

# Demystifying Abstraction

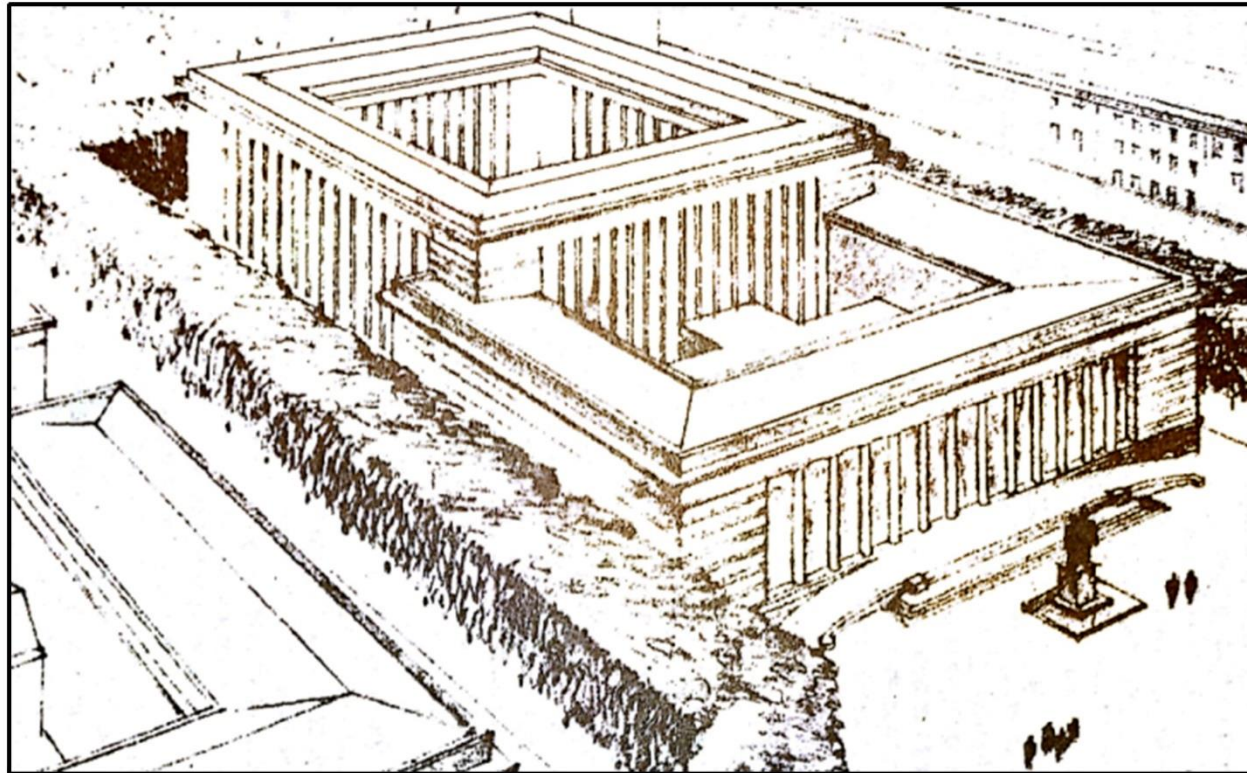
## And the New National Library for Sofia

ExploreLab 23  
2016-2017



Deyan Saev

# New National Library for a New Capital



1935



Sofia 1944







16



17



15



10



8



6



5



4



1



13



14



11



12



9



7



2



3



1

## The Yellow Pavers





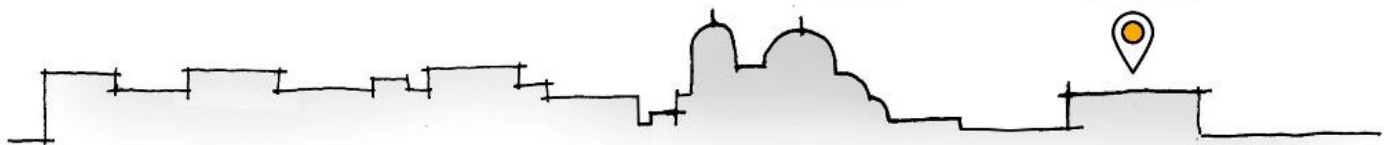


# Sofia 1912



Alexander Nevsky Cathedral

59 meters



# Sofia 1945



New Socialist Sofia

Sofia 1954

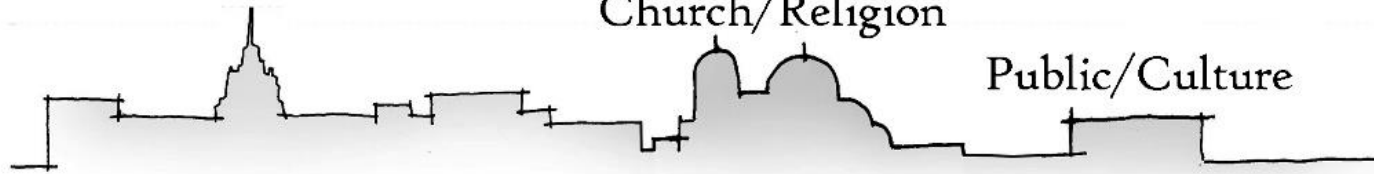


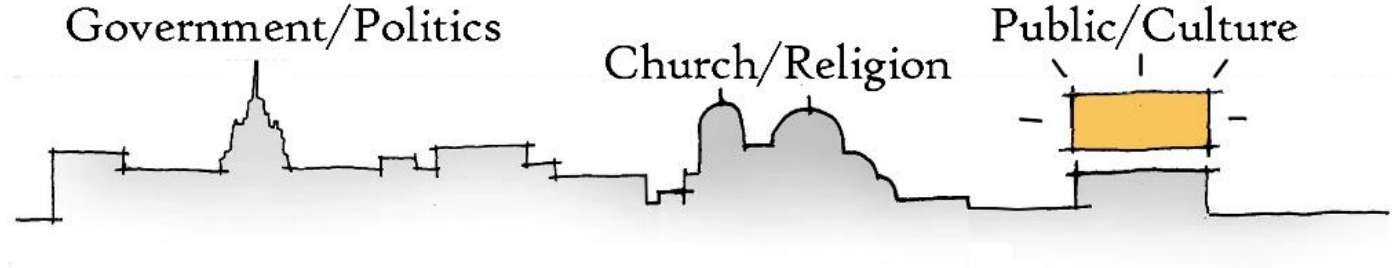
House of the Communist Party

Government/Politics

Church/Religion

Public/Culture





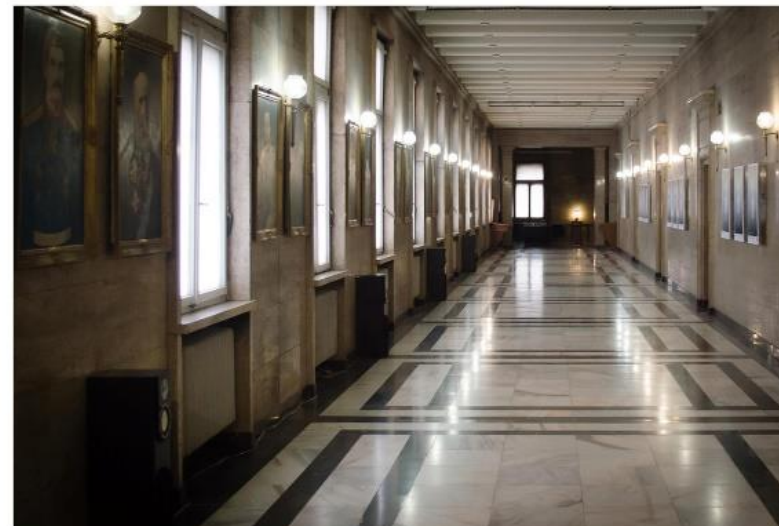
Government/Politics

Church/Religion

Public/Culture

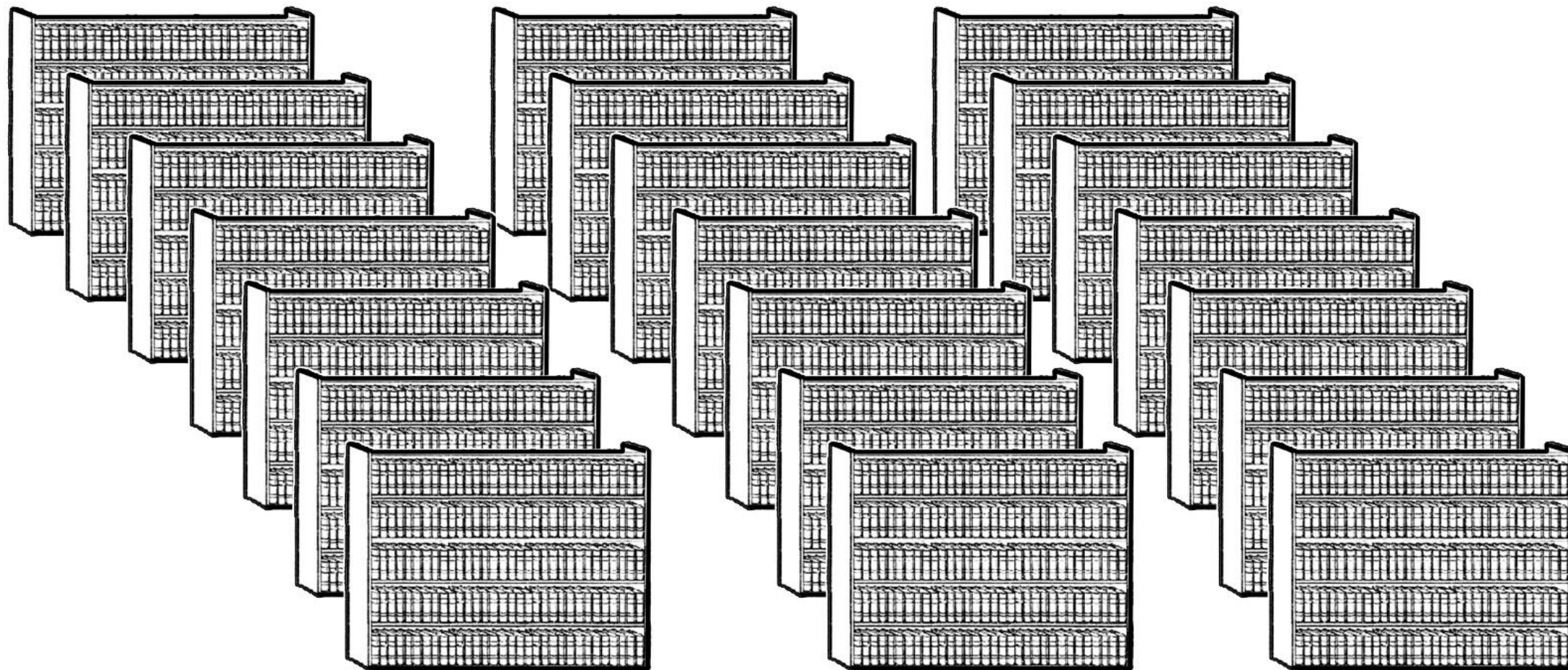


# Forgotten

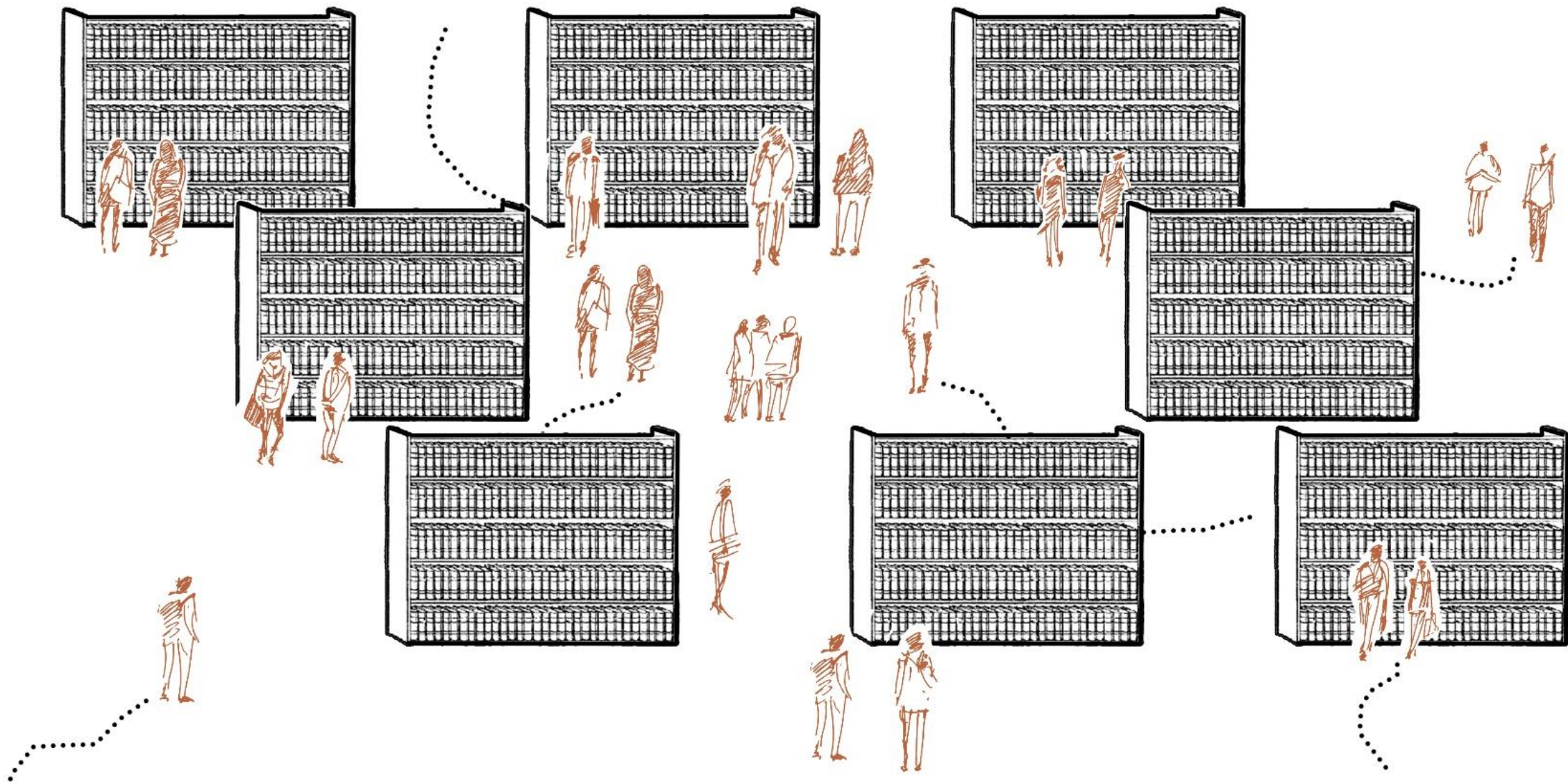




# House of Books



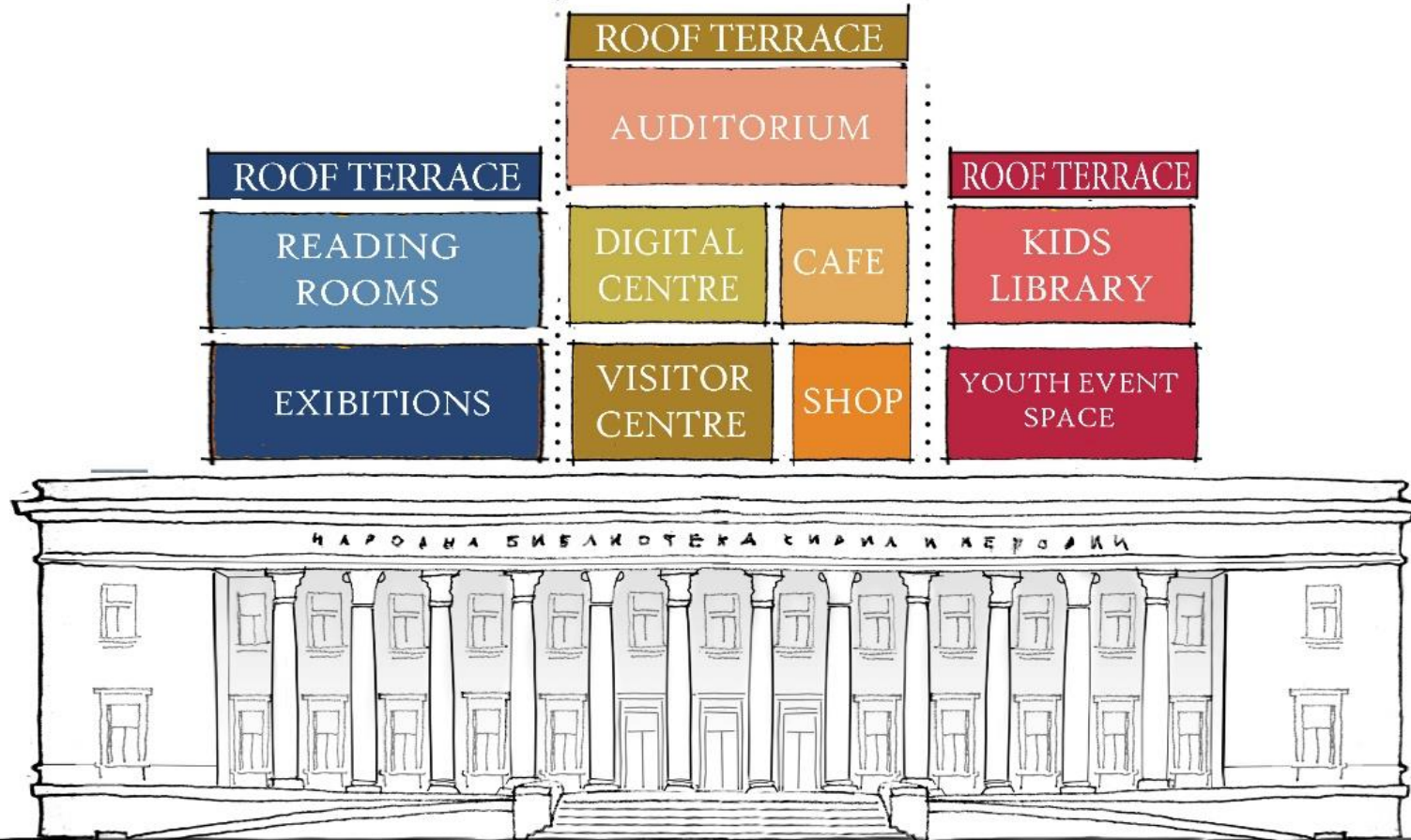
# House of Culture



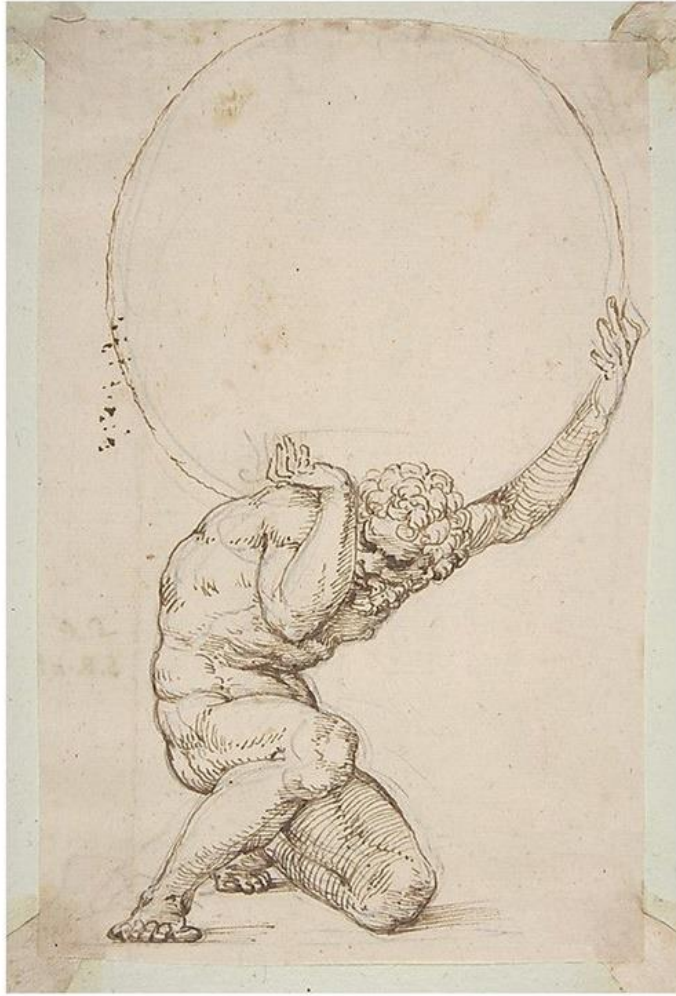
Adults

Public

Kids

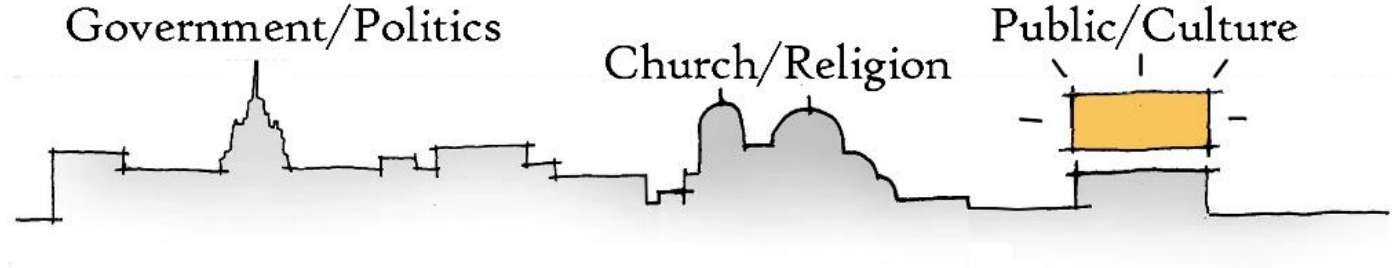


Aim: Increase footfall





Hamburg Concert Hall  
Herzog and de Meuron



## Explore Lab Fascination:



Architectural Education:  
How do we learn & teach Architecture?

# The Process of Learning



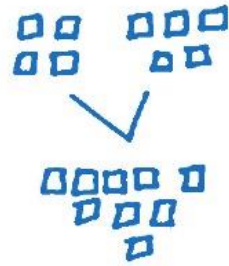
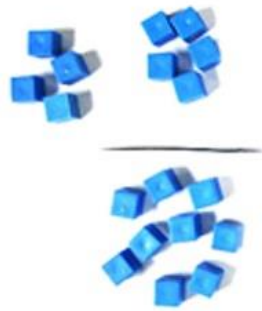




# Abstraction

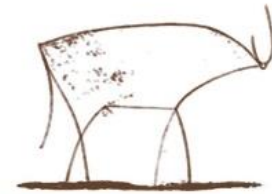


# Abstraction in Learning & Teaching



$$4 + 5 = 9$$

Concrete ←————→ Abstract

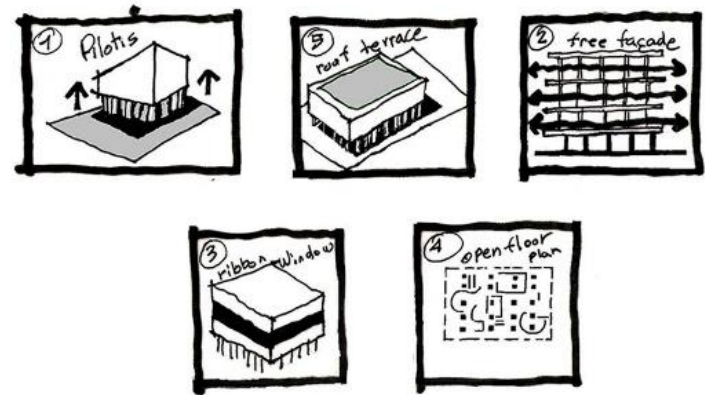


# Abstraction as a process

Concrete  
Example

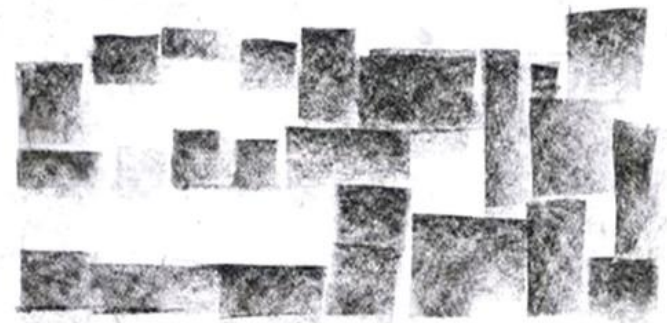
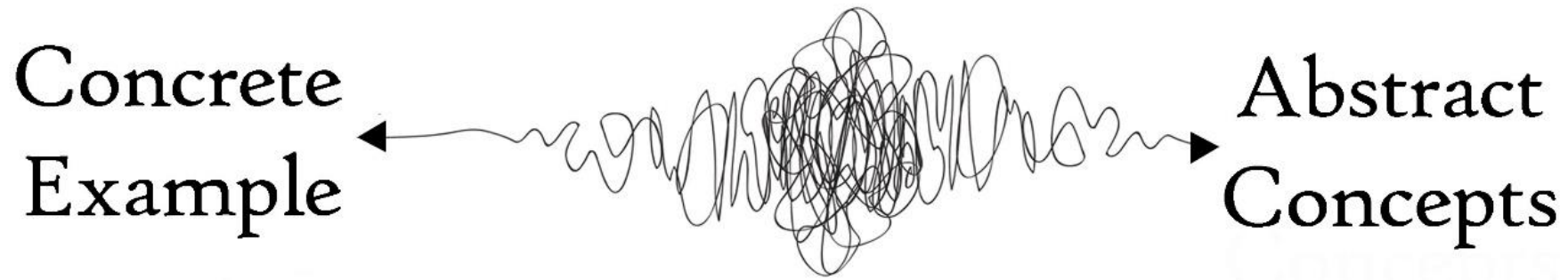
Abstraction

Abstract  
Concepts



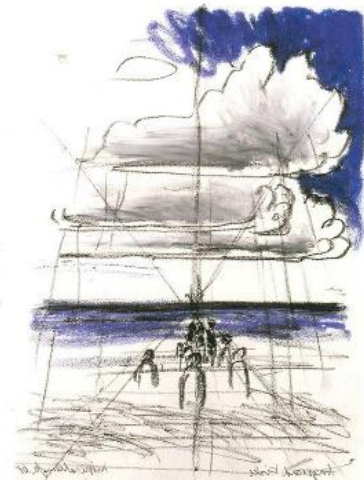
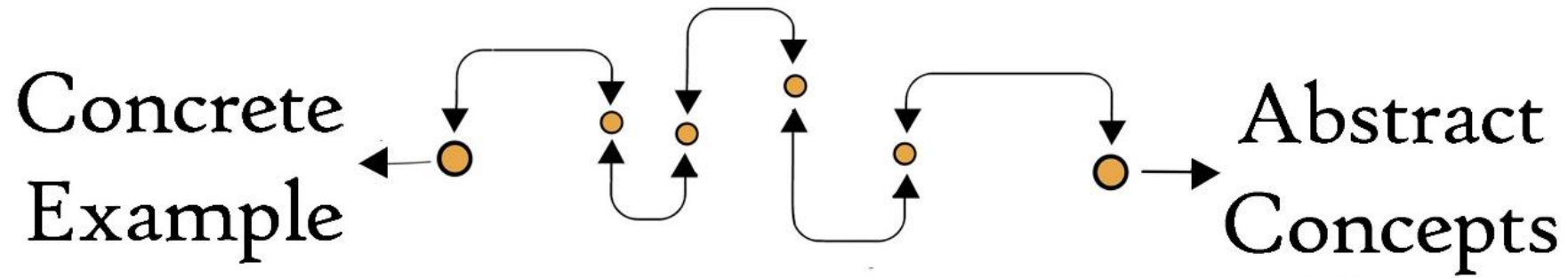
## Problem Statement:

The abstraction process in architecture can be confusing, vague and complicated...

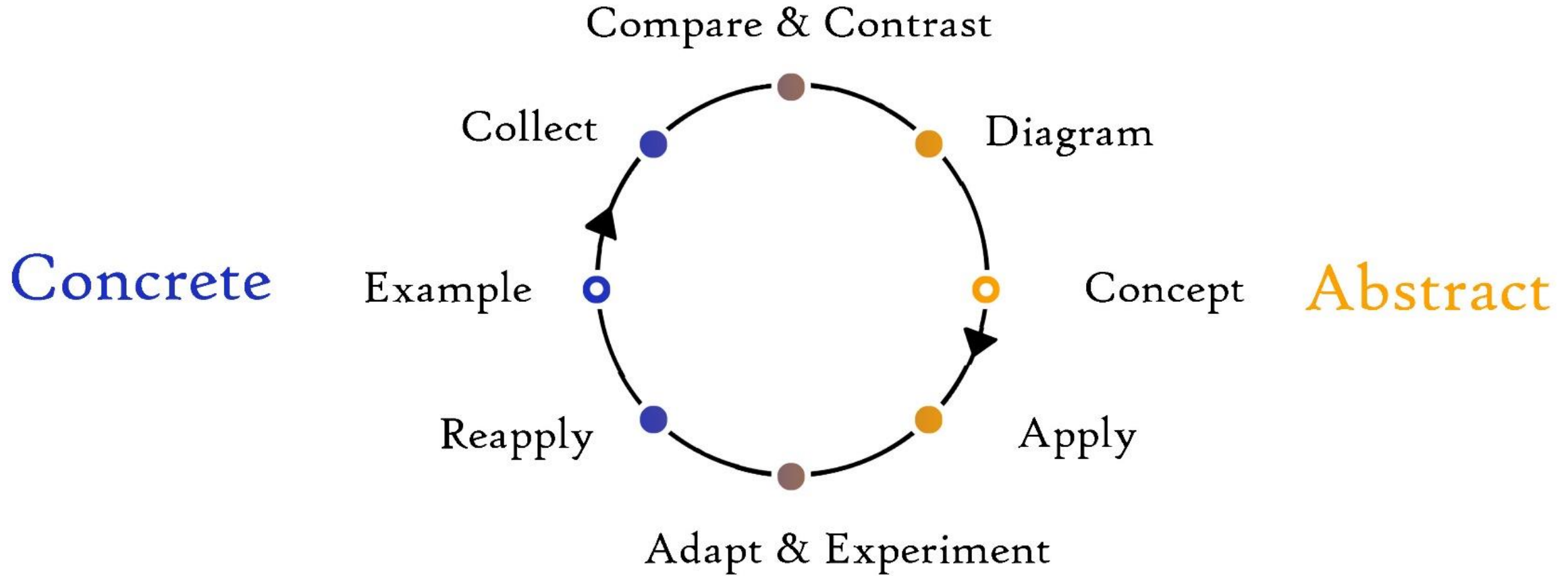


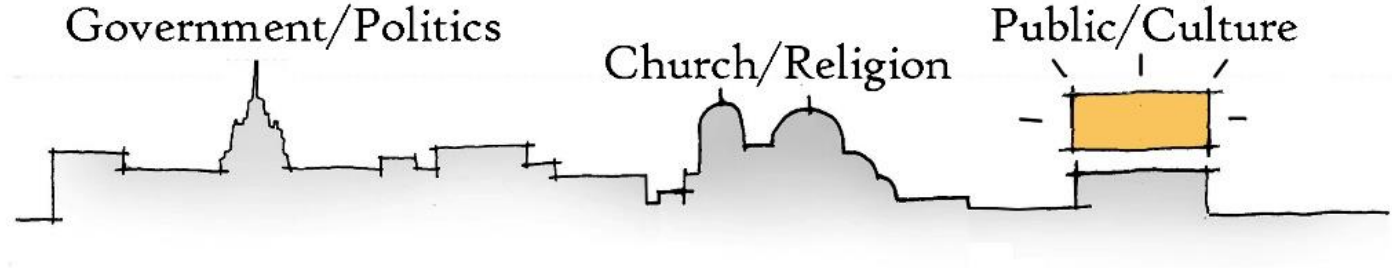
## Research question:

How can the process of abstraction be more explicitly taught in Architecture?



