

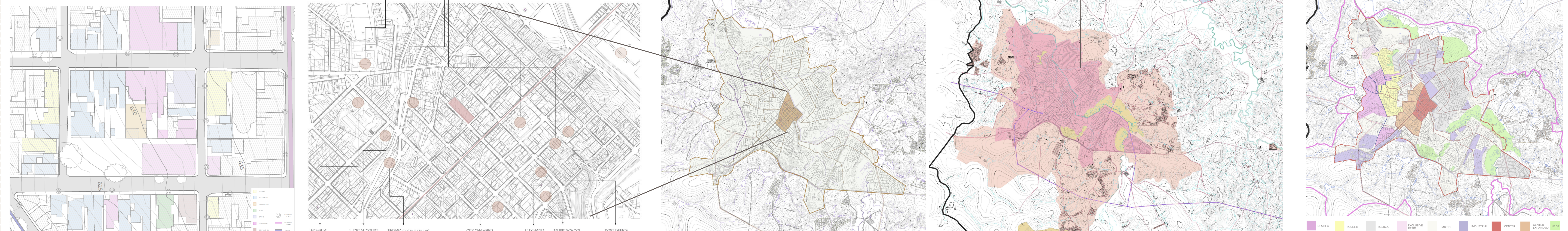
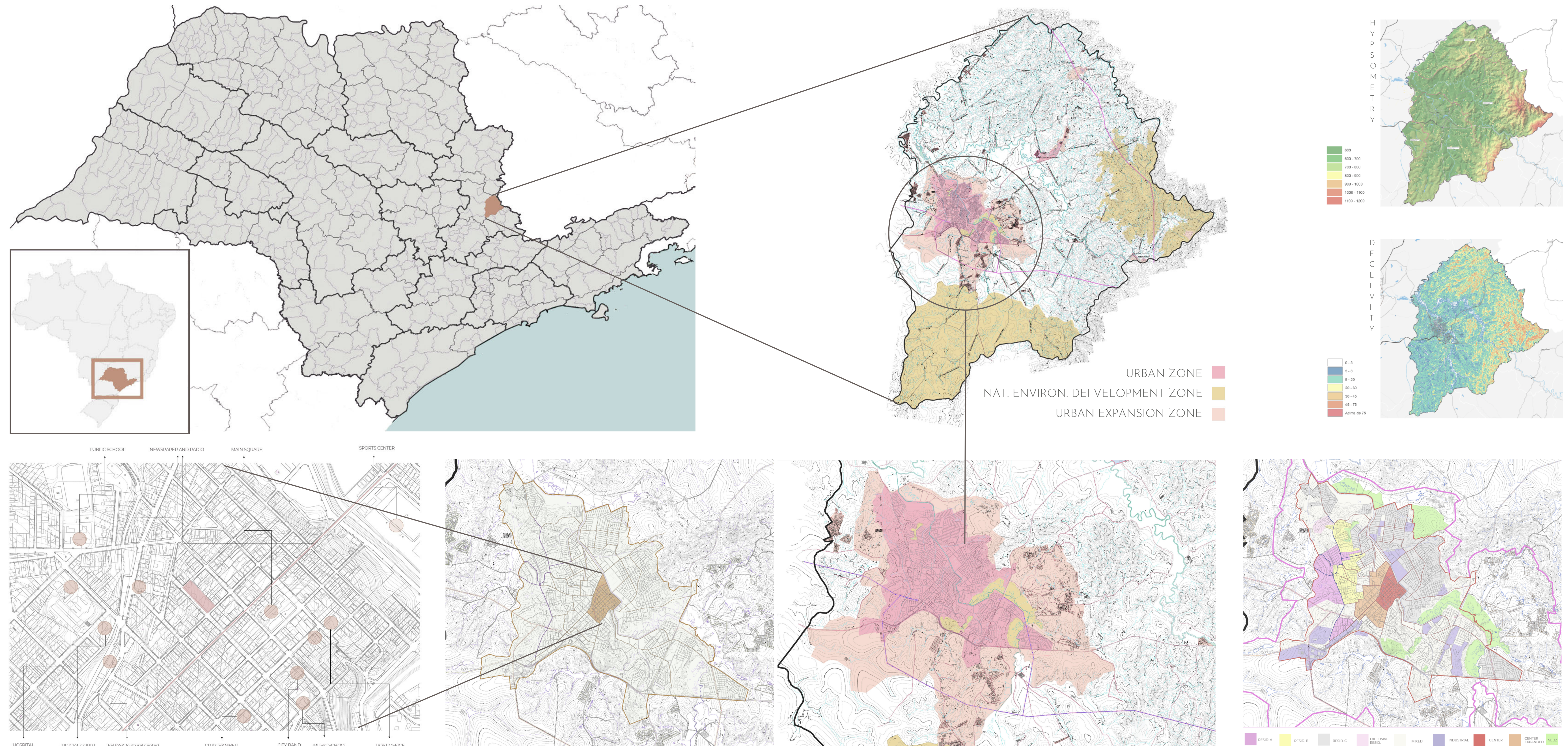
# LUMINA

