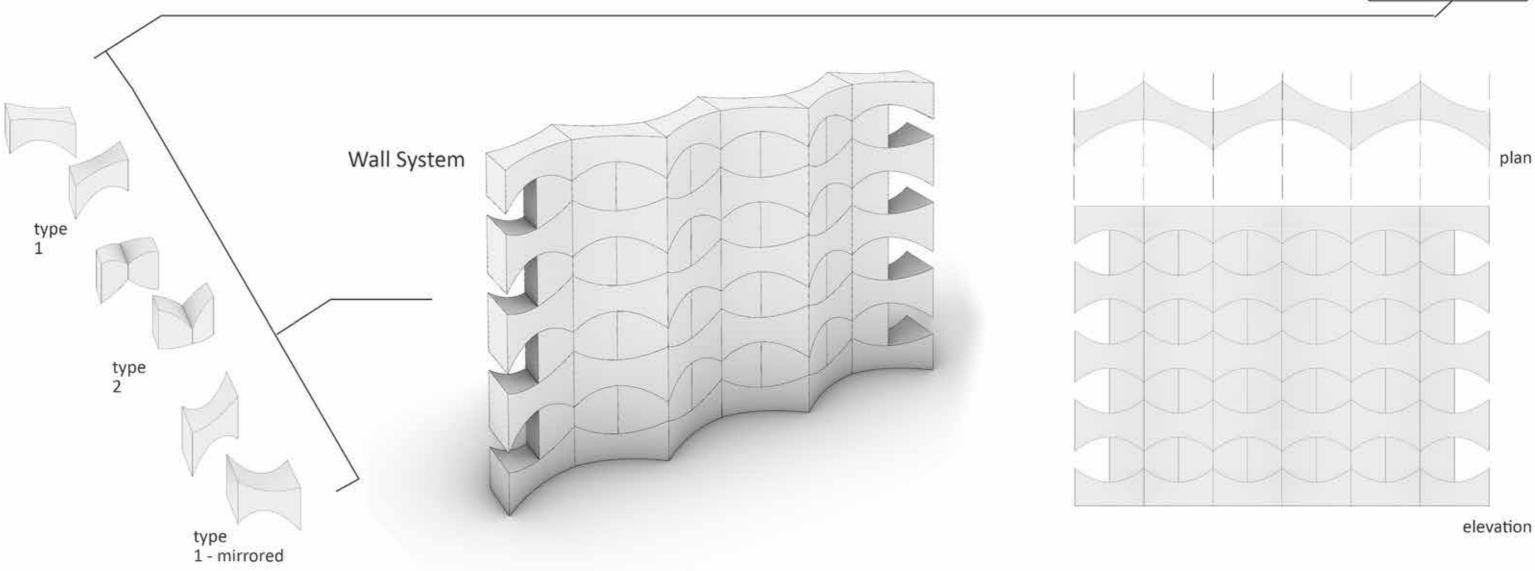
1.5 the initial idea of the two-way working bricks was to have the brick blocks sit and lock with the help of curves, to suggest a wall system that can respond to forces in two directions. producing the sectional geometry plan type 1

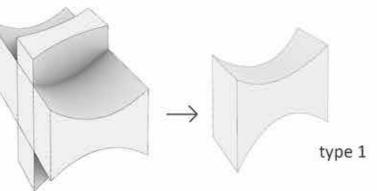
To achieve that, such wall system would need arches both in their plan cut and their side cut.

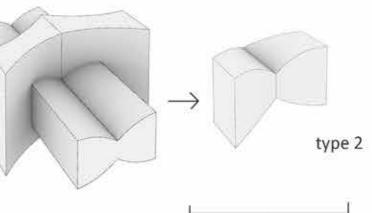
Sequences of cuts that would be made from clay blocks or also can  $\longrightarrow$ be formed by molding.