# Demystifying Abstraction: A model



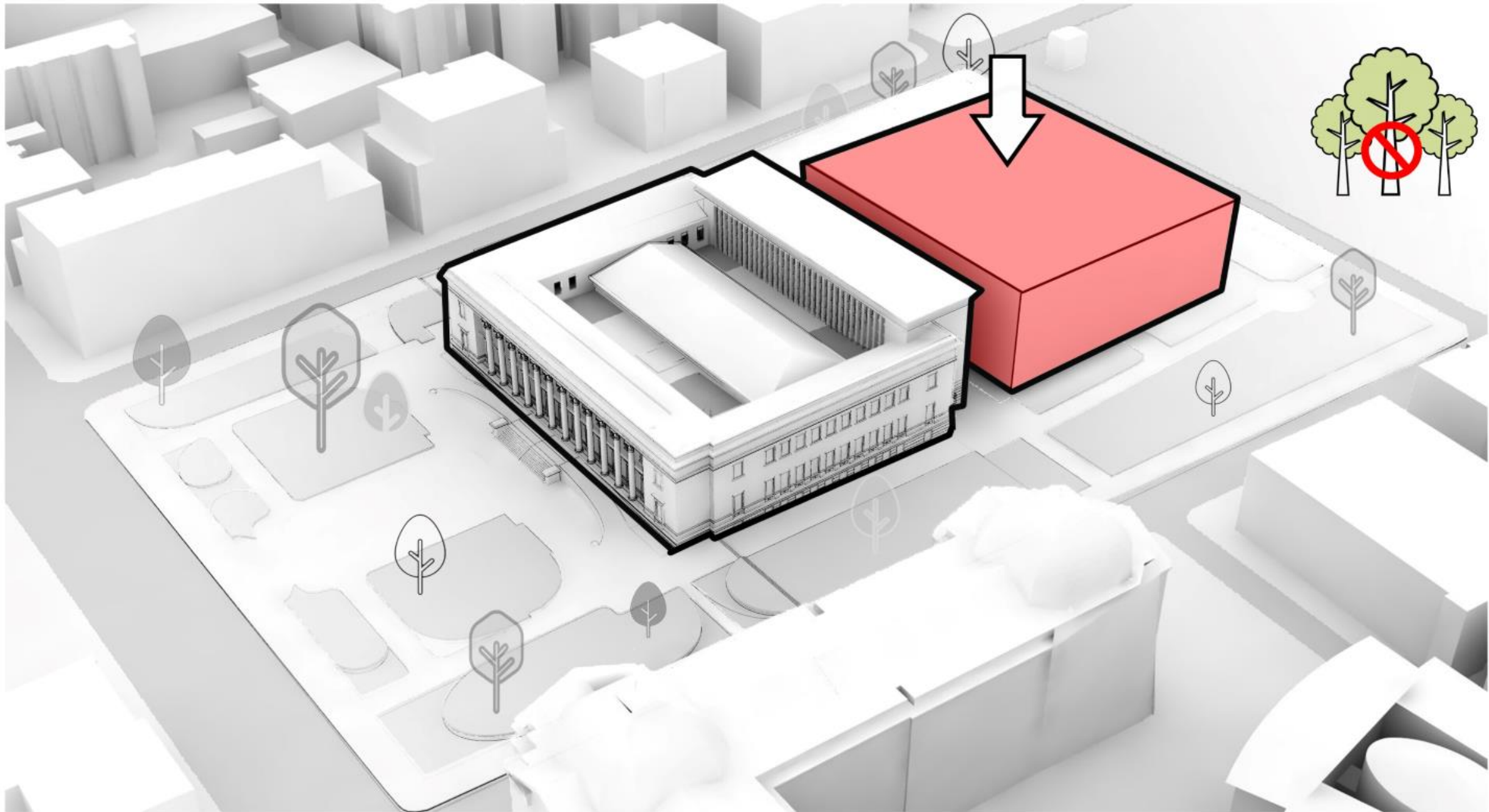


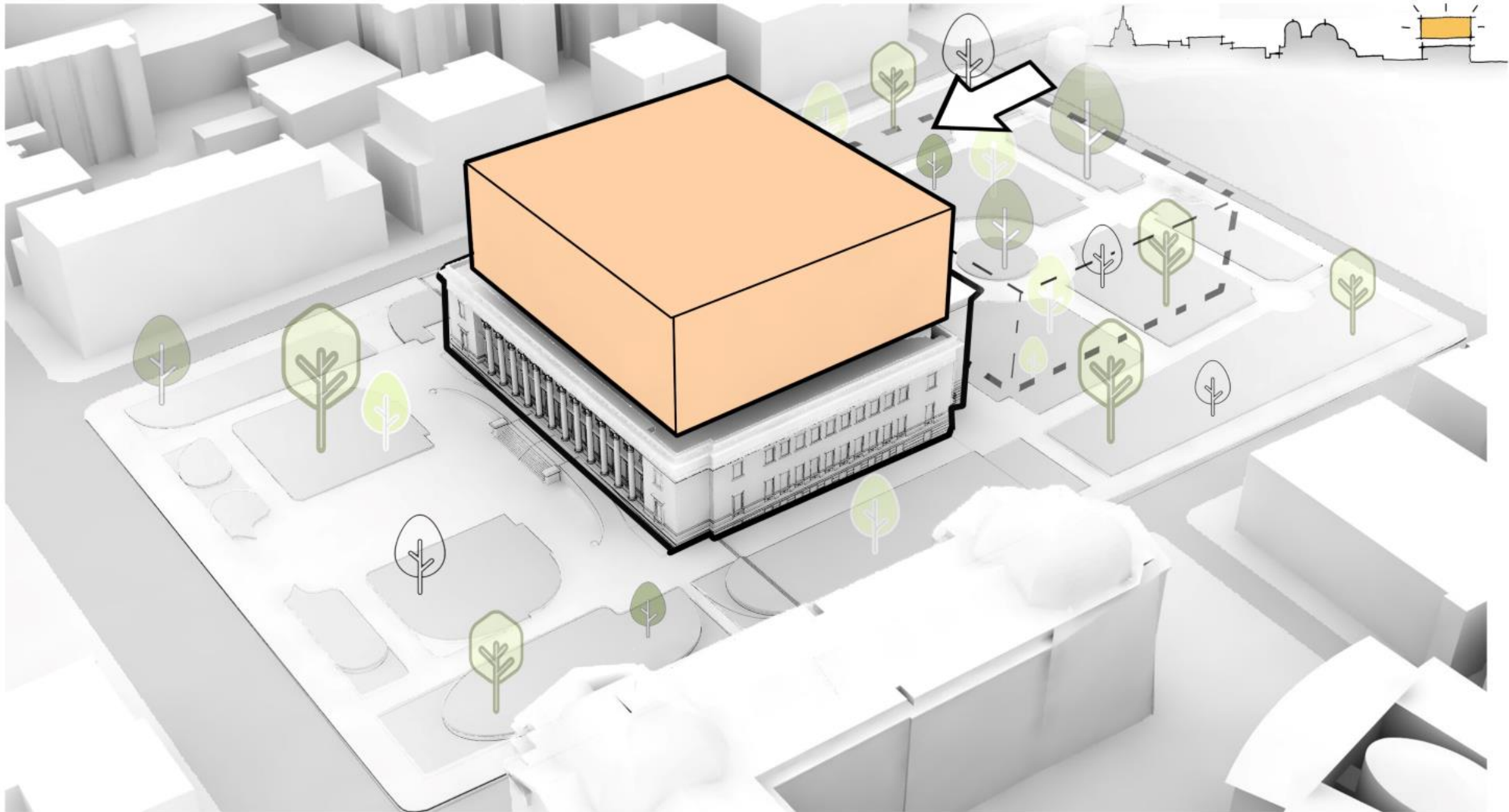
Government/Politics

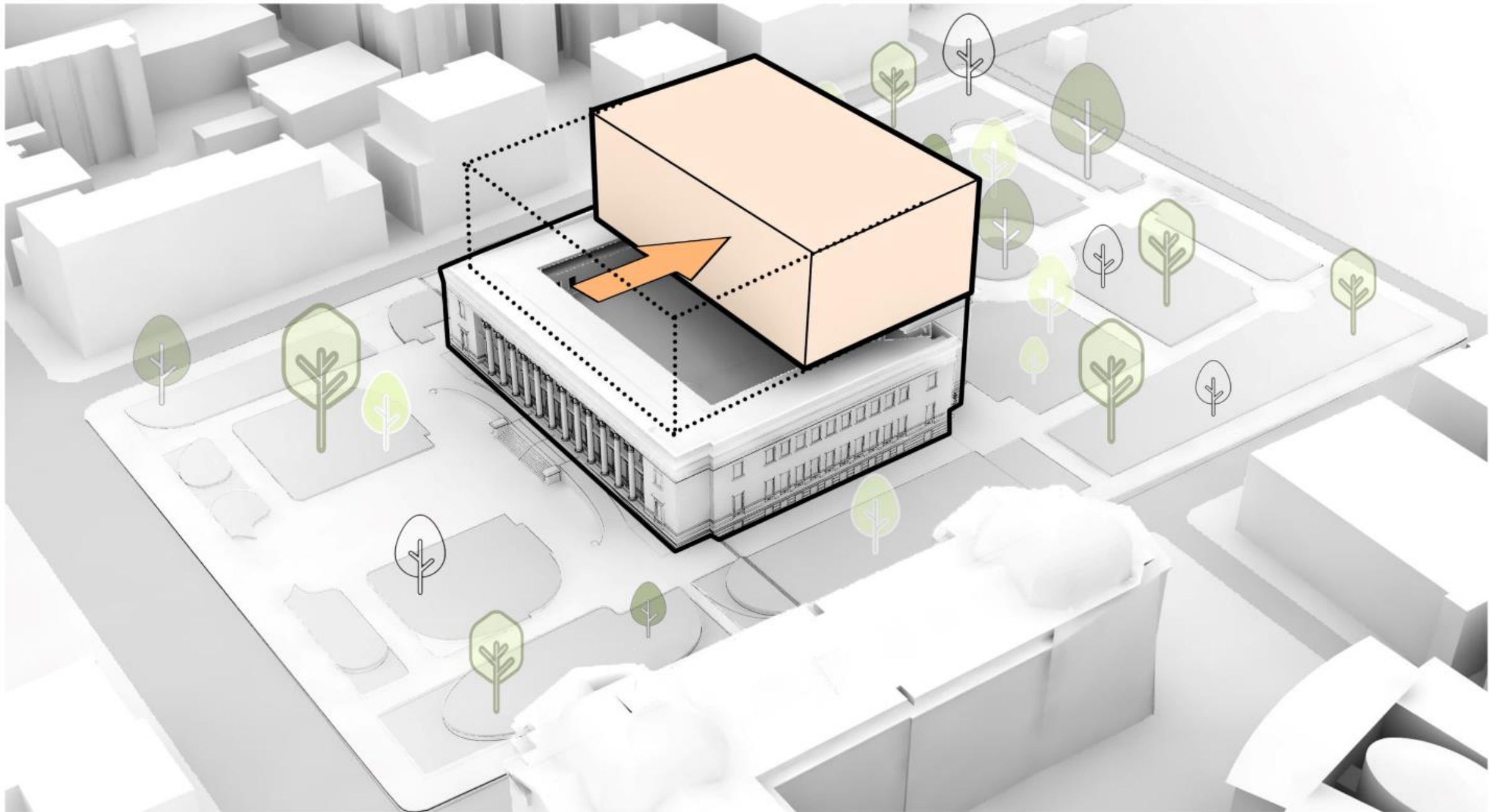
Church/Religion

Public/Culture

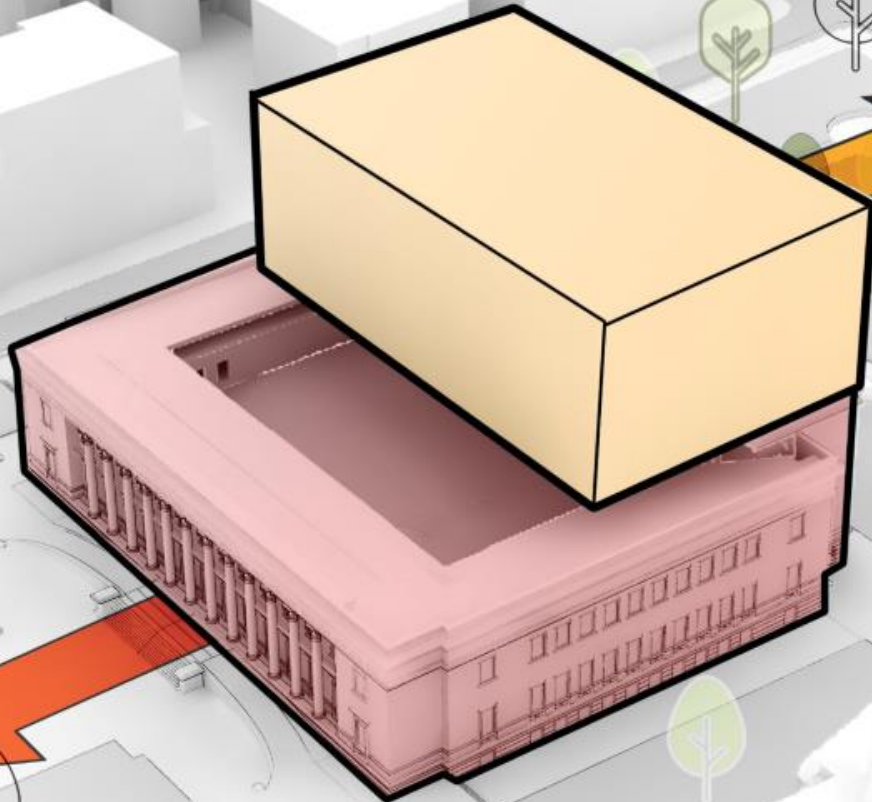