## Market Hall Rehabilitation

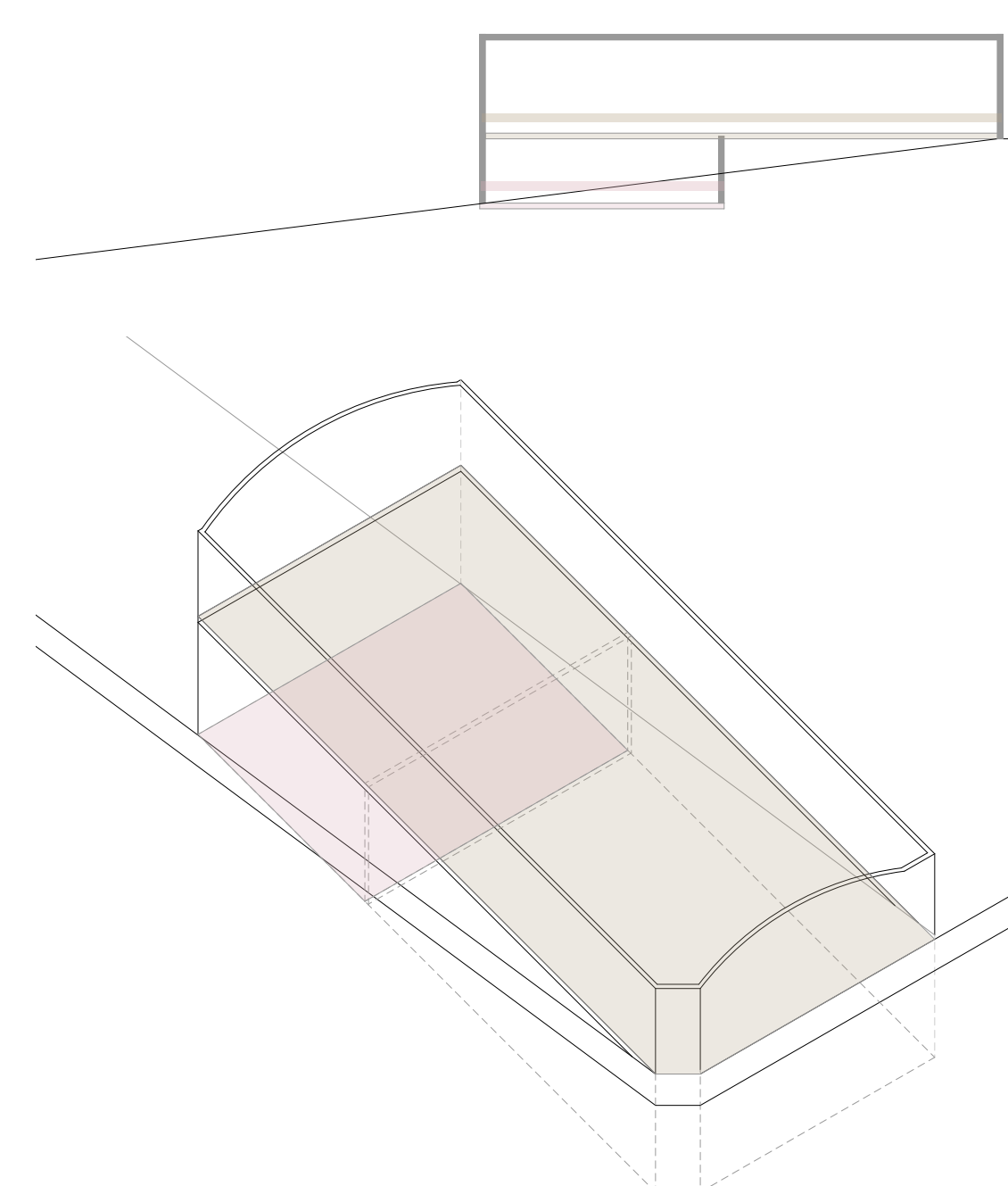
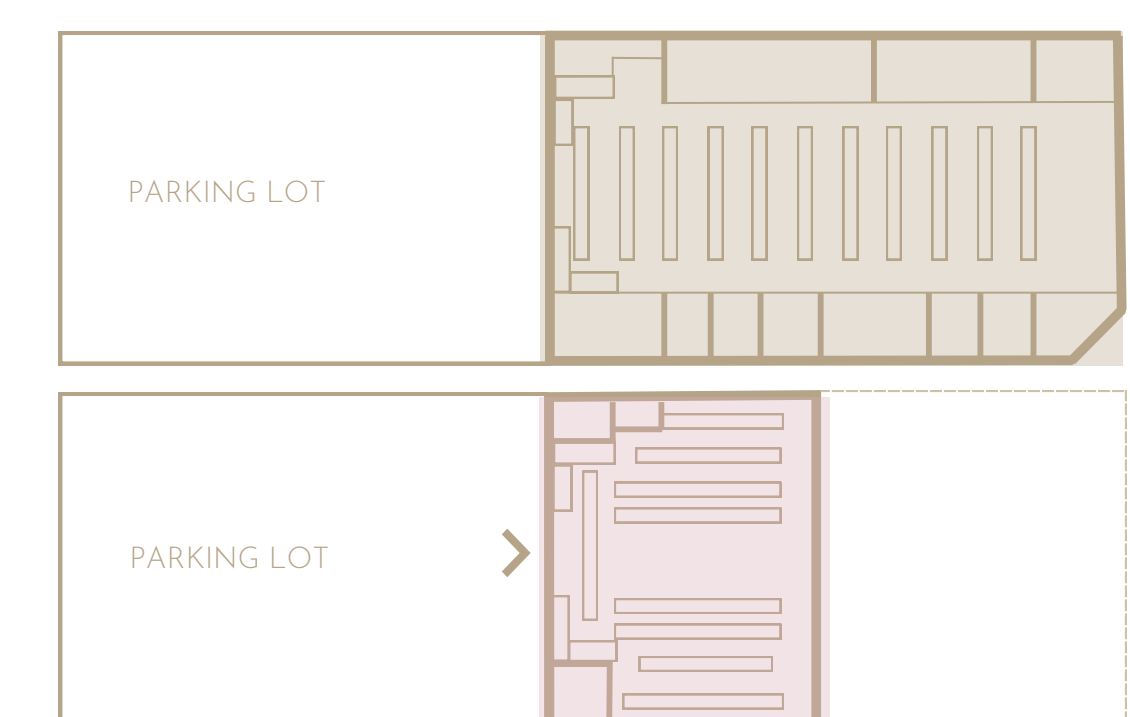
Livia de Oliveira Horta Junqueira // Itapira - SP // Diploma Design // E51KTO

The following project is located in the state of São Paulo, Brazil in Itapira. The city is located at 643m above sea level it has an area of 518 Km<sup>2</sup> and a population of 75000. Itapira is characterized by its agriculture growing oranges, sugar-cane, cattle and (now-declining) coffee but is also a manufacturing center, specializing in wood and paper products, agricultural machinery, and ethanol production. The project site is located downtown. Currently in the 2180m<sup>2</sup> plot stands a city landmark, the market hall which was built in 1954. During the first decades it was not only a place where farmers and local producers were selling their goods but also of socialization of the city's inhabitants. Now a days, mainly non-natural goods are sold and fairs take place twice every week during the evening where local farmers sales of natural goods take place.

The building currently has 2 levels. The upper level, accessible through R. Bento da Rocha



### EXISTING BUILDING



### PROGRAM

The project proposal is the market rehabilitation as a multifunctional space for hosting community gathering, events such as cooking workshops, artisanal fairs, and educational programs. The space will feature:

