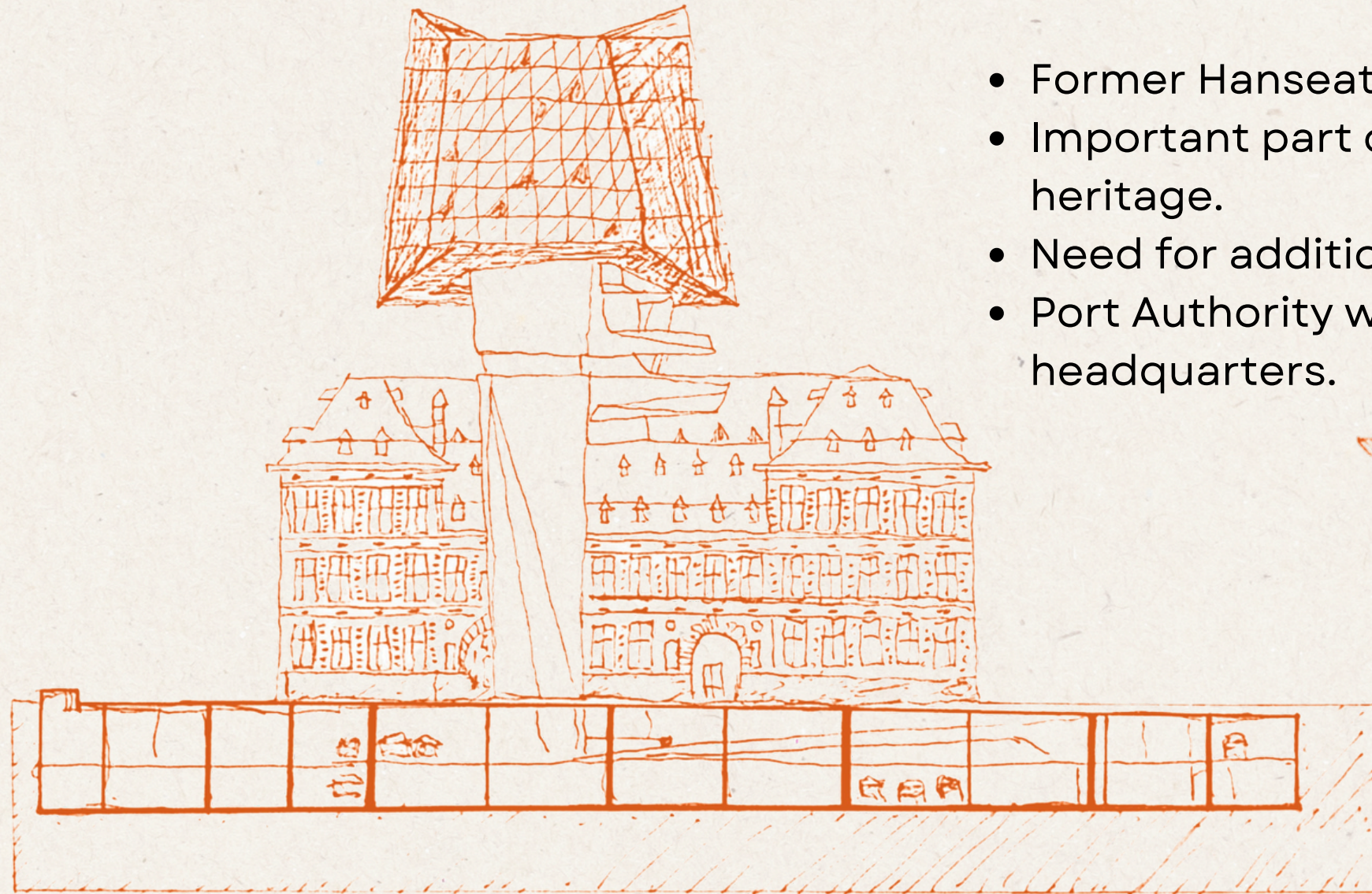


# Case study

## Antwerp Port House Extension

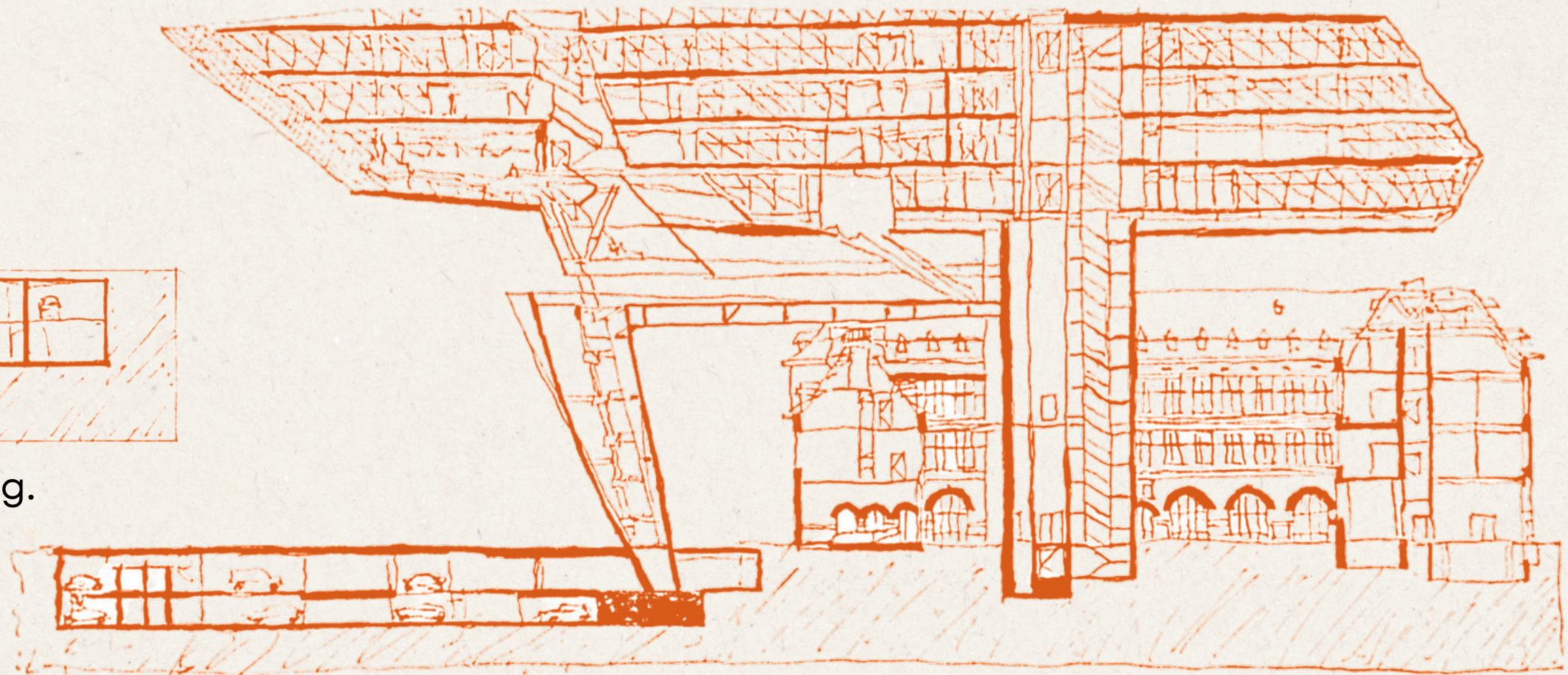
- Architect: Zaha Hadid Architects
- Location: Antwerp, Belgium
- Completed: 2016