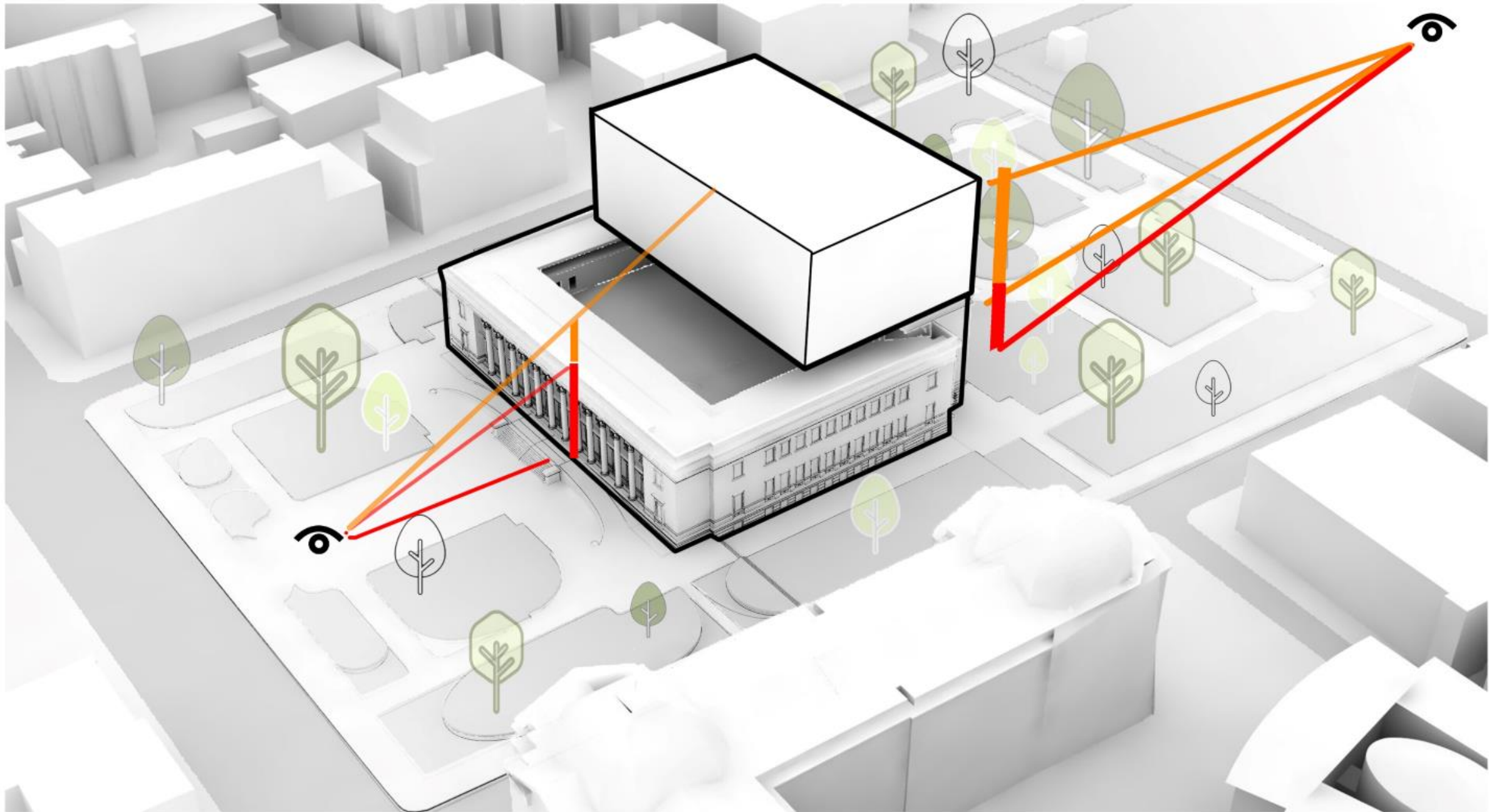




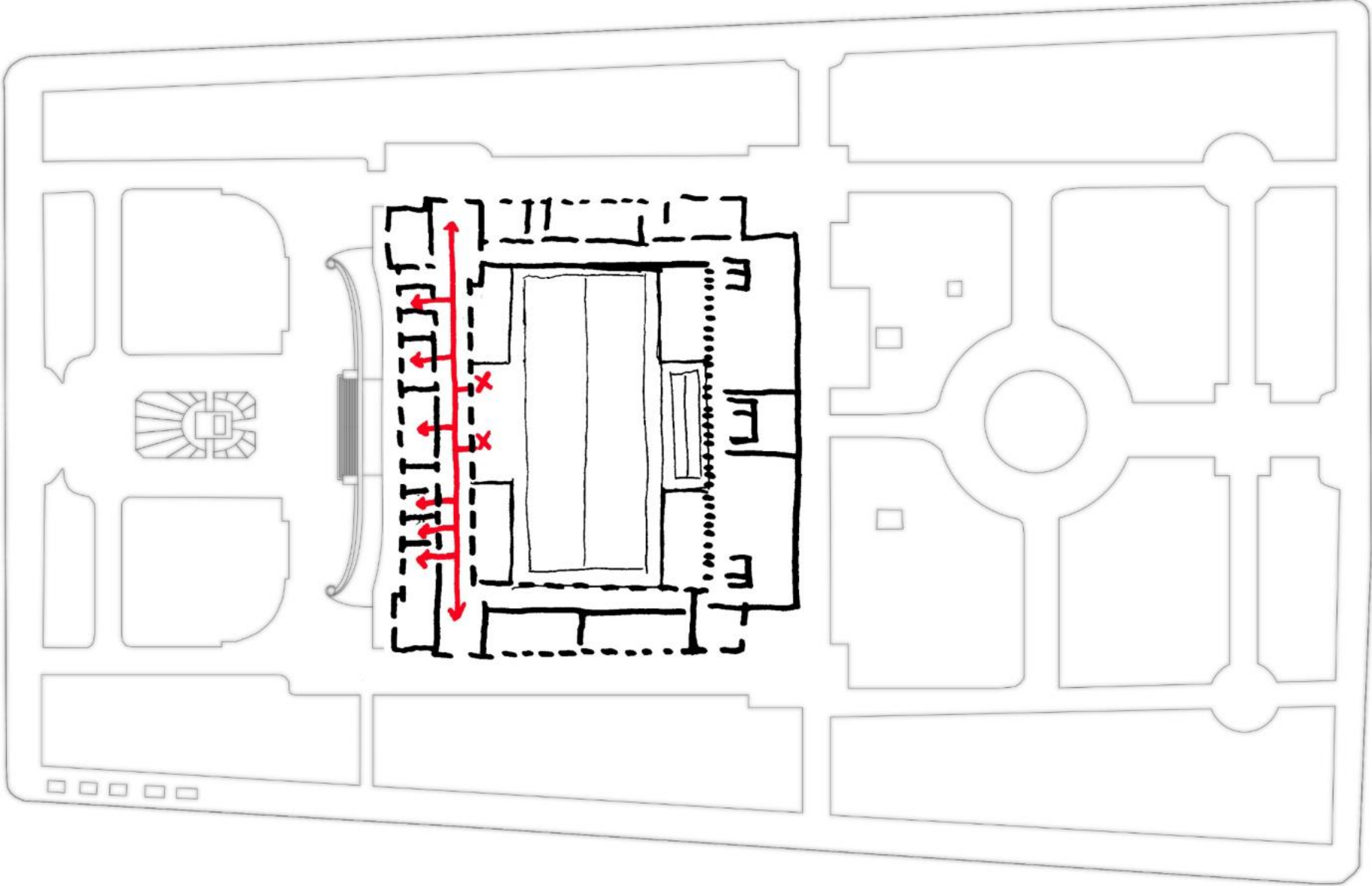
NEW

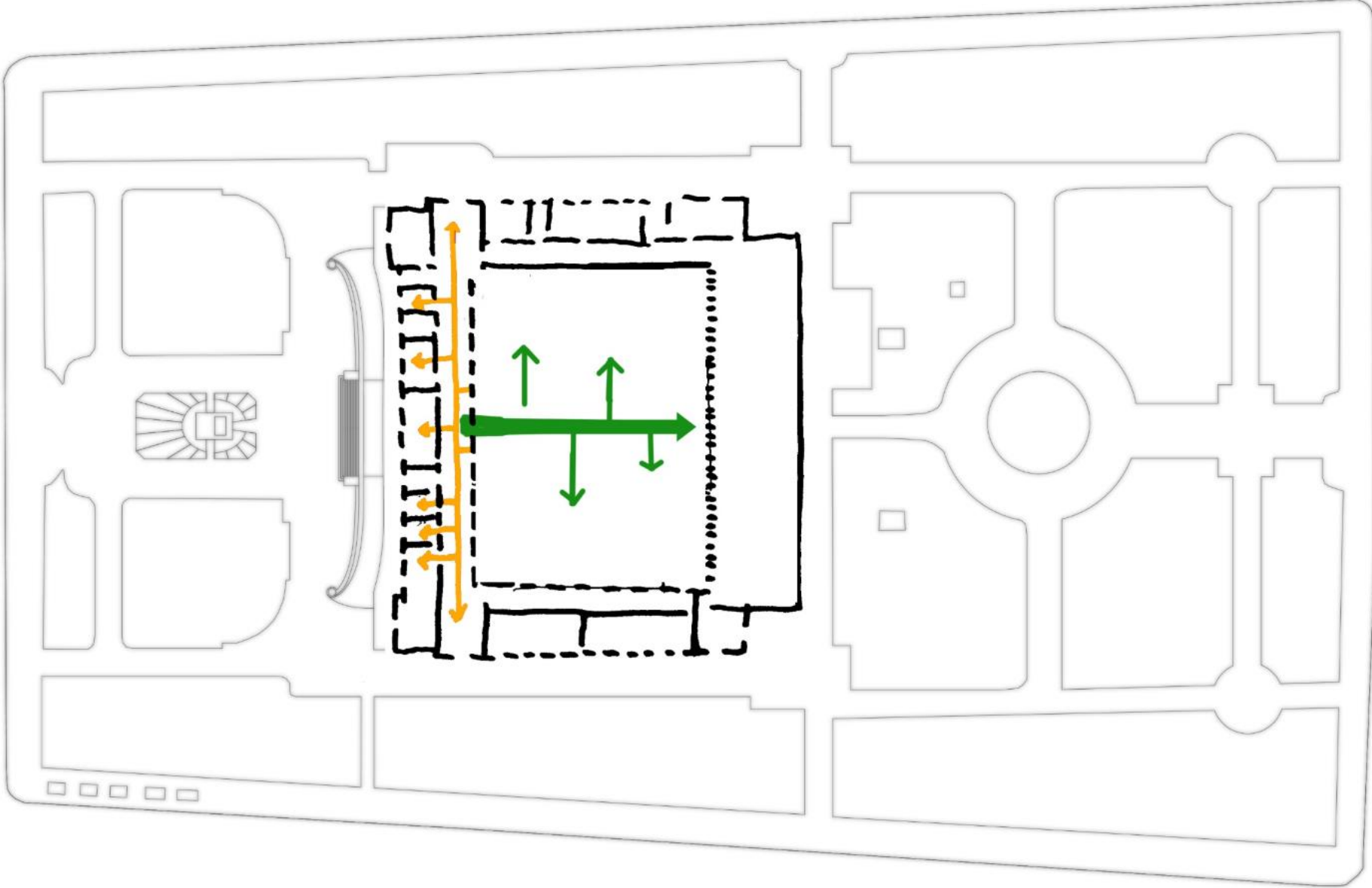


OLD

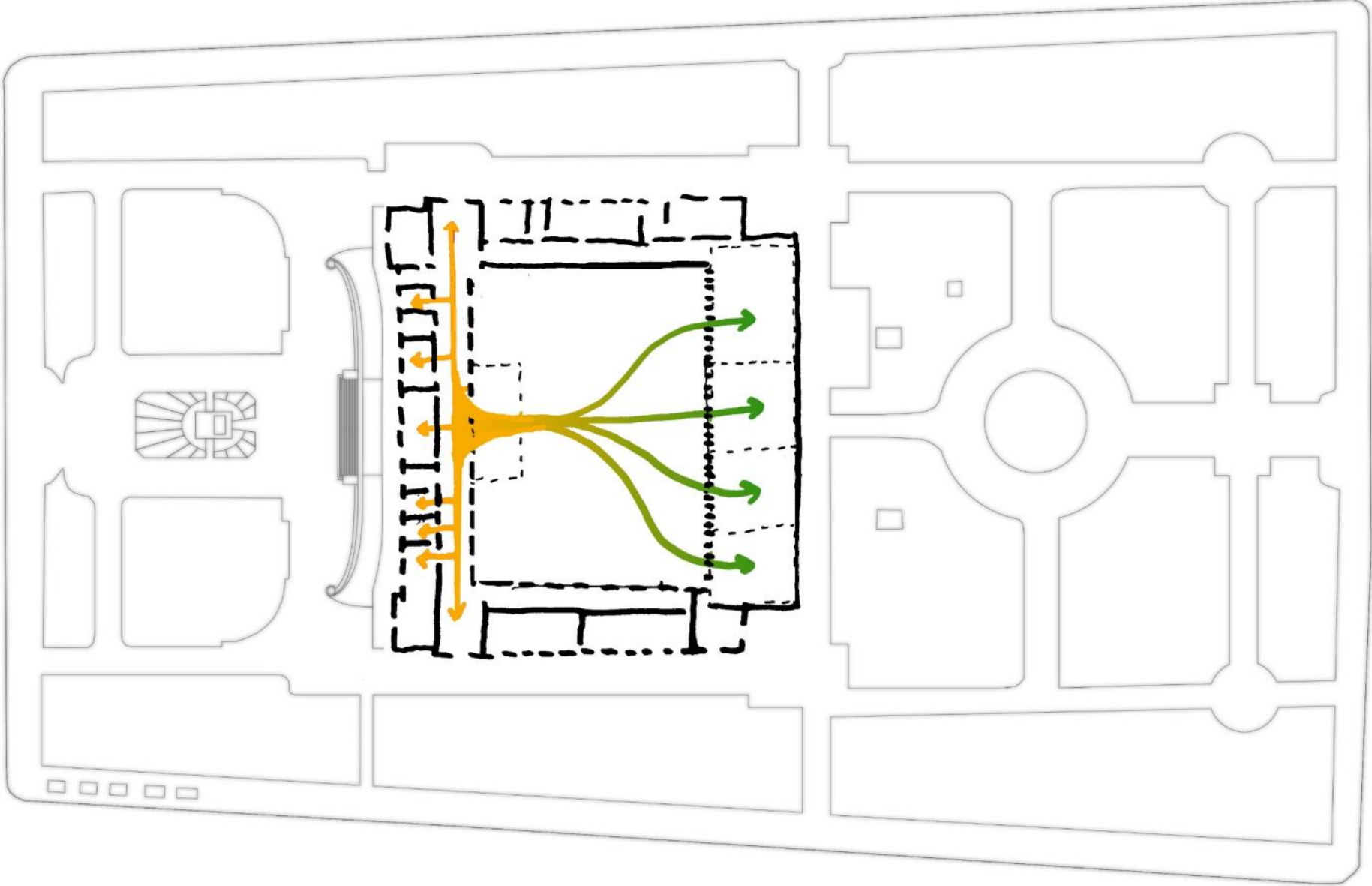


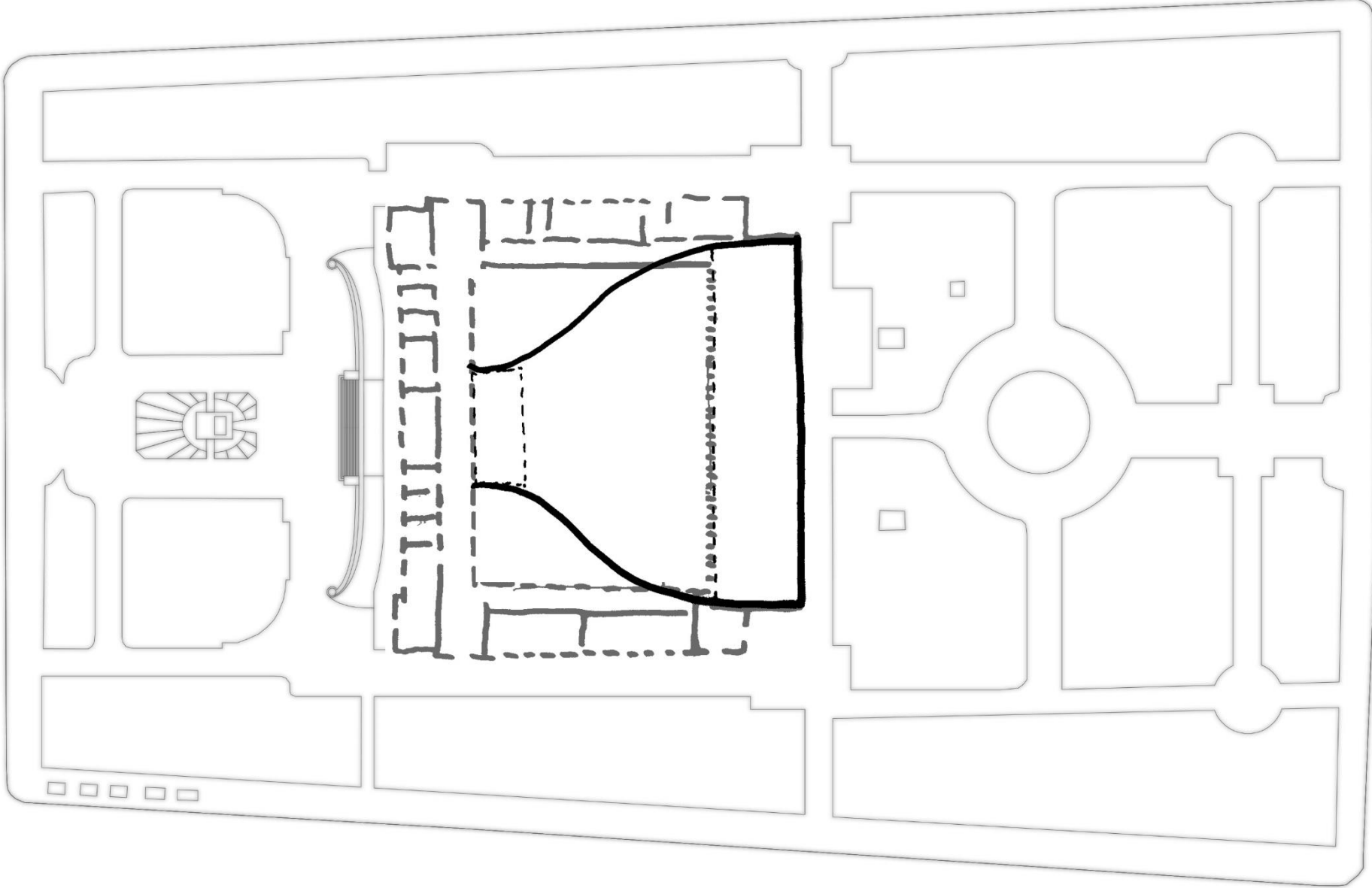


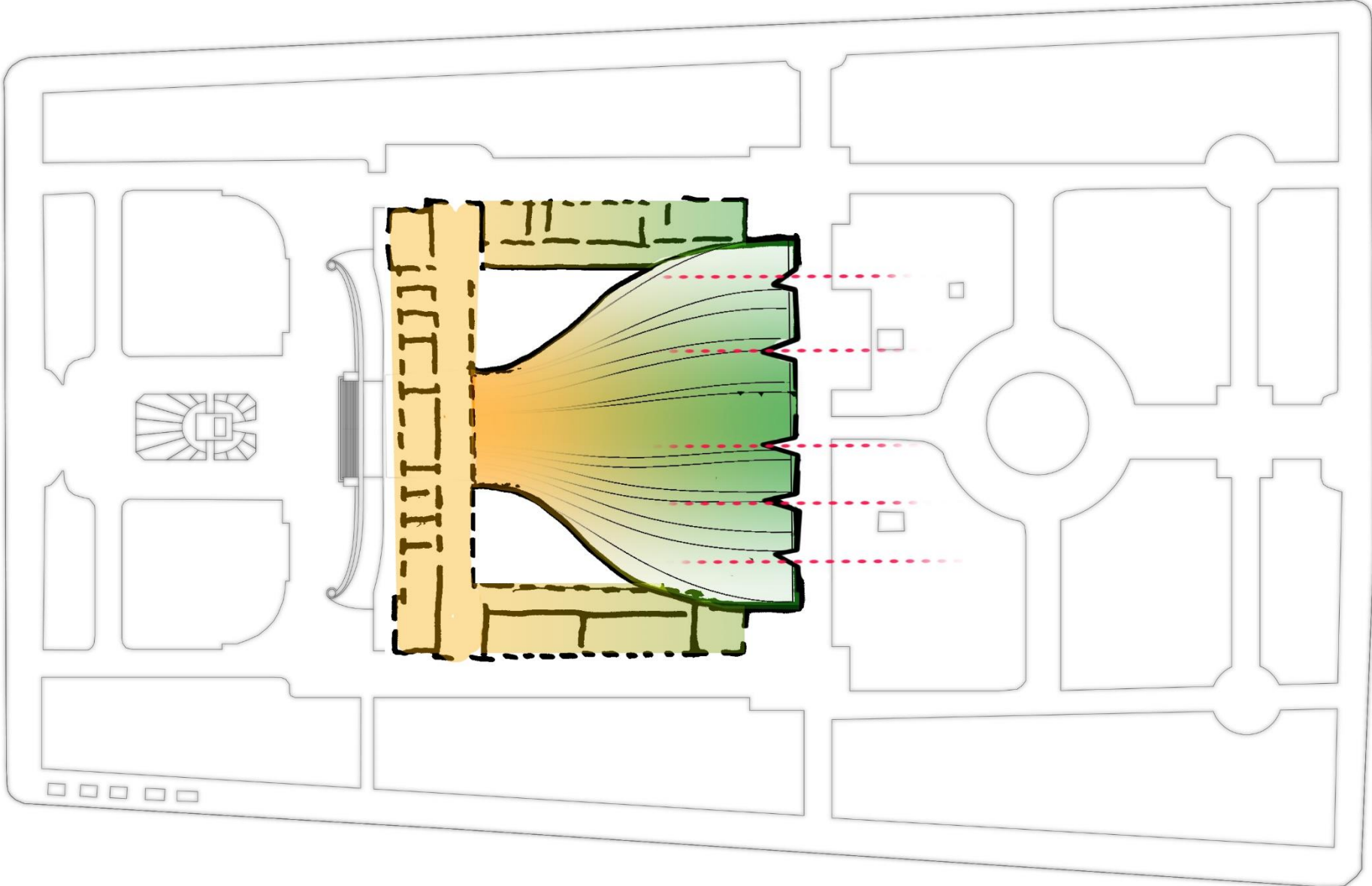




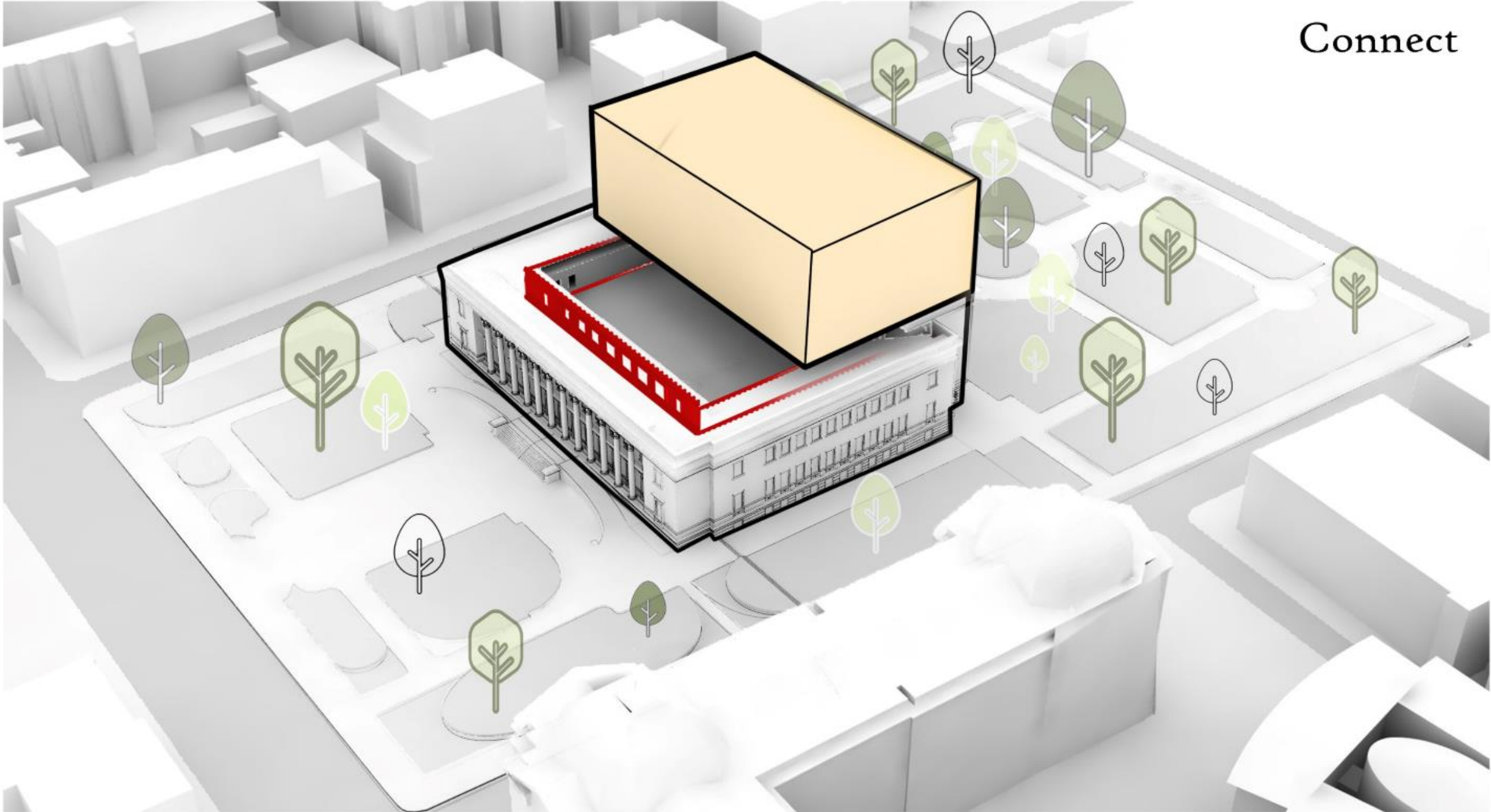


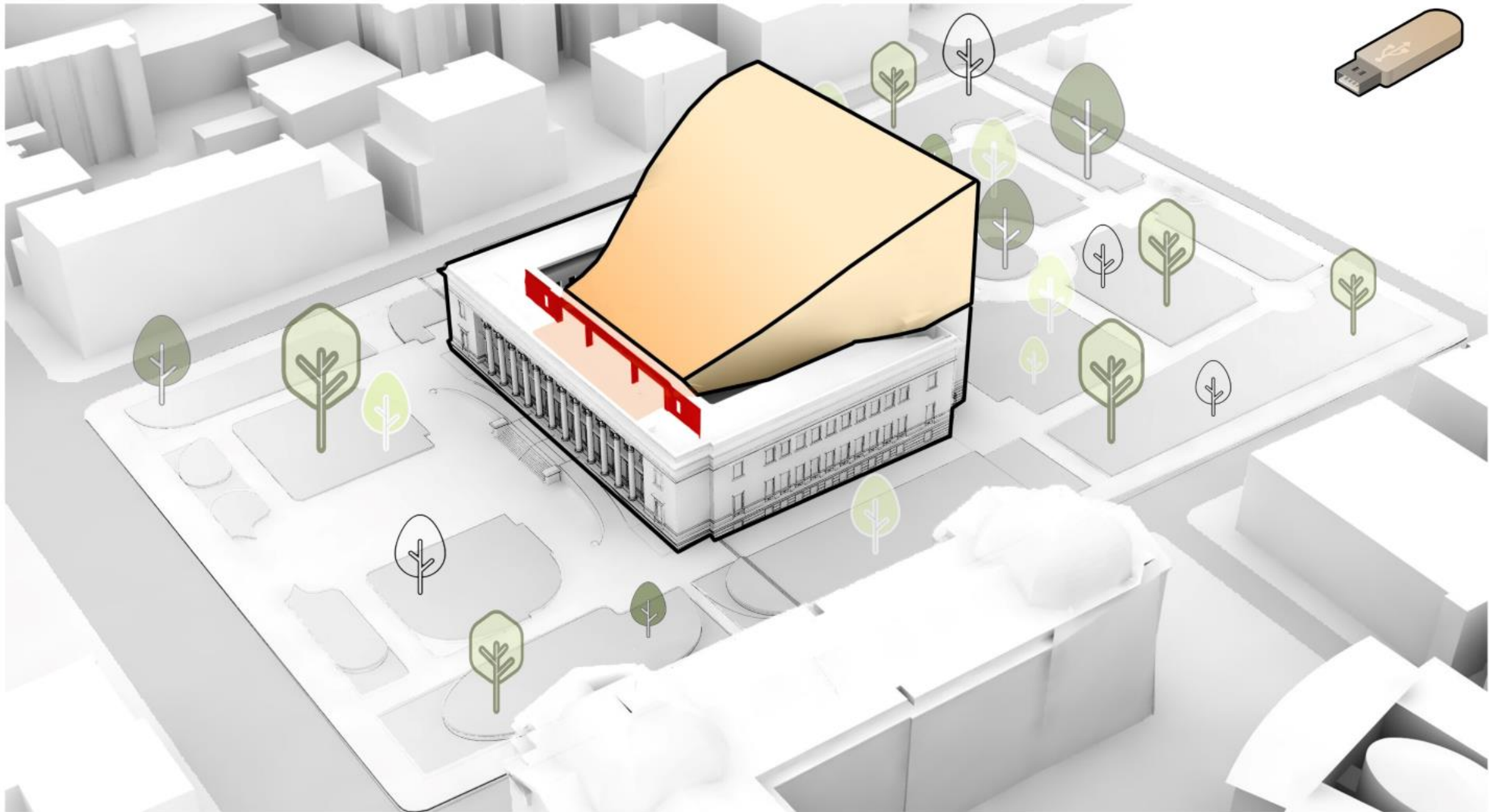


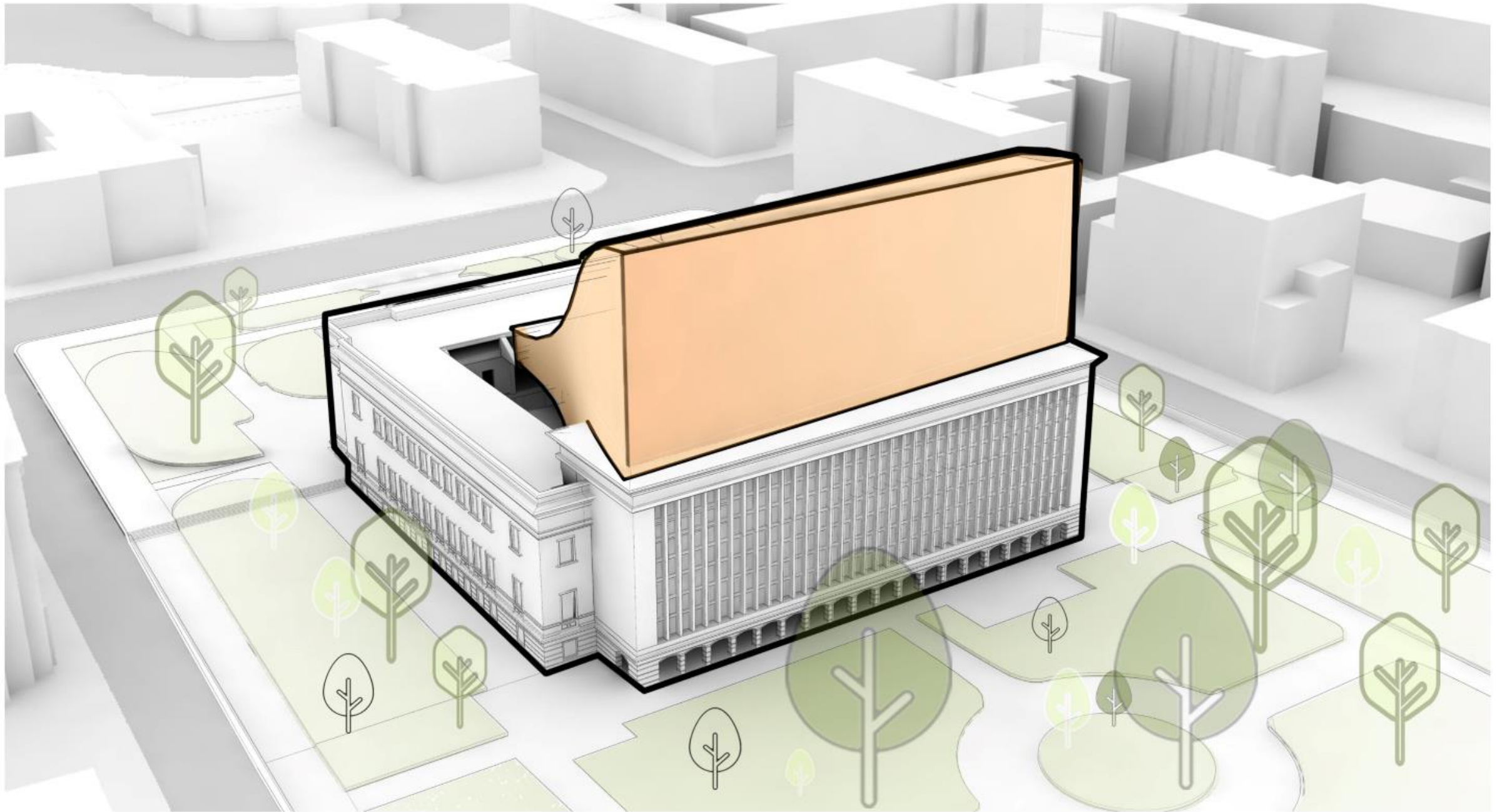


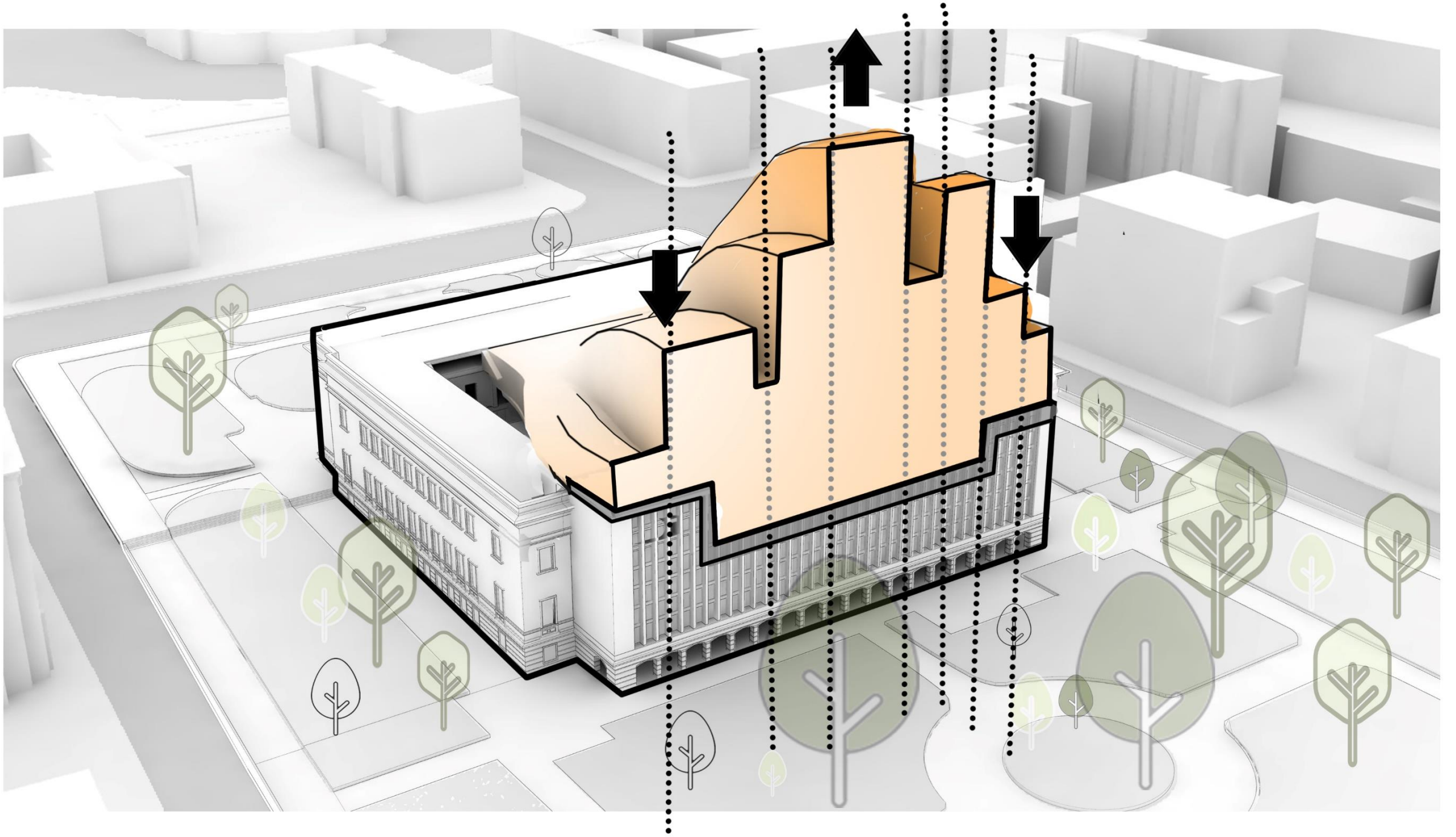


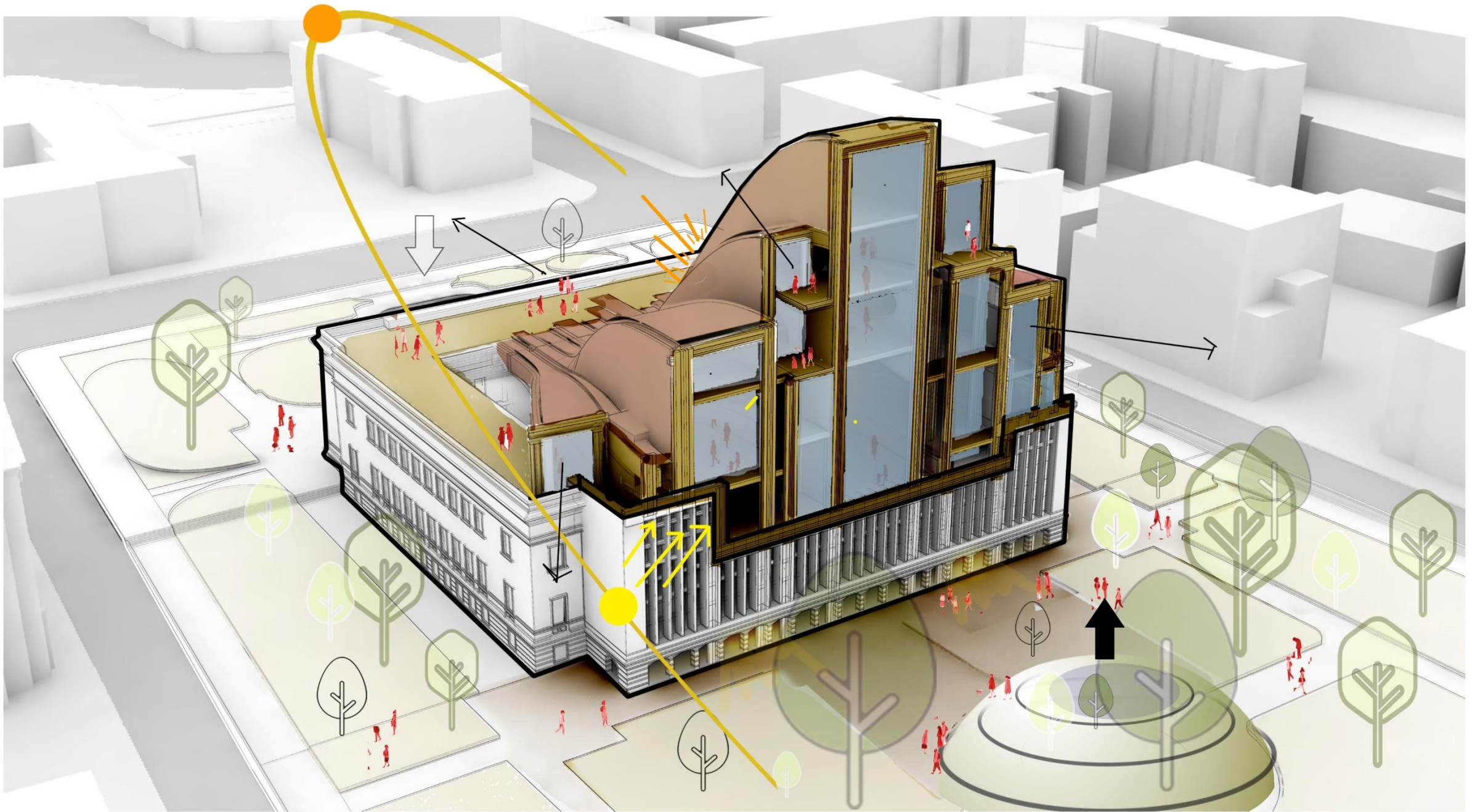
Connect





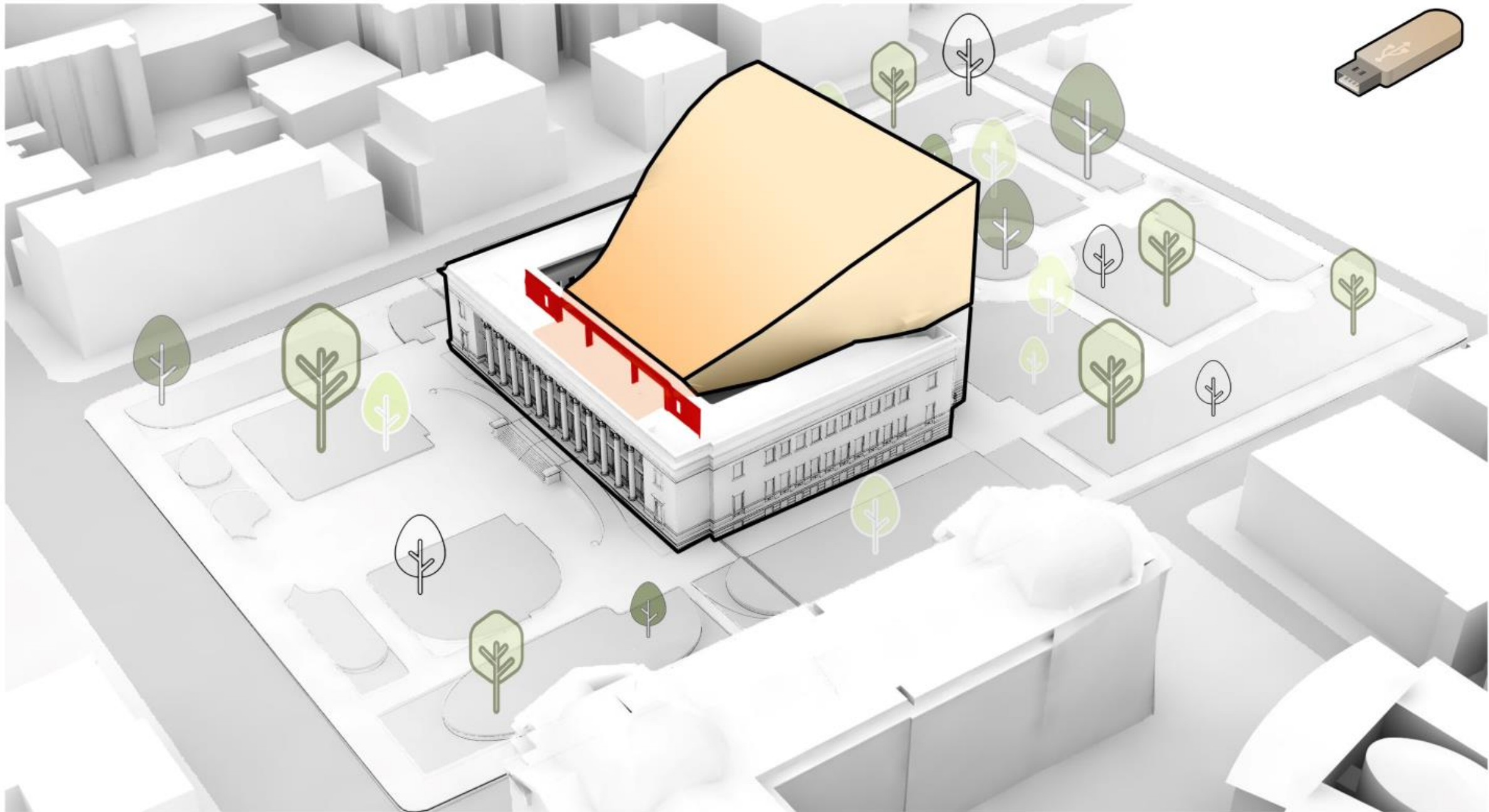