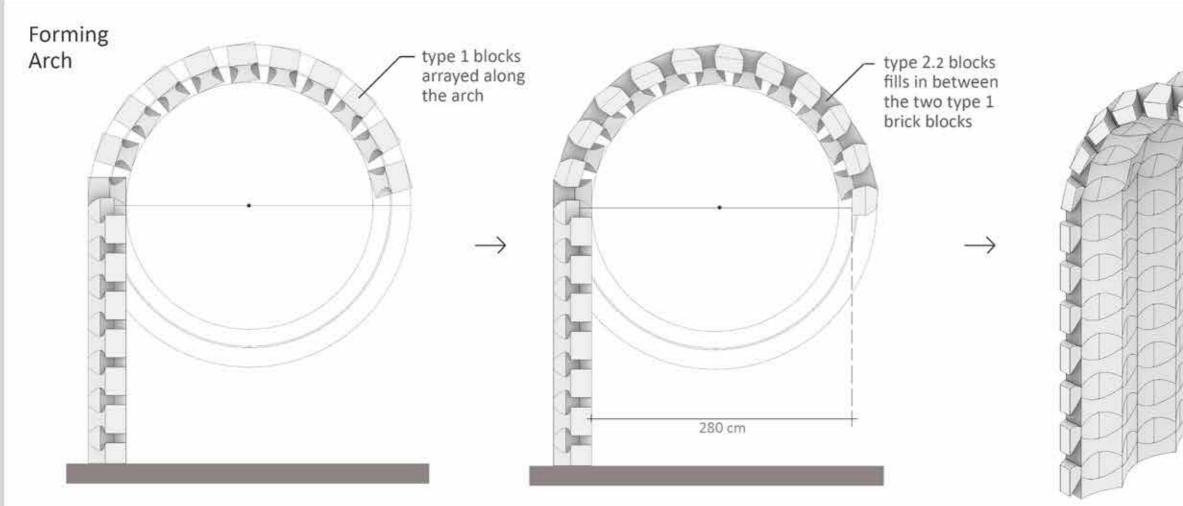






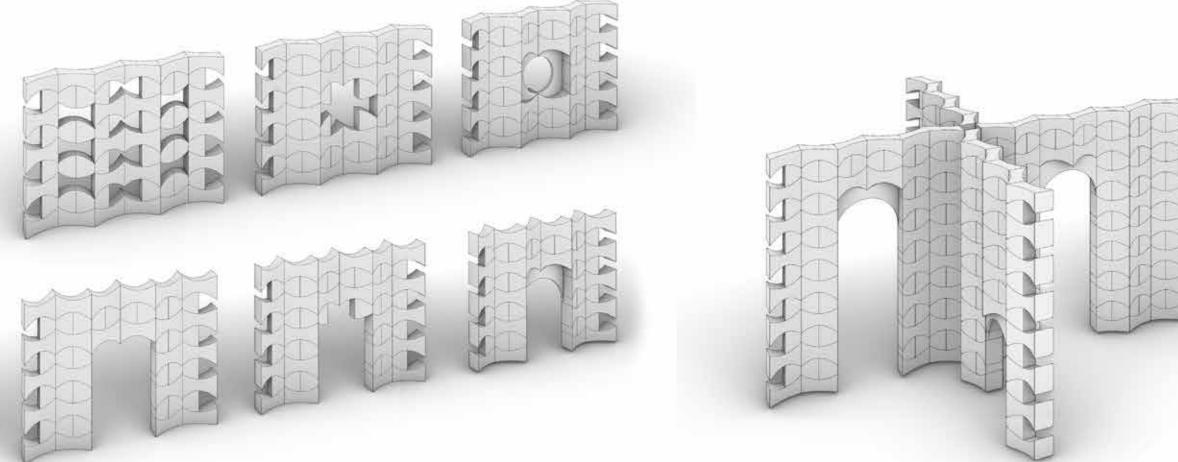


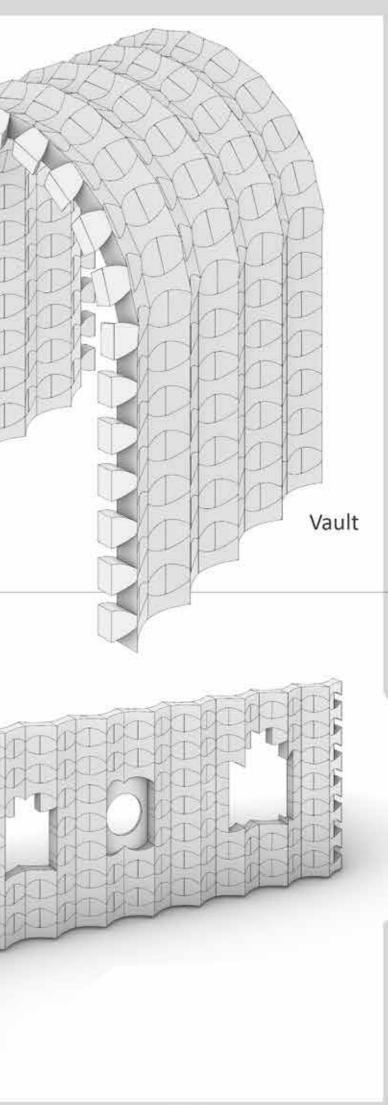




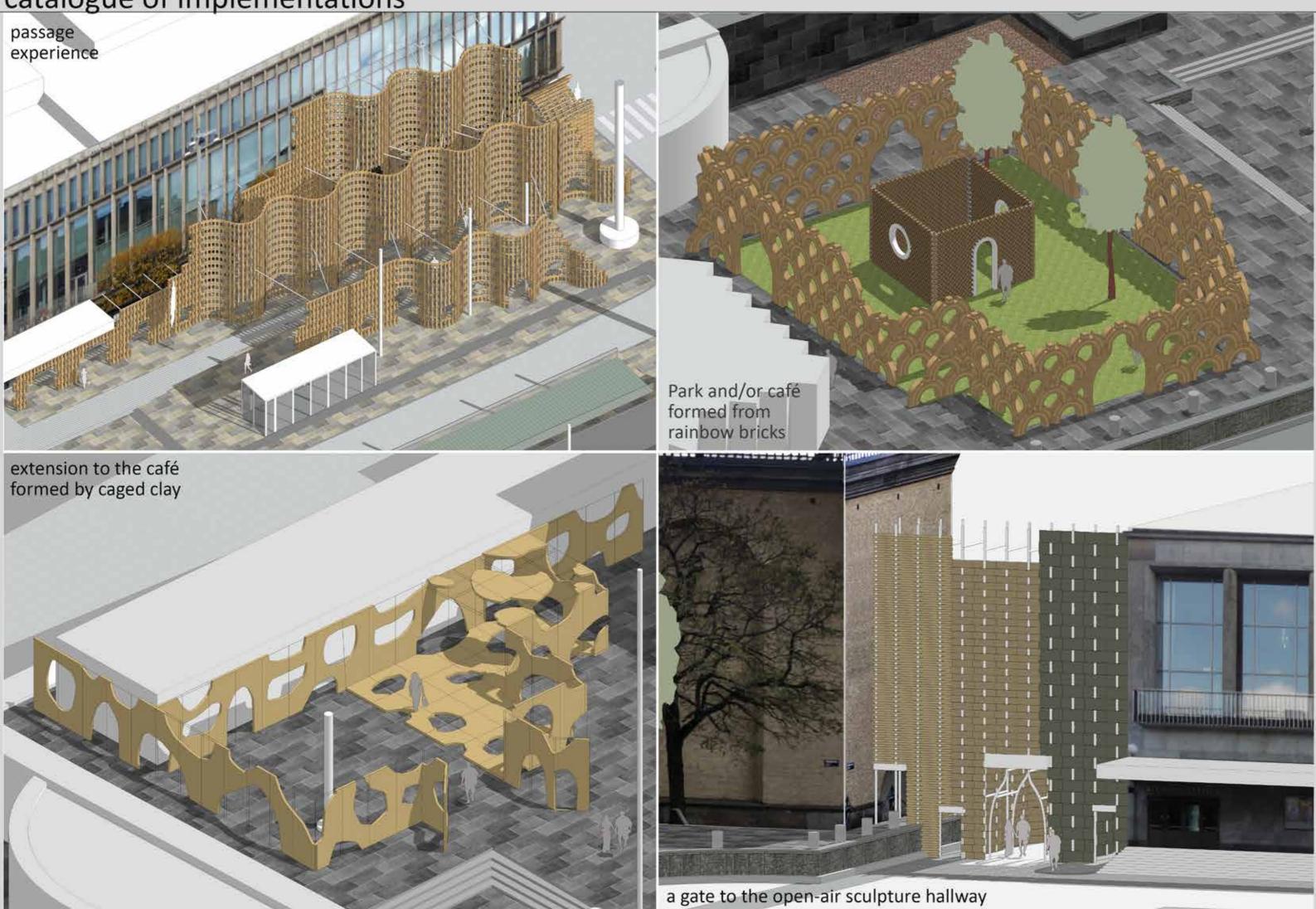
### **Exploring Openings**

either by reduction of brick blocks or with supportive pre-cast structural elements





### catalogue of implementations



as a conclusion to the process:

the inspirations, experimentations and implementations can vary and be articulated both for the author of this project or for possible authors that will propose, speculate and imagine spaces and architecture, while Götaplatsen will stay as a potentially inspiring place in the city of Gothenburg...