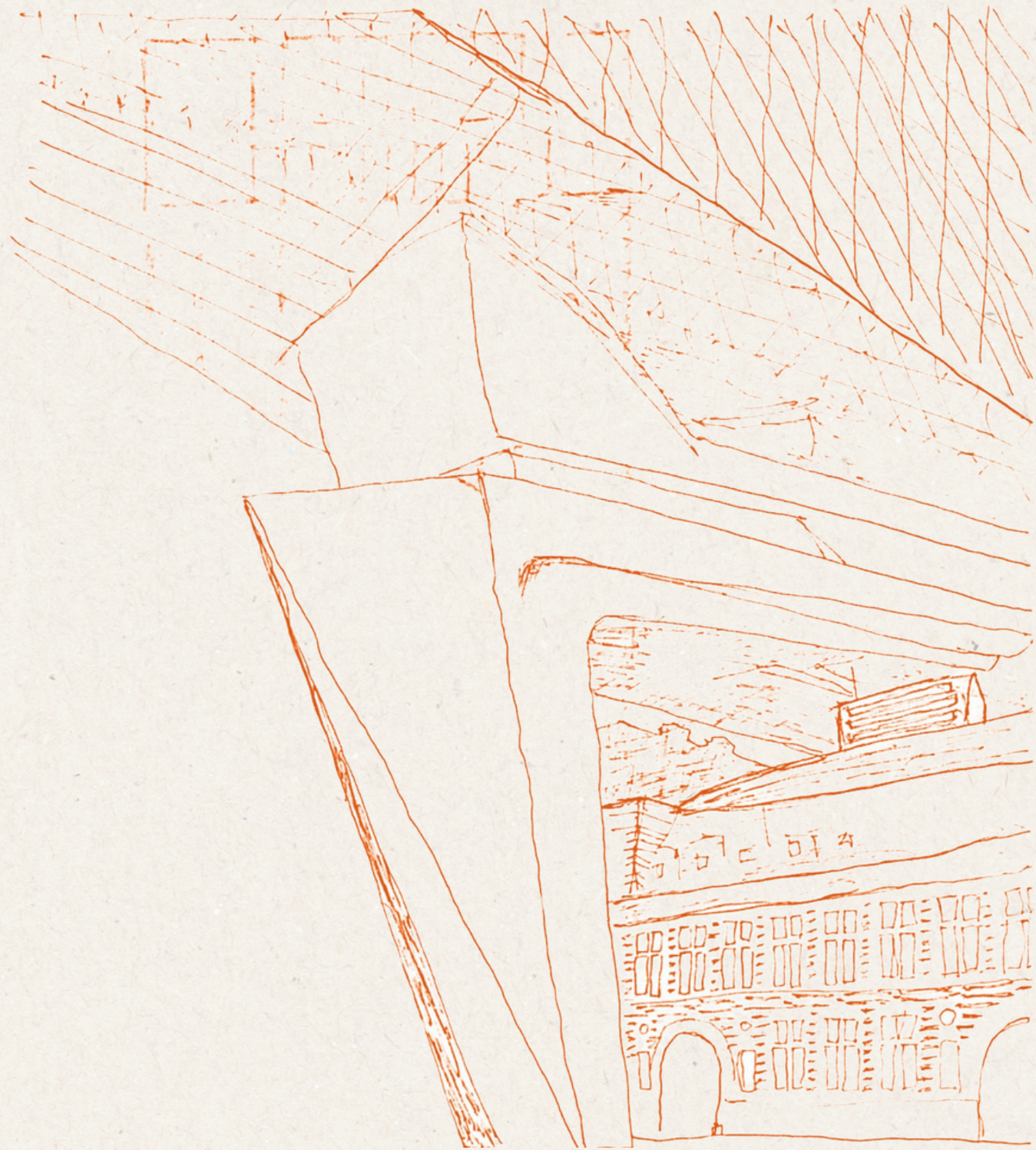
- New office volume suspended above the old building.
- Existing structure preserved.
- New and old connected through bridges and circulation cores.
- Extension elevated to avoid damaging the historic fabric.



Plan

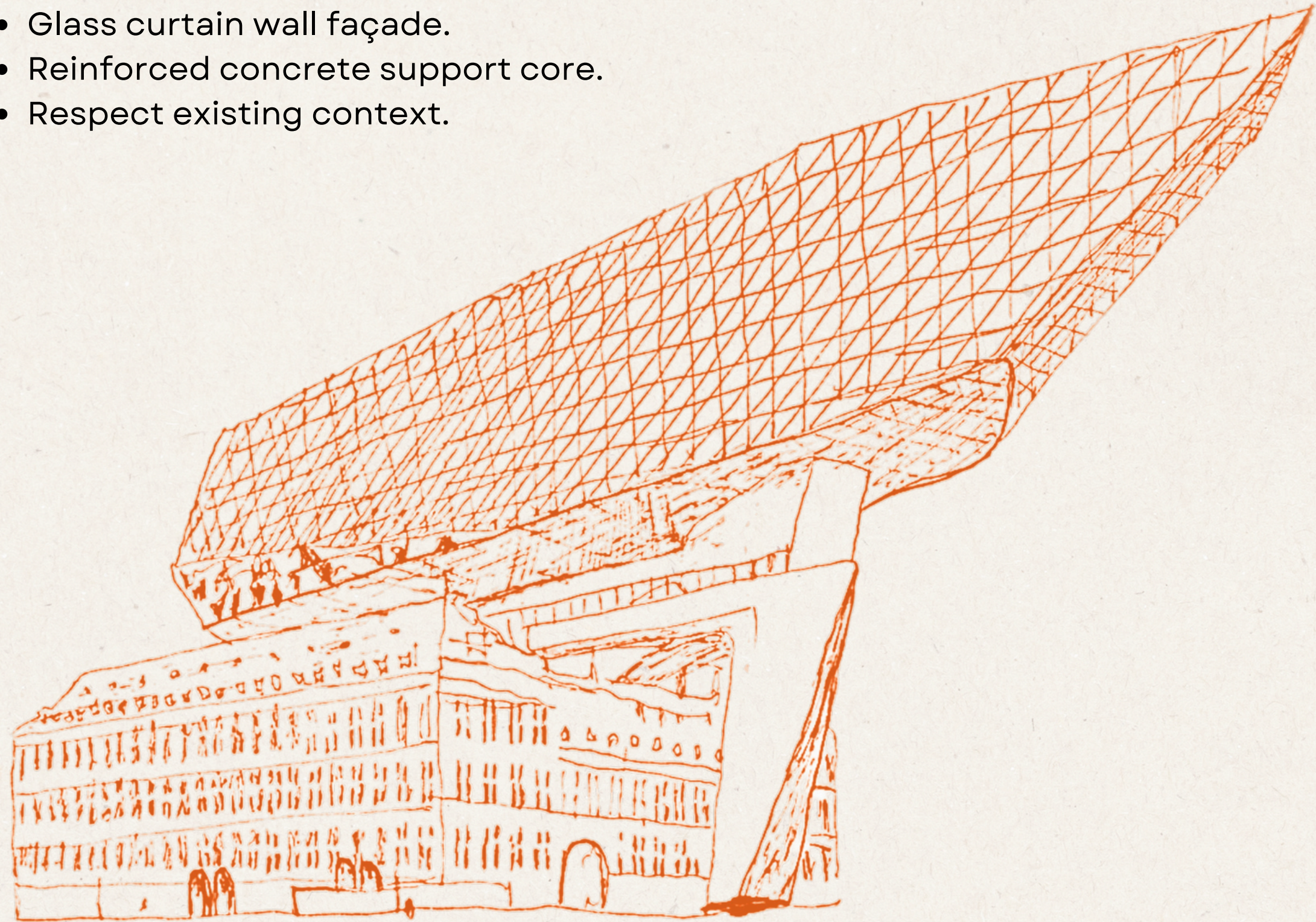


Long Section

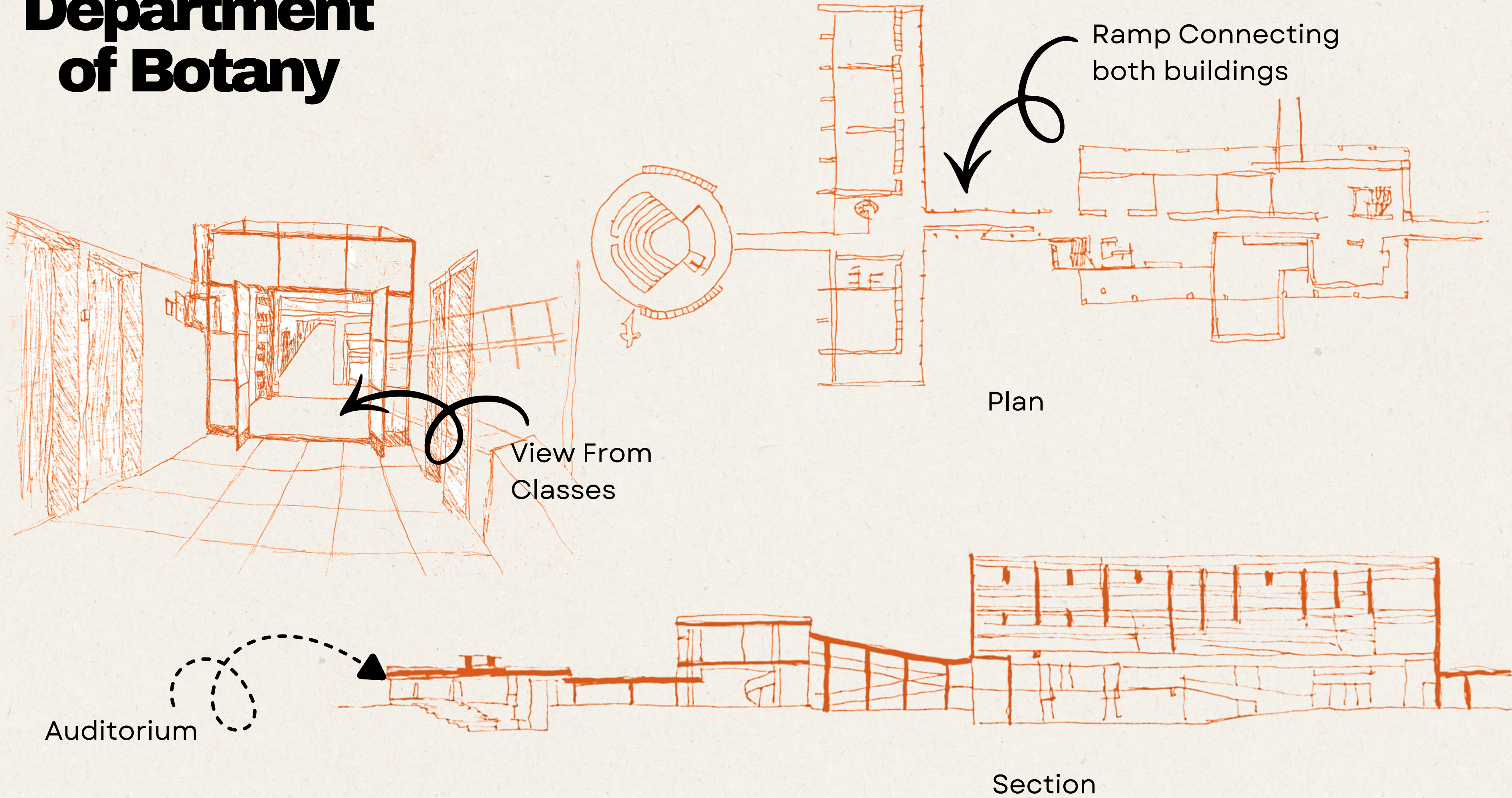


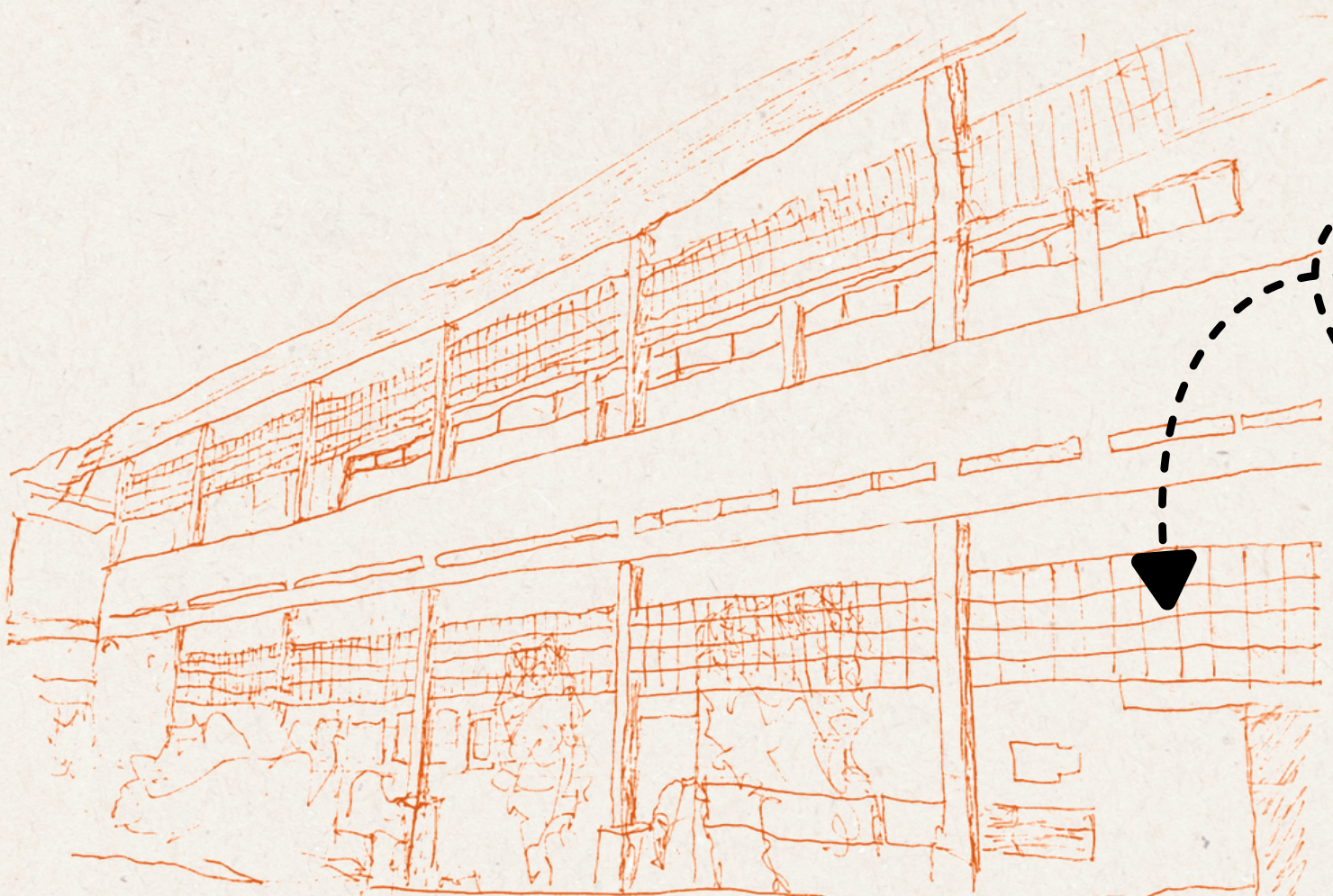
- Create meaningful contrast.
- Preserve heritage.
- Expand vertically when site space is limited.
- Use architecture to tell a story.

- Structural Retrofitting.
- Shape resembles a ship's bow.
- Faceted glass façade references Antwerp's diamond industry.
- Represents movement, innovation, and maritime identity.
- Steel frame structure.
- Glass curtain wall façade.
- Reinforced concrete support core.
- Respect existing context.

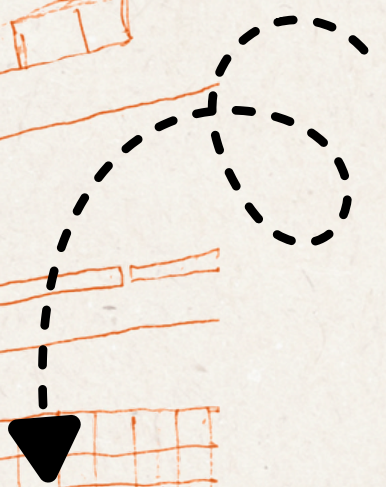


# Department of Botany





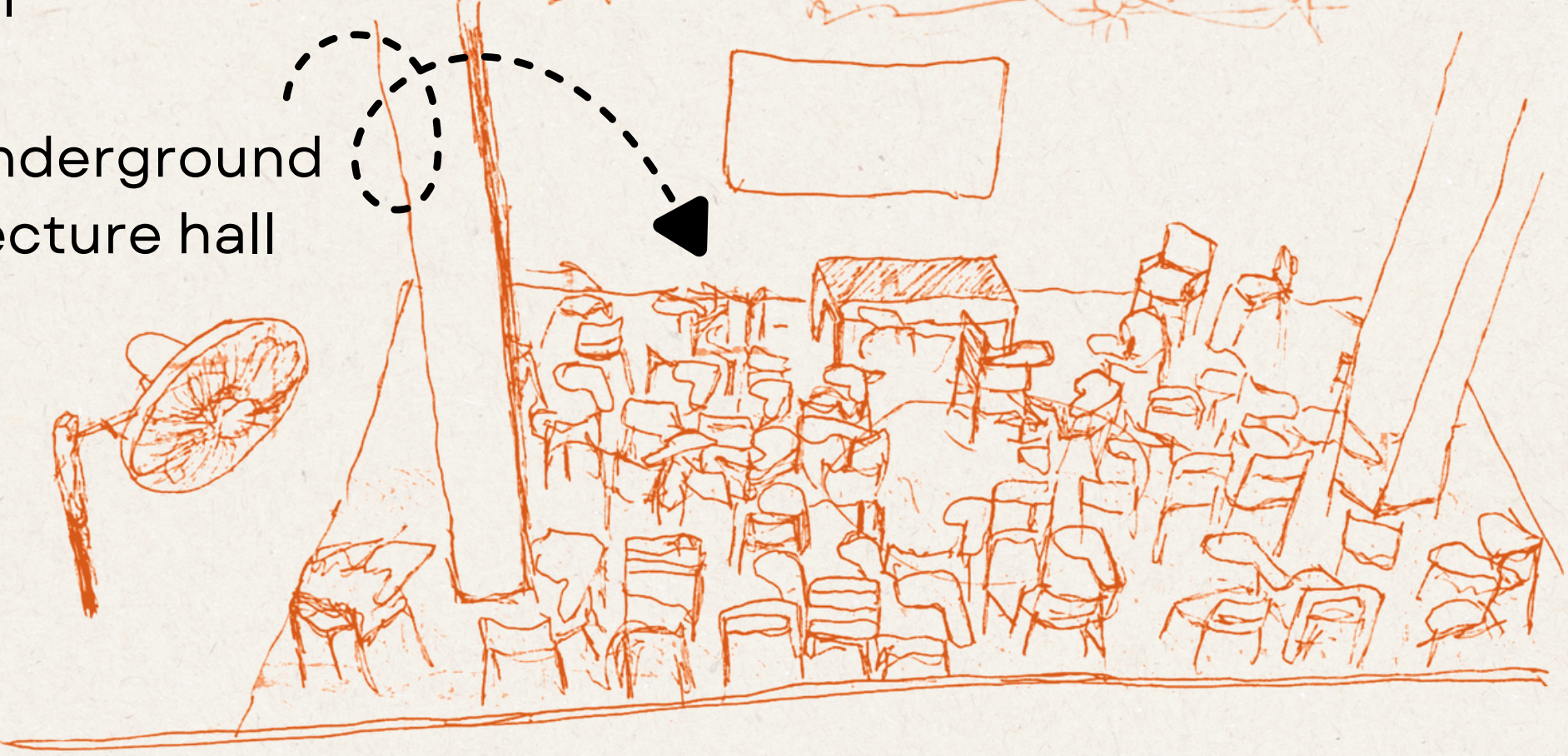
Jalis

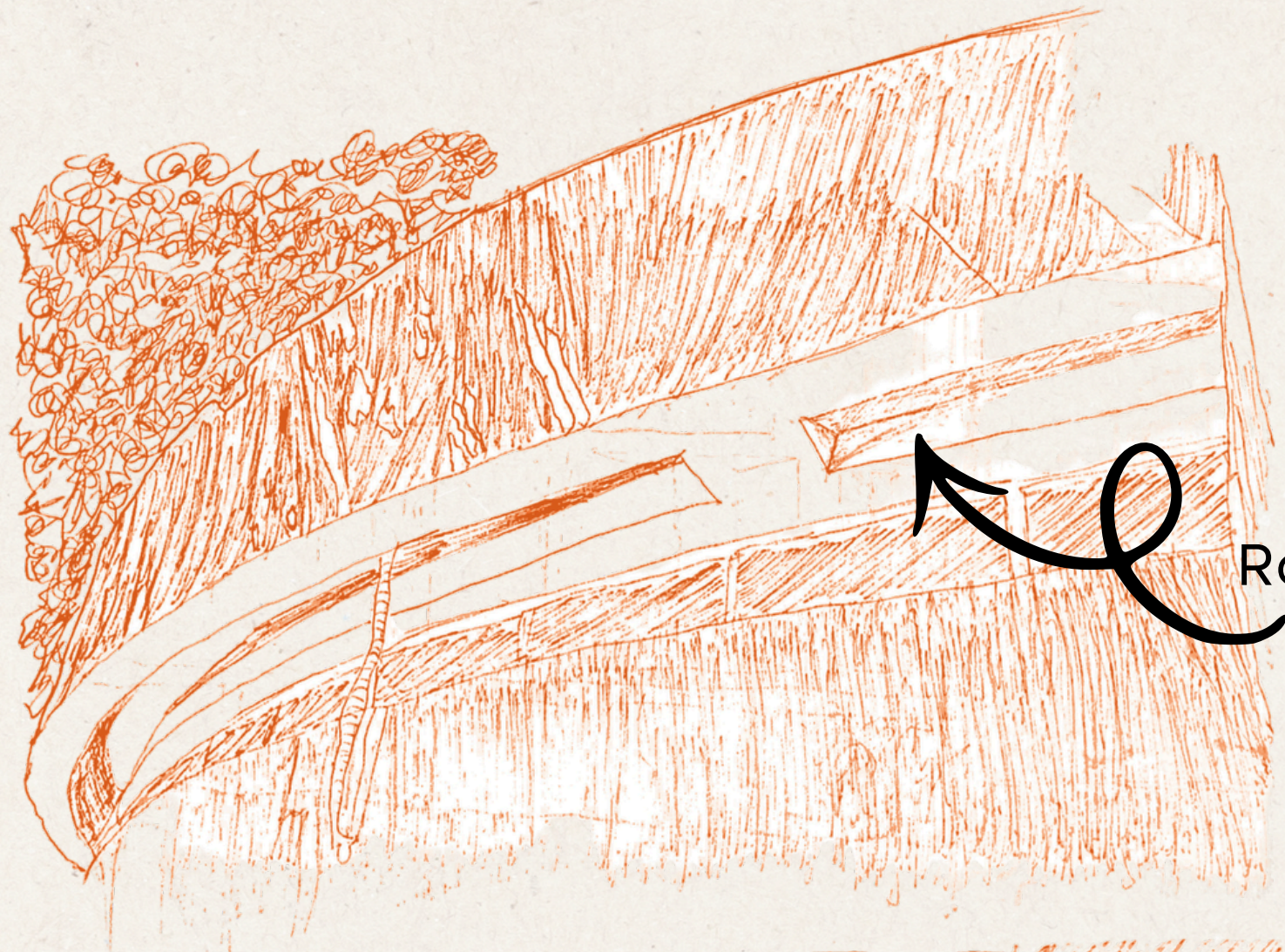


Windows above the lecture hall