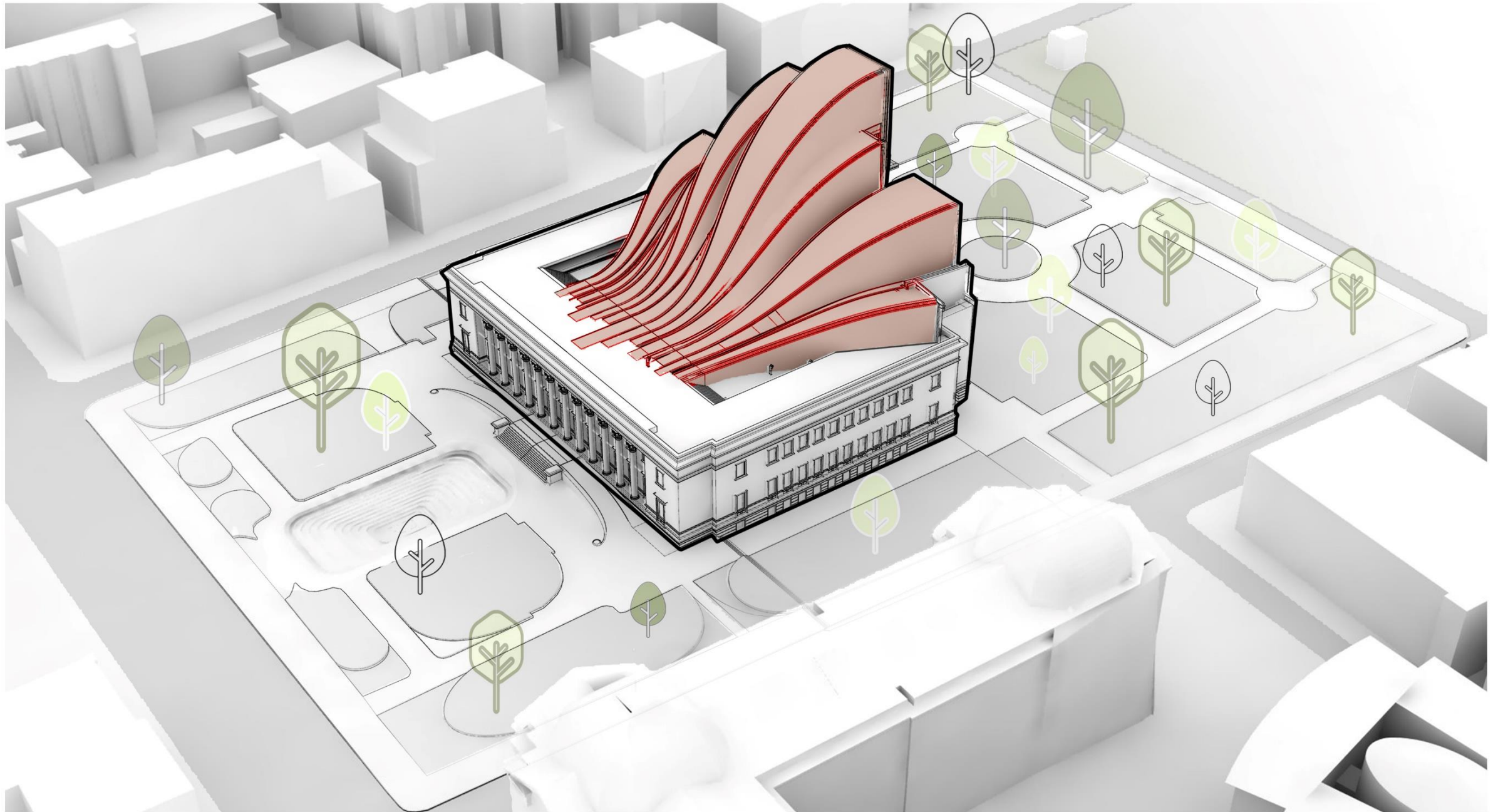


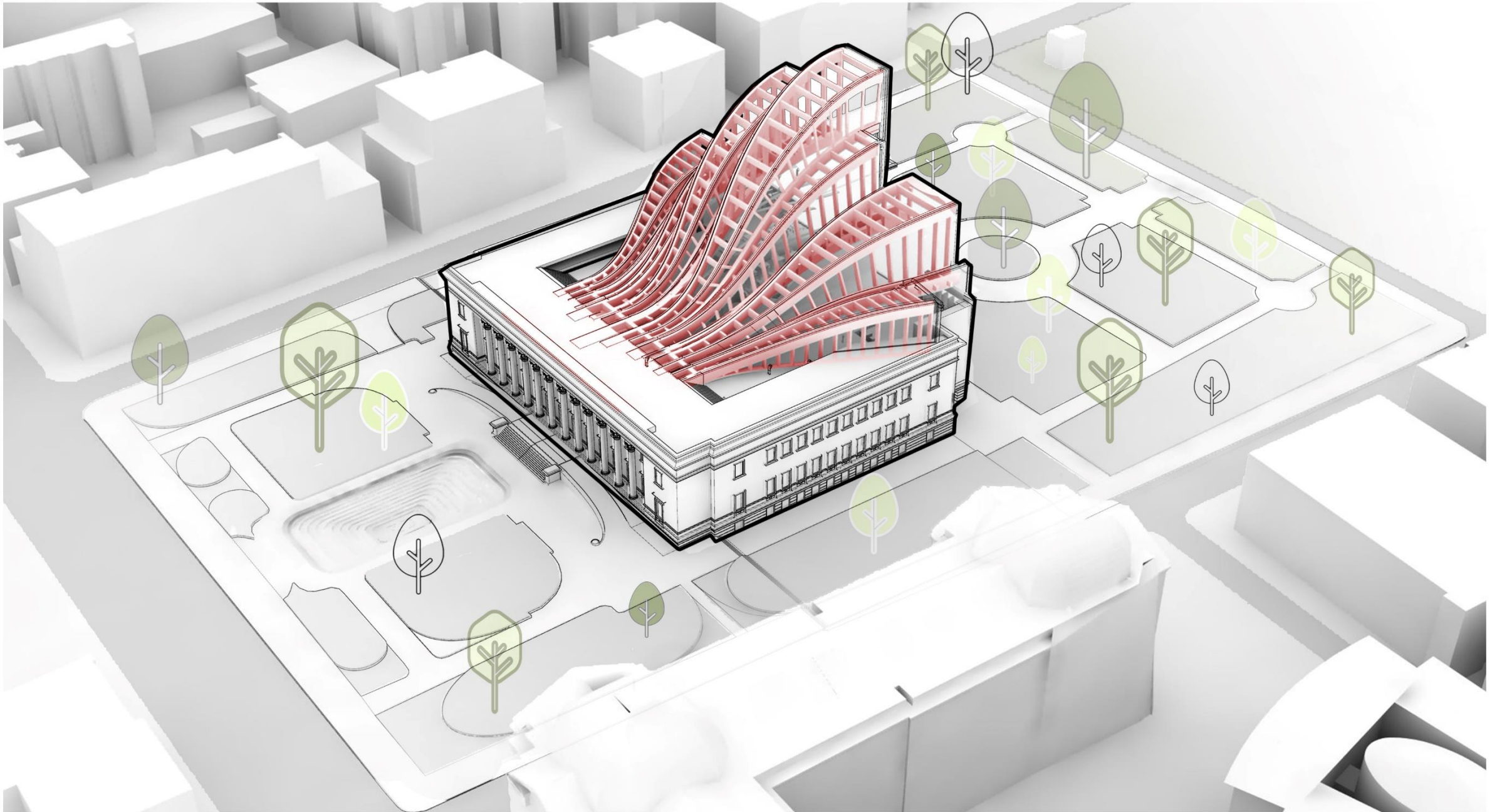


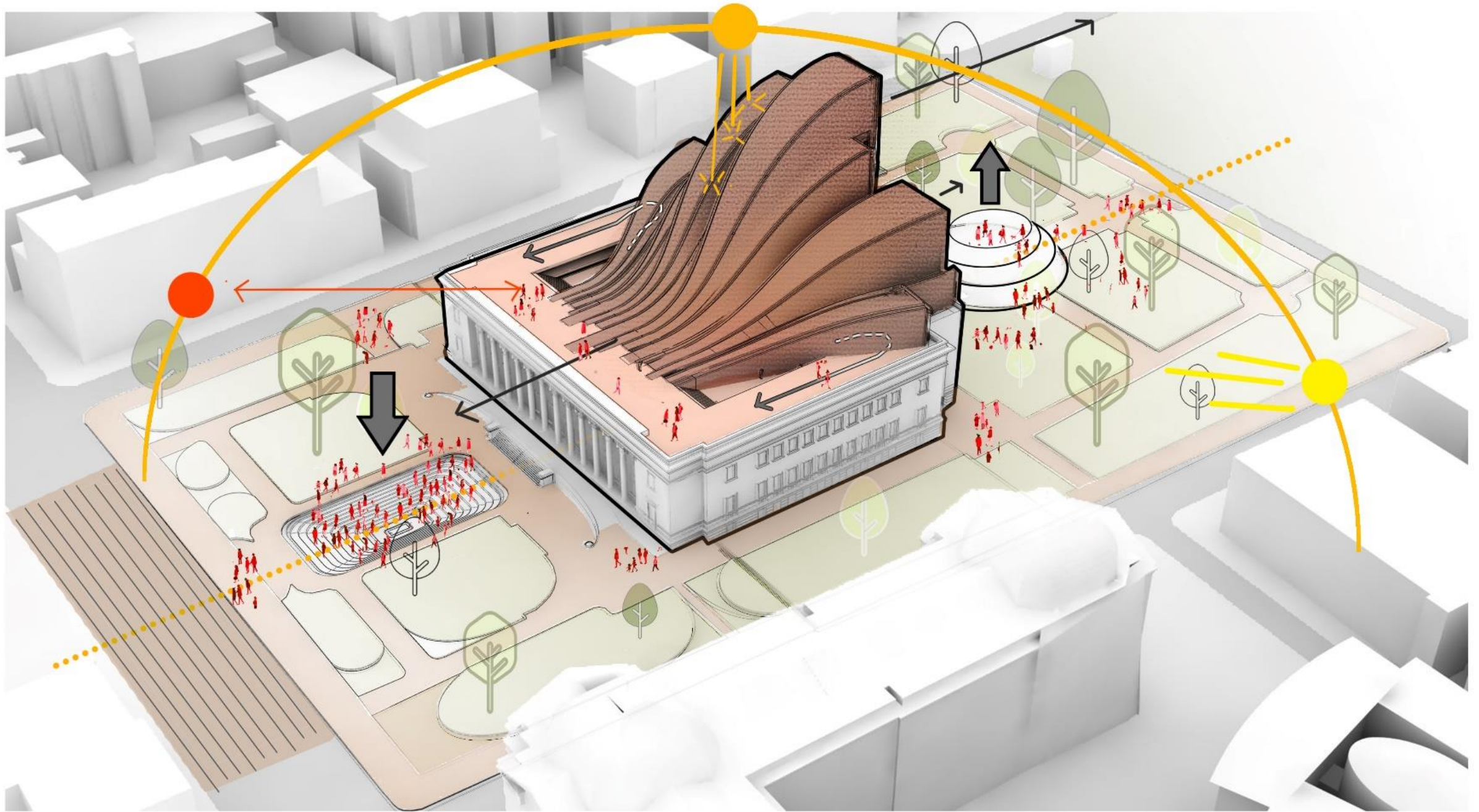




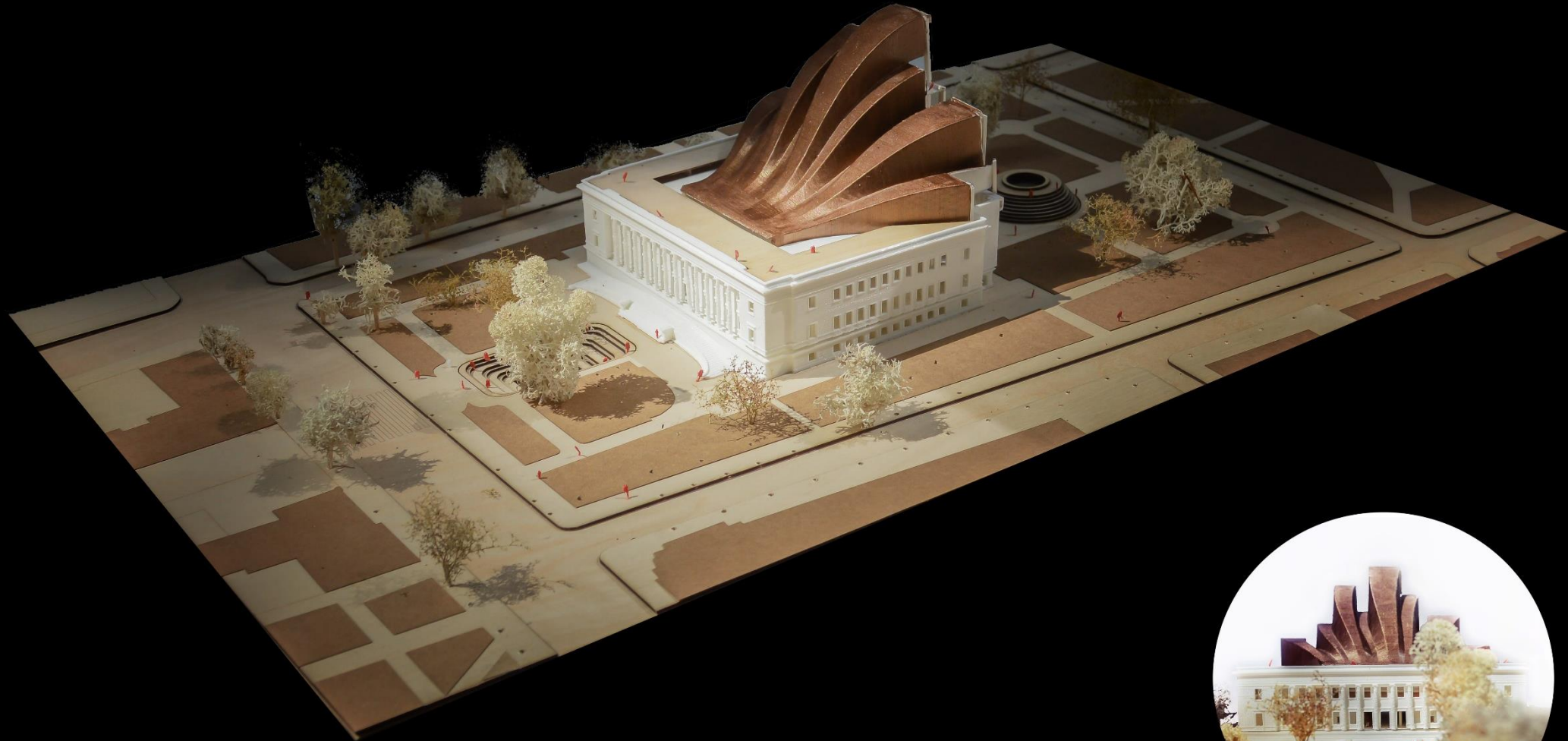


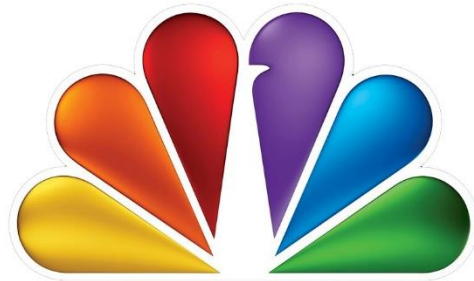








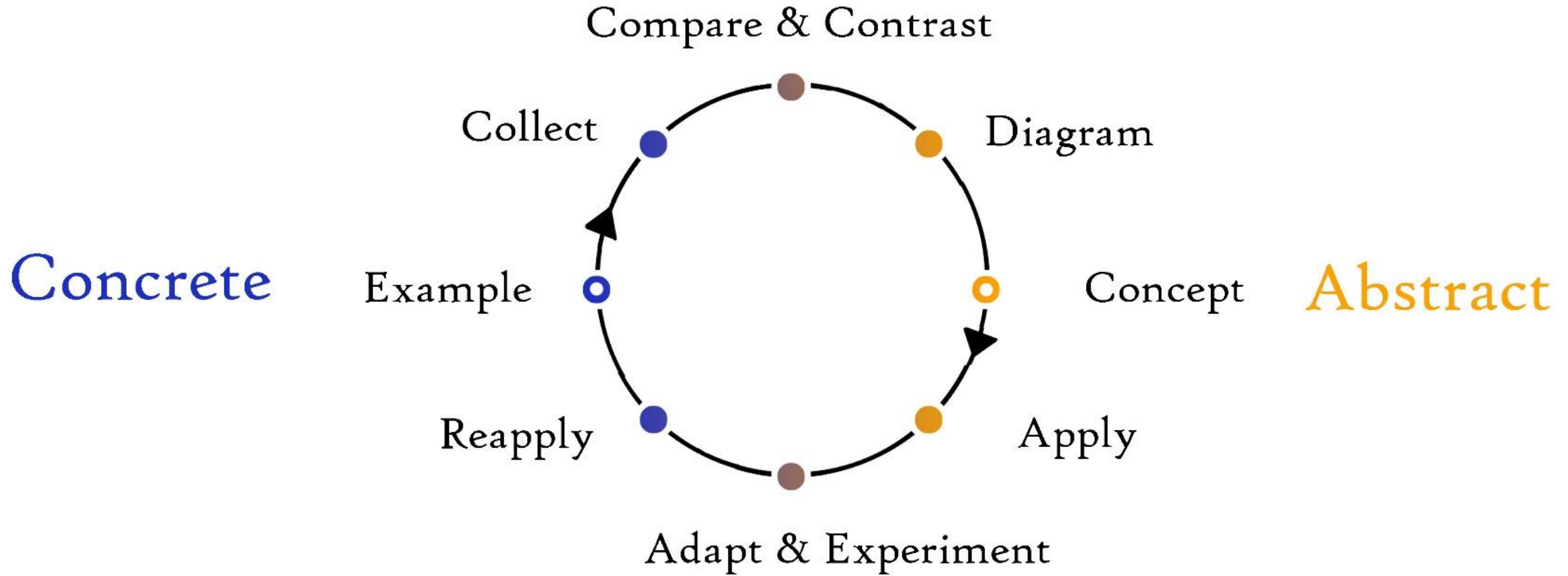




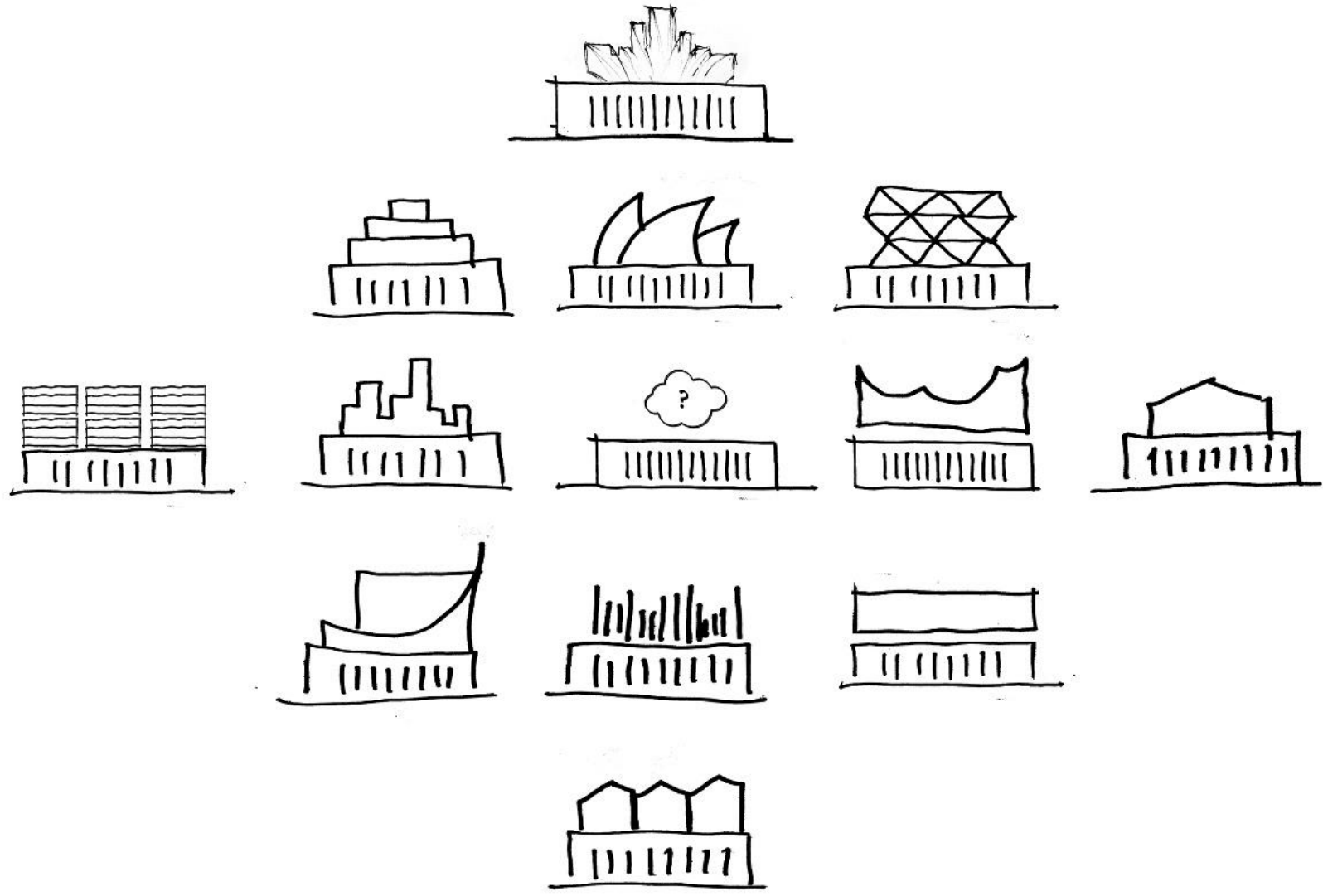


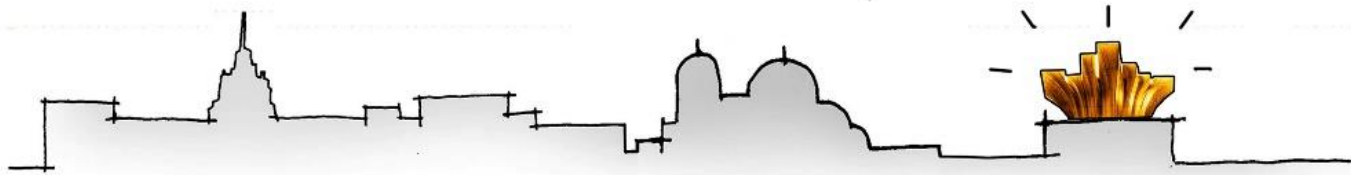
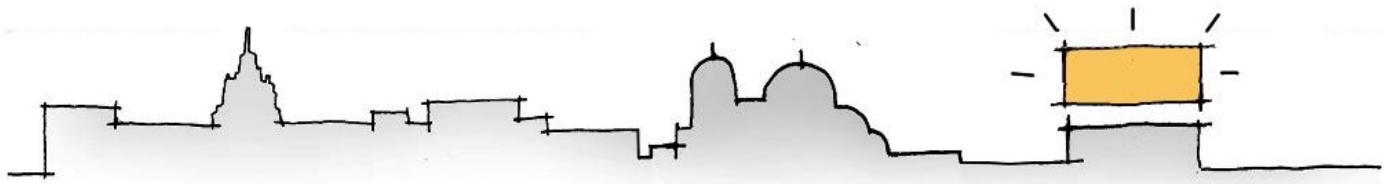


# Demystifying Abstraction: A model













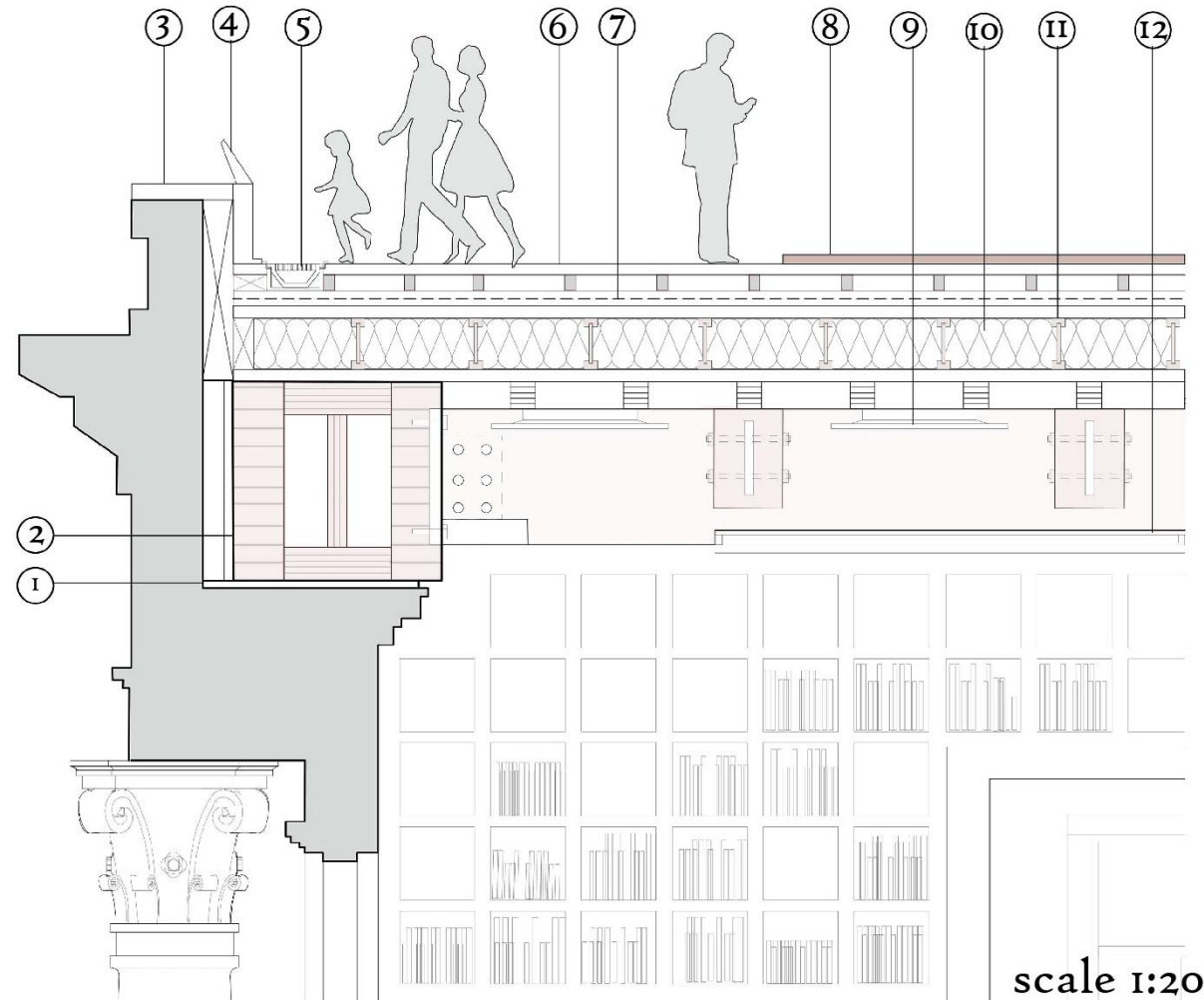
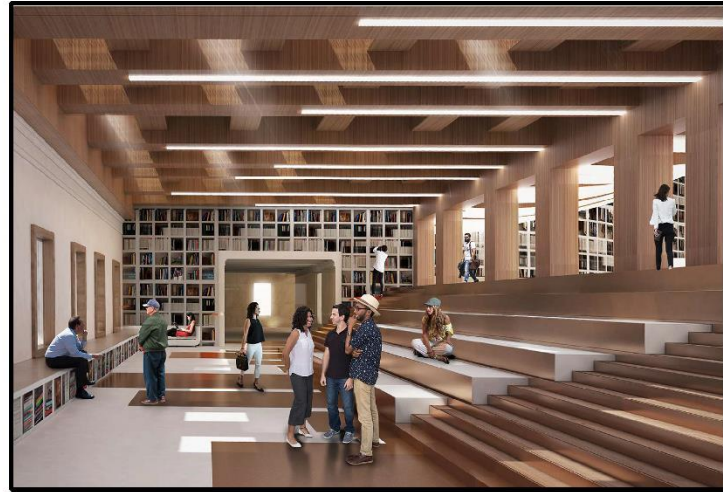




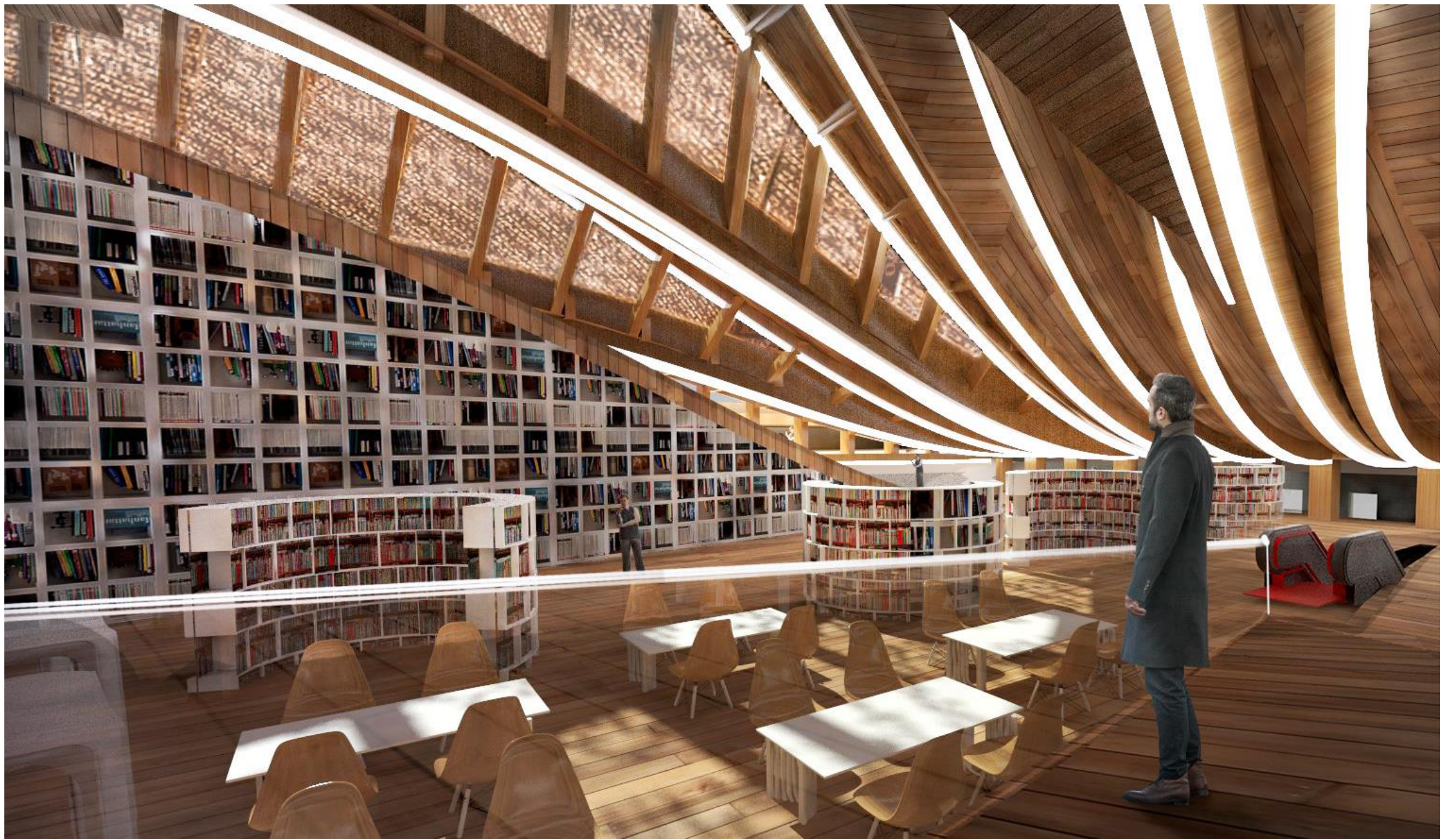


# Construction Detail: Between the old and the new

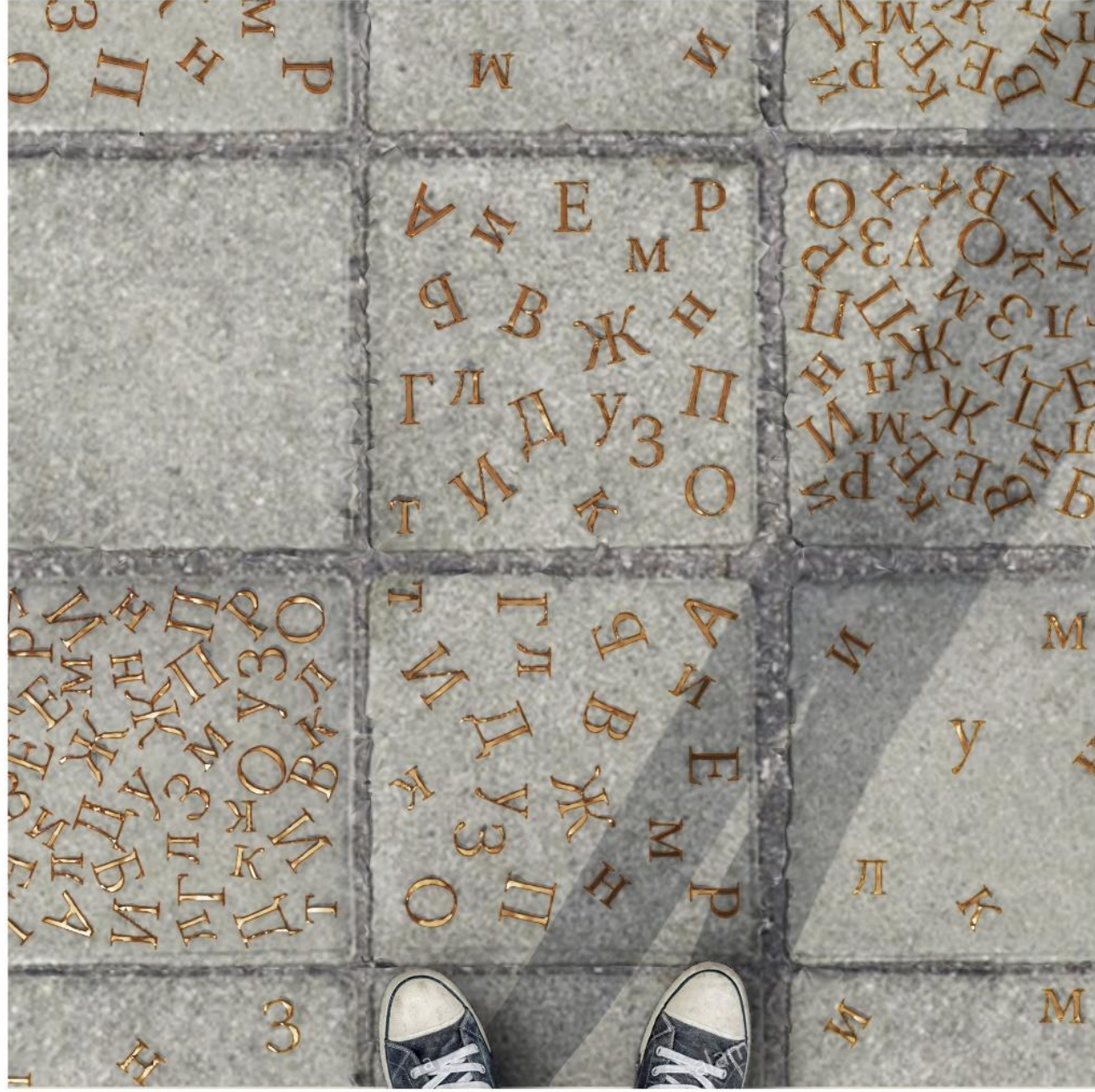
- 1. Steel Plate
- 2. Glulam Box Beam
- 3. Polished Travertine
- 4. Copper Signage
- 5. Drainage
- 6. Board on batten
- 7. Damp Proof Membrane
- 8. Perforated Copper Panels
- 9. Light Fixtures
- 10. Insulation
- 11. Timber I beams
- 12. Solid Glulam Timber Beam
- 13. Light Strip
- 14. Beam Hanger



scale 1:20



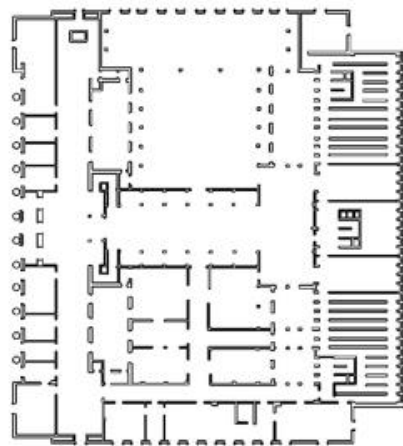
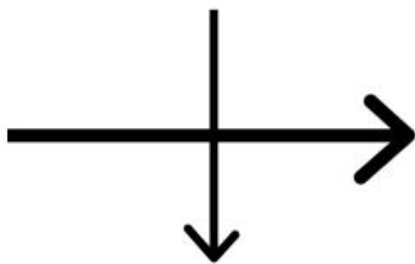




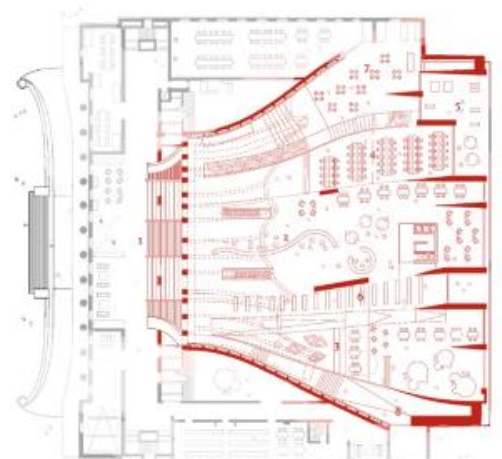
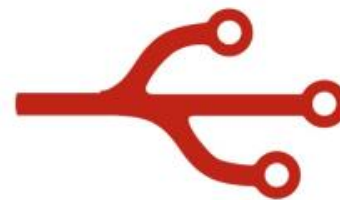


# Contrast

Old

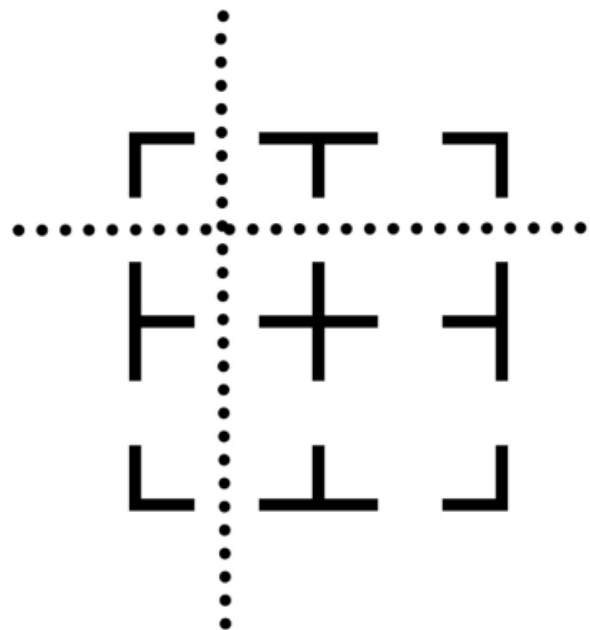


New

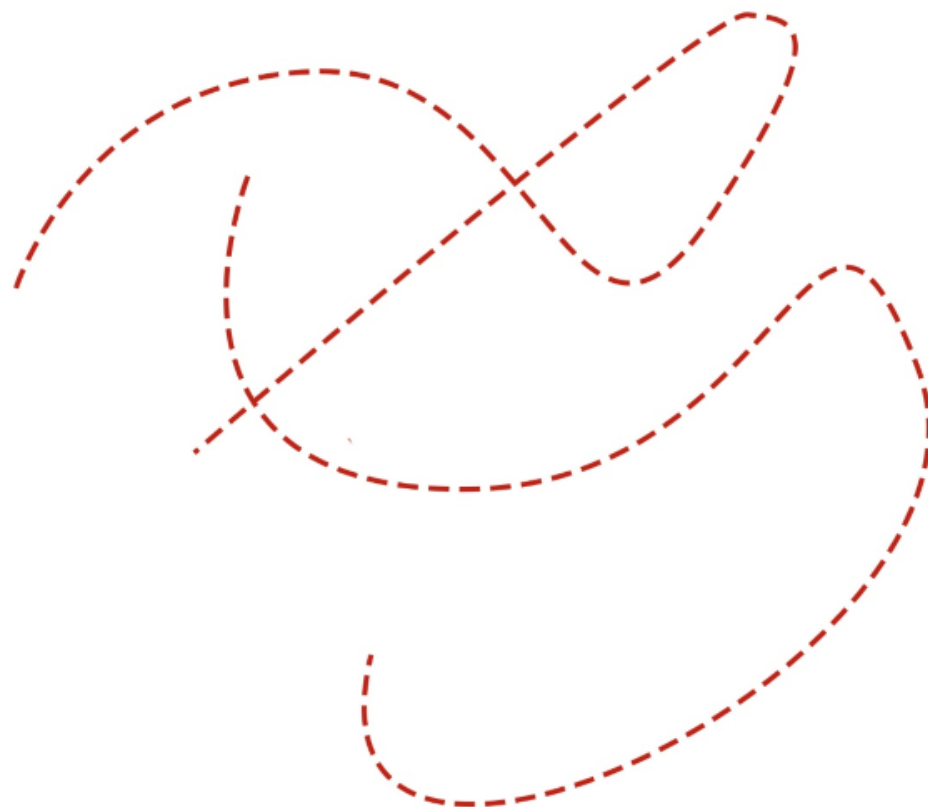


# Contrast

Old



New



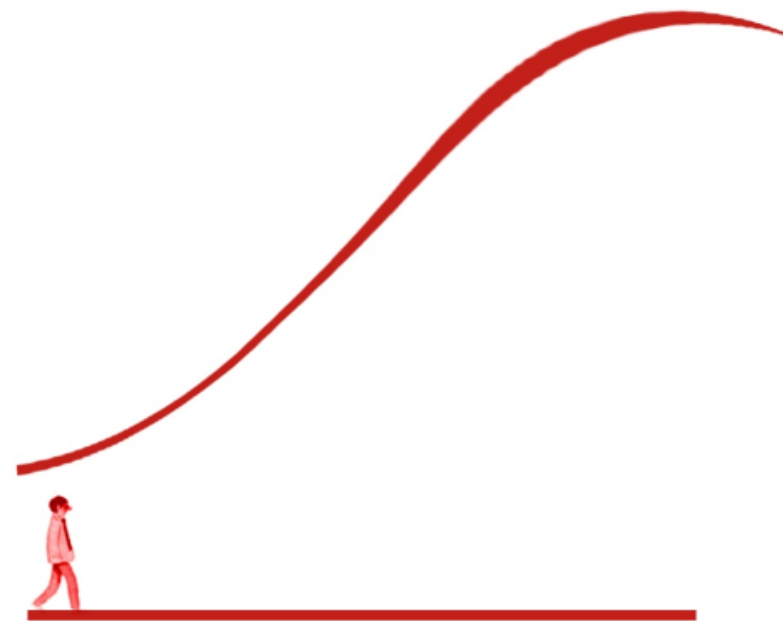


# Contrast

Old

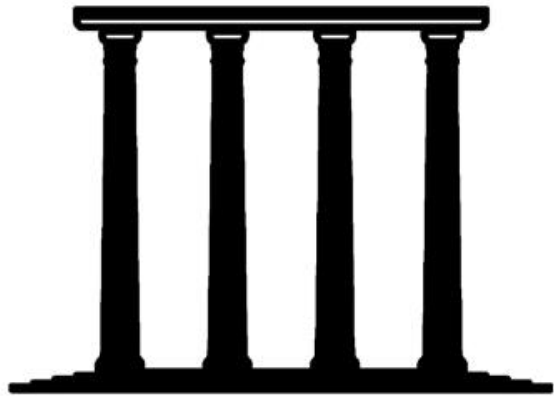


New

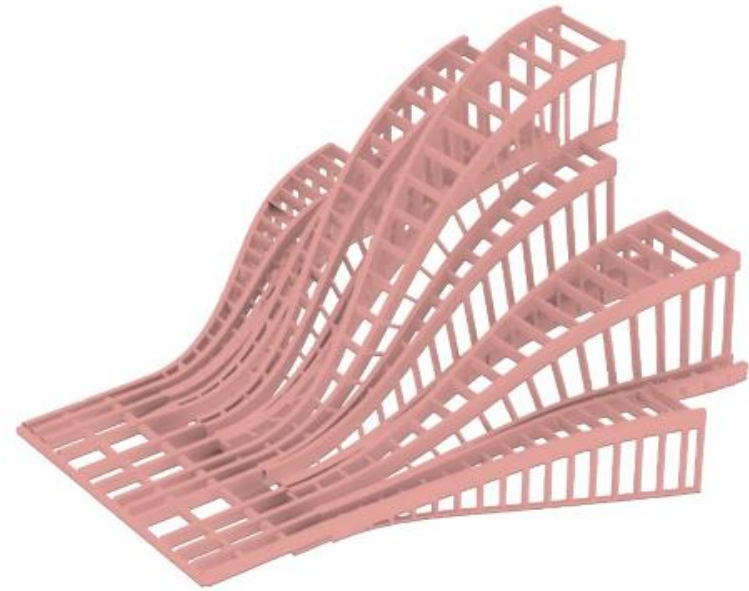


# Contrast

Old



New



Old

New



# Contrast

Old



New

