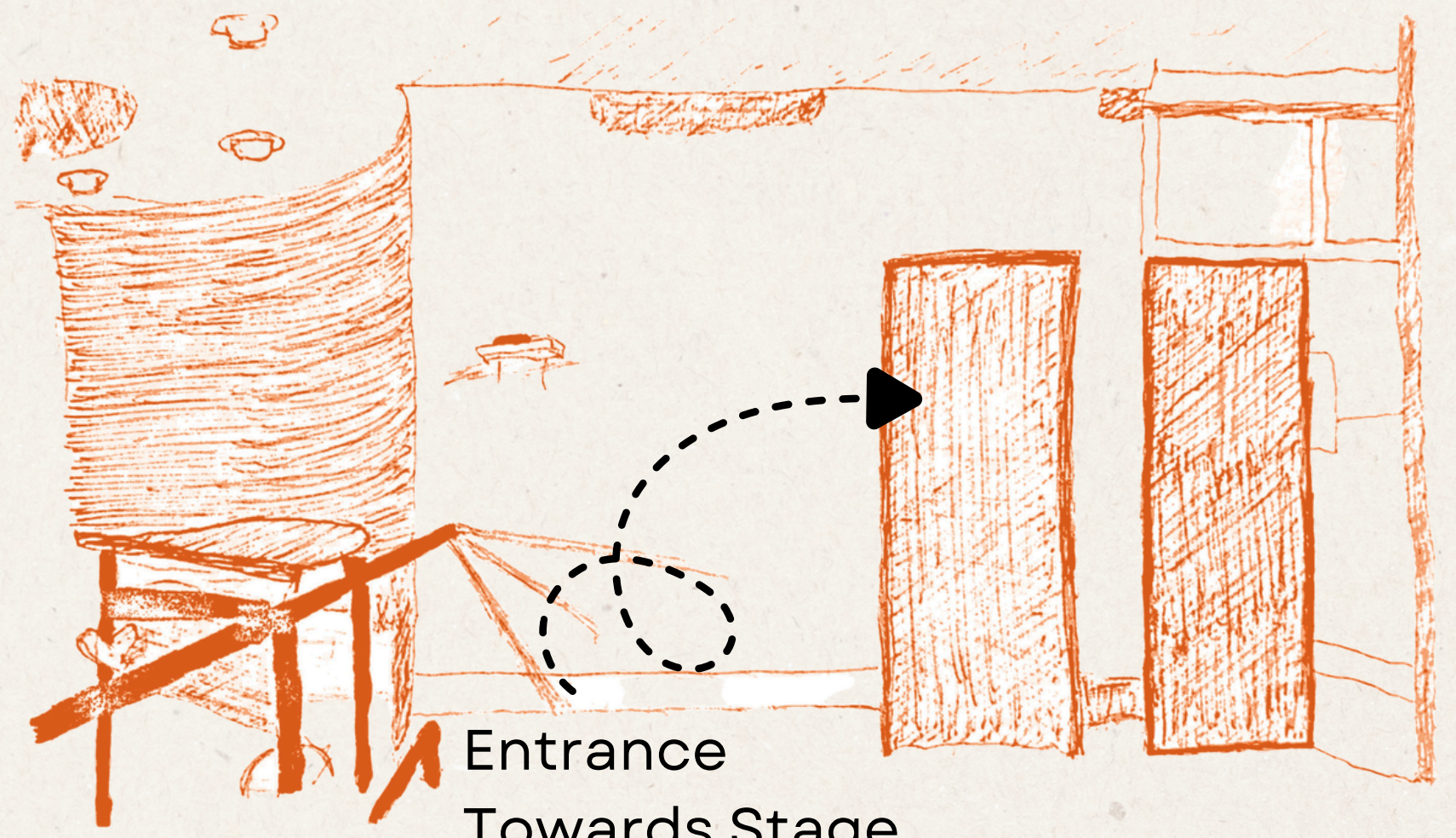


Underground Lecture hall

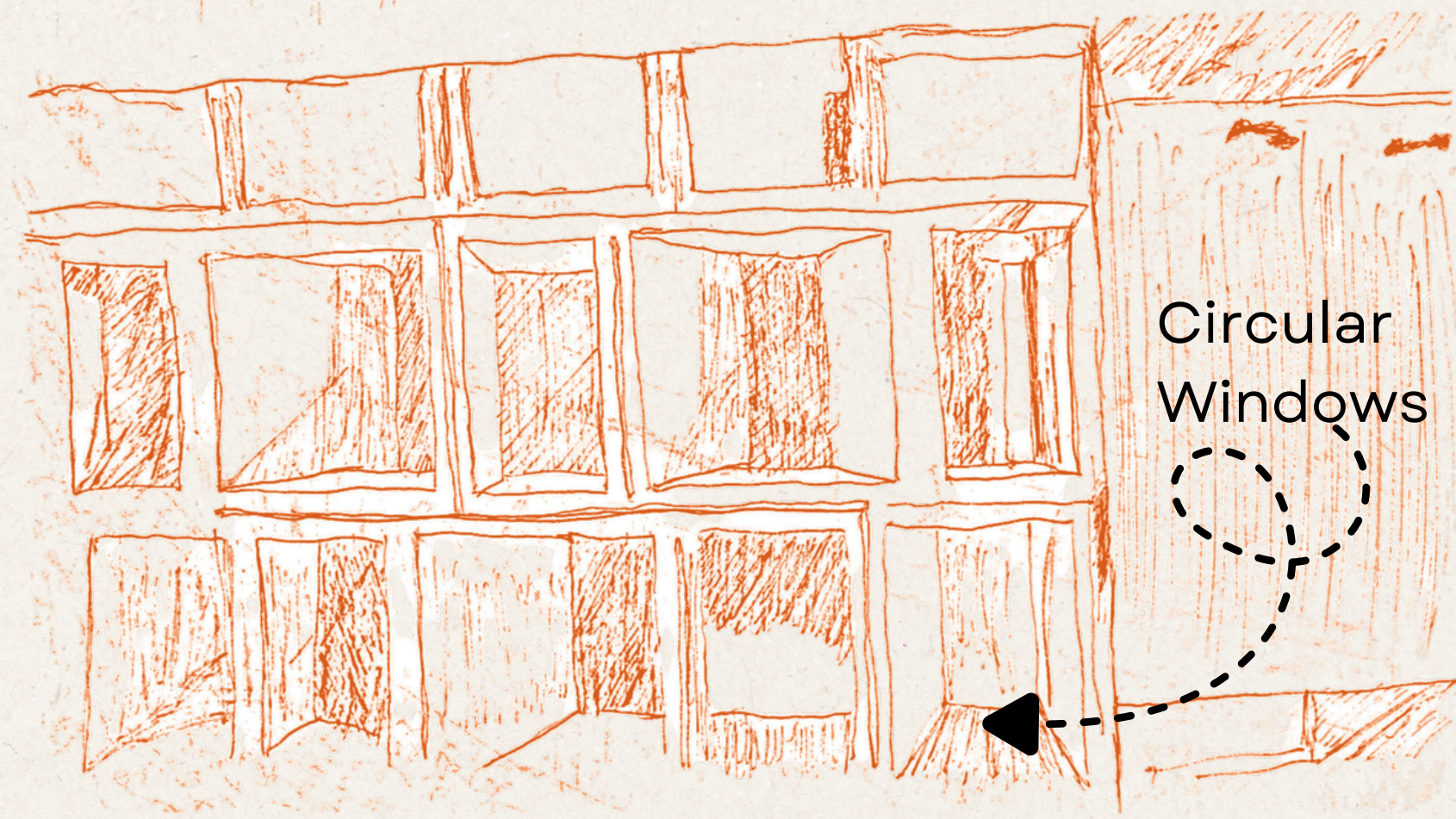




Roof Detail

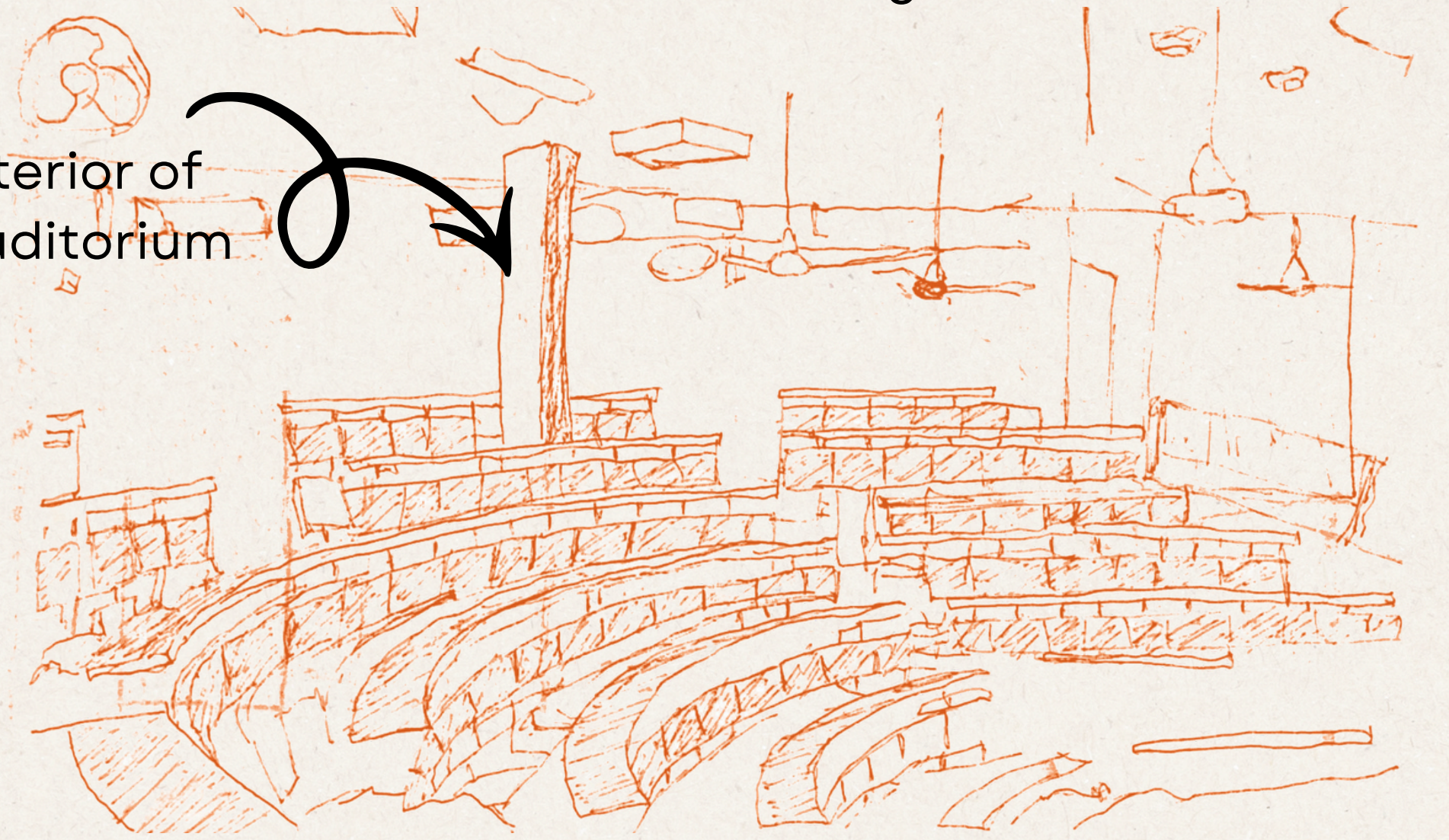


Entrance  
Towards Stage



Circular  
Windows

Interior of  
Auditorium



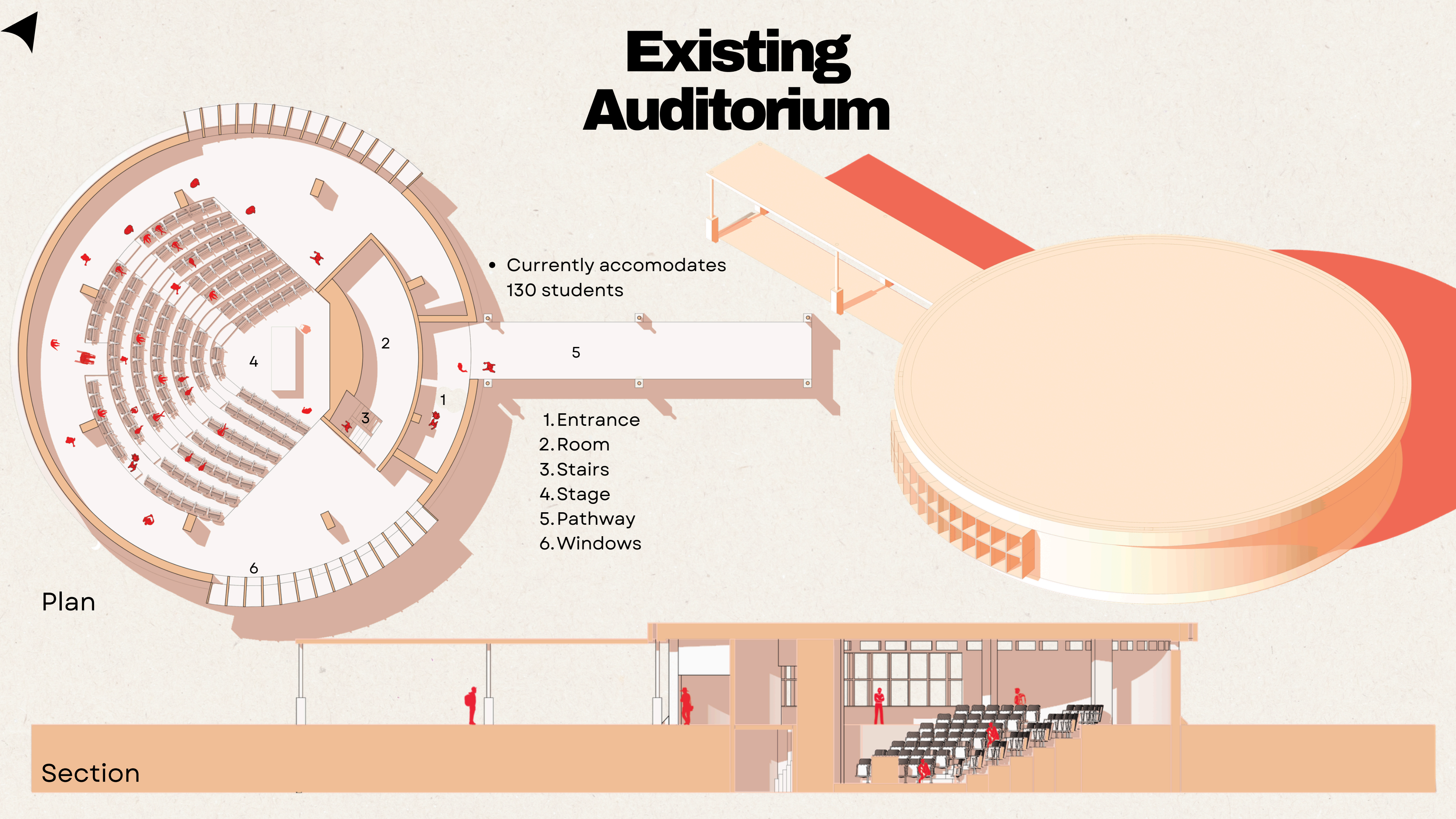
# Existing Auditorium

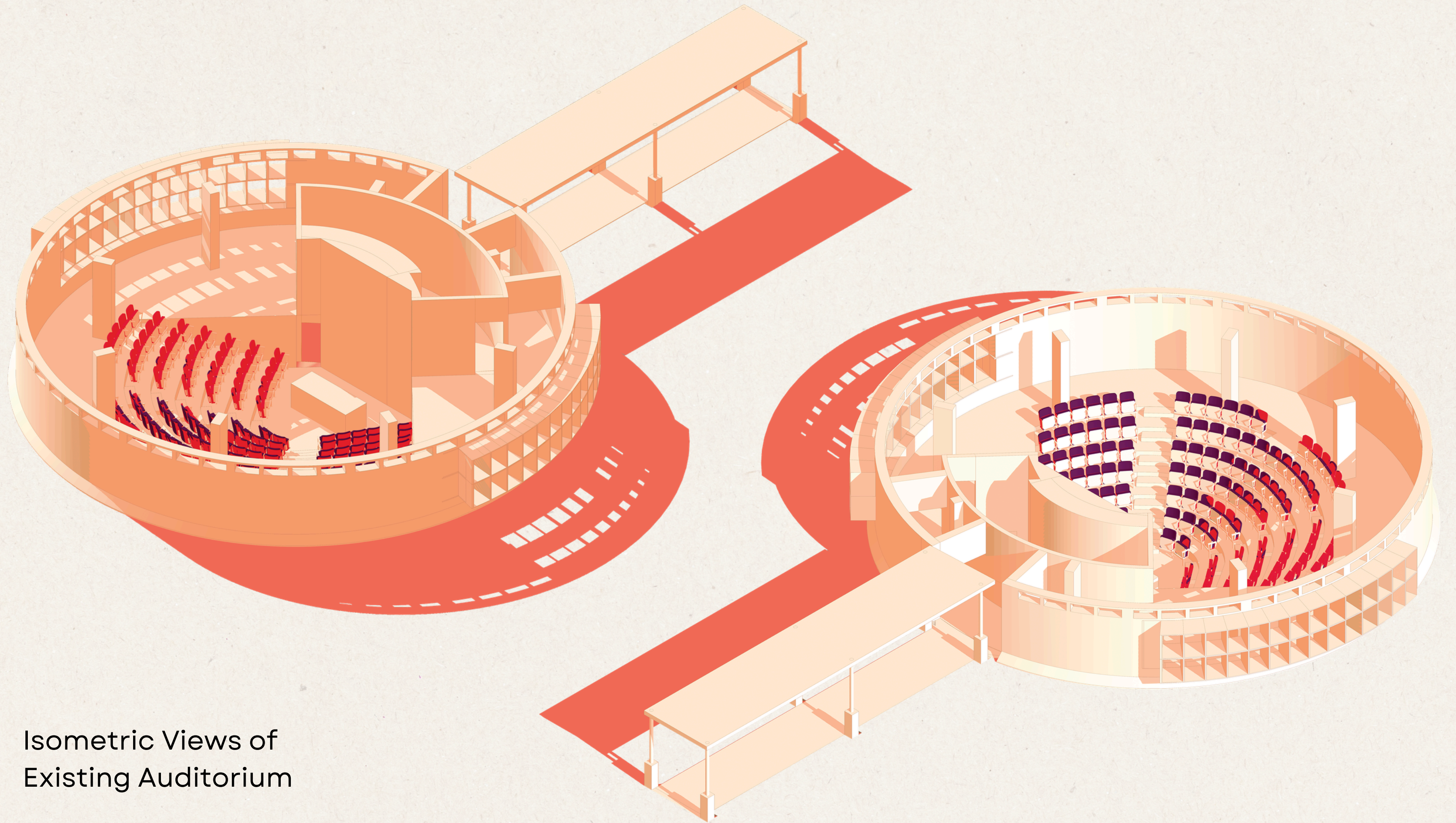
• Currently accomodates 130 students

- 1. Entrance
- 2. Room
- 3. Stairs
- 4. Stage
- 5. Pathway
- 6. Windows

Plan

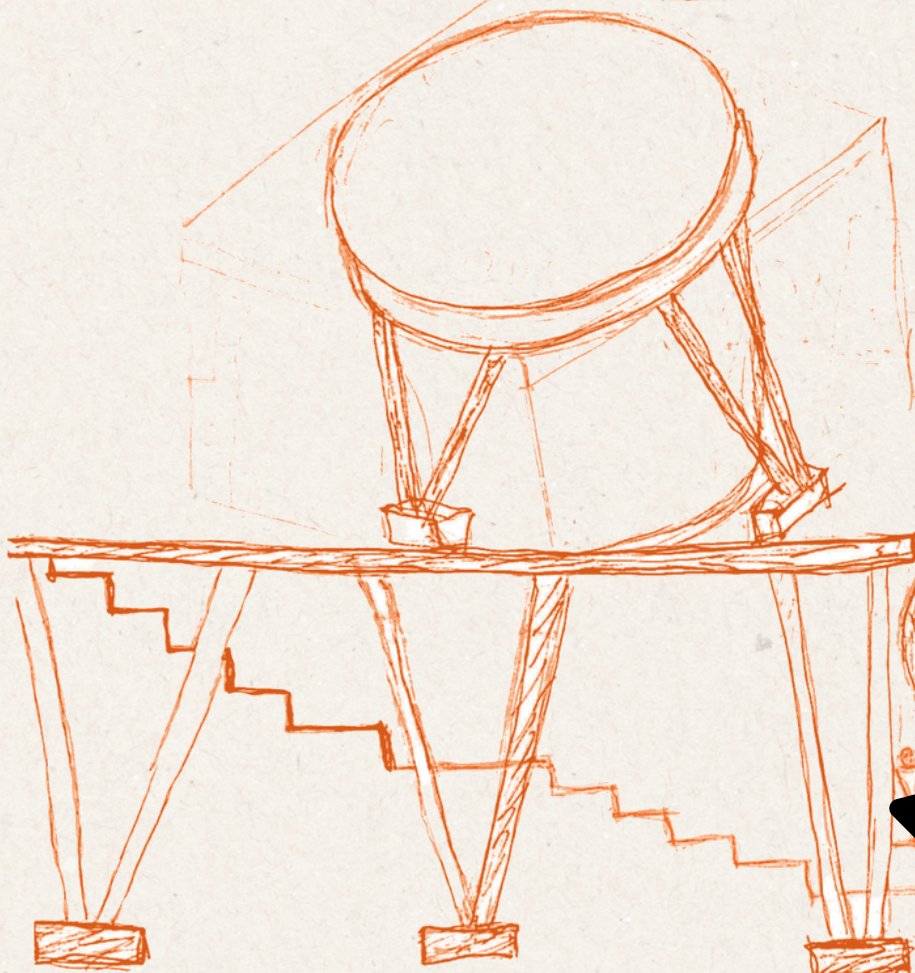
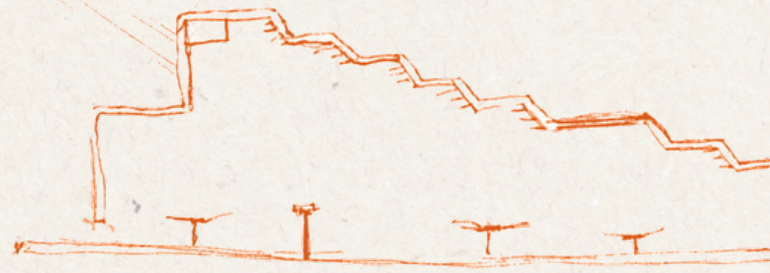
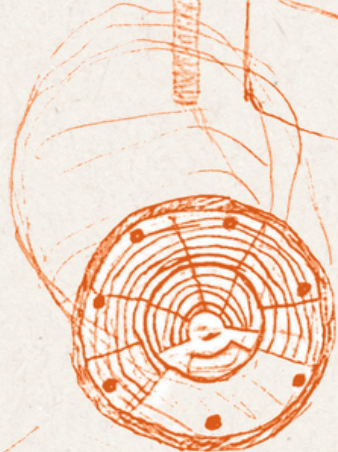
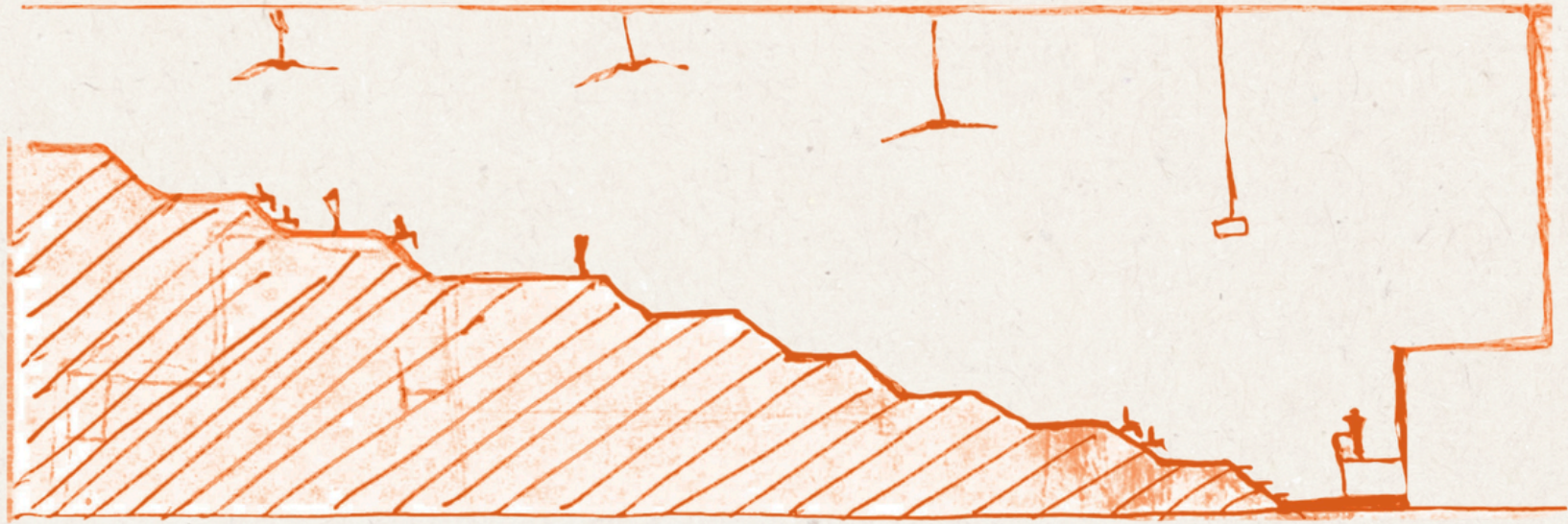
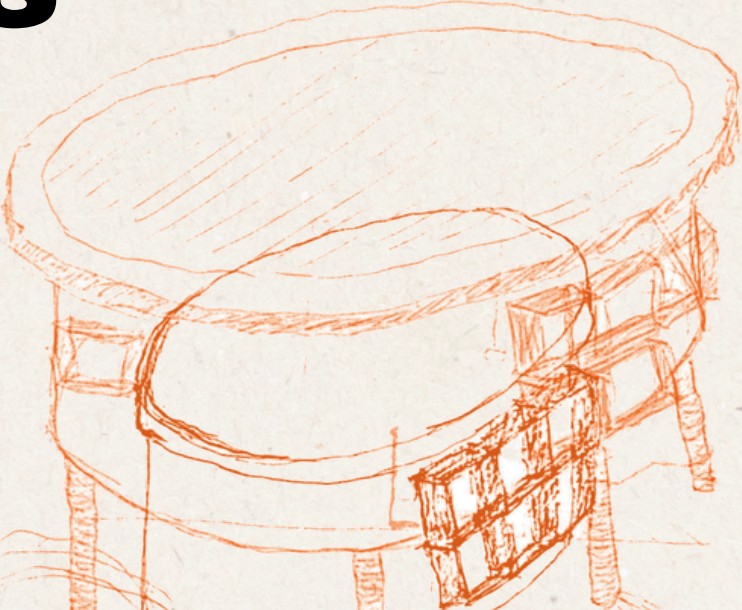
Section





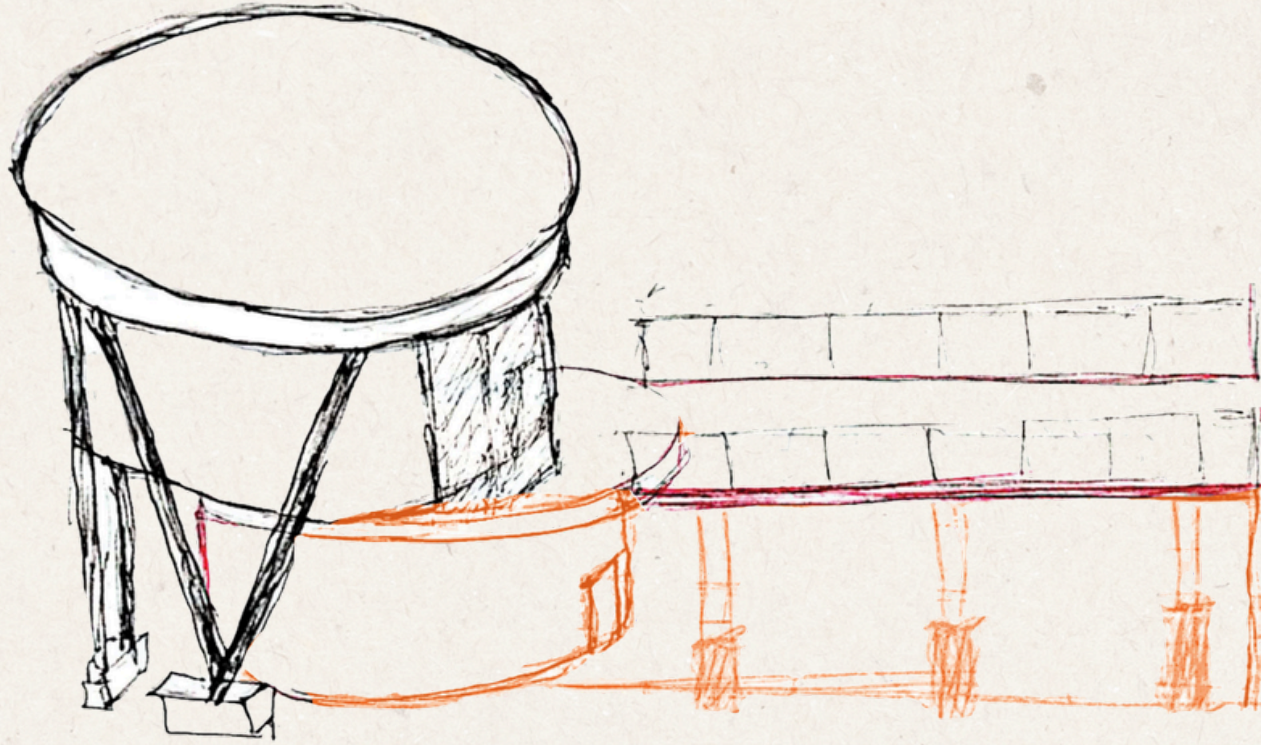
Isometric Views of  
Existing Auditorium

# Process Work



Exploring Columns

Another Floor on top of Existing



■ Extension  
■ Existing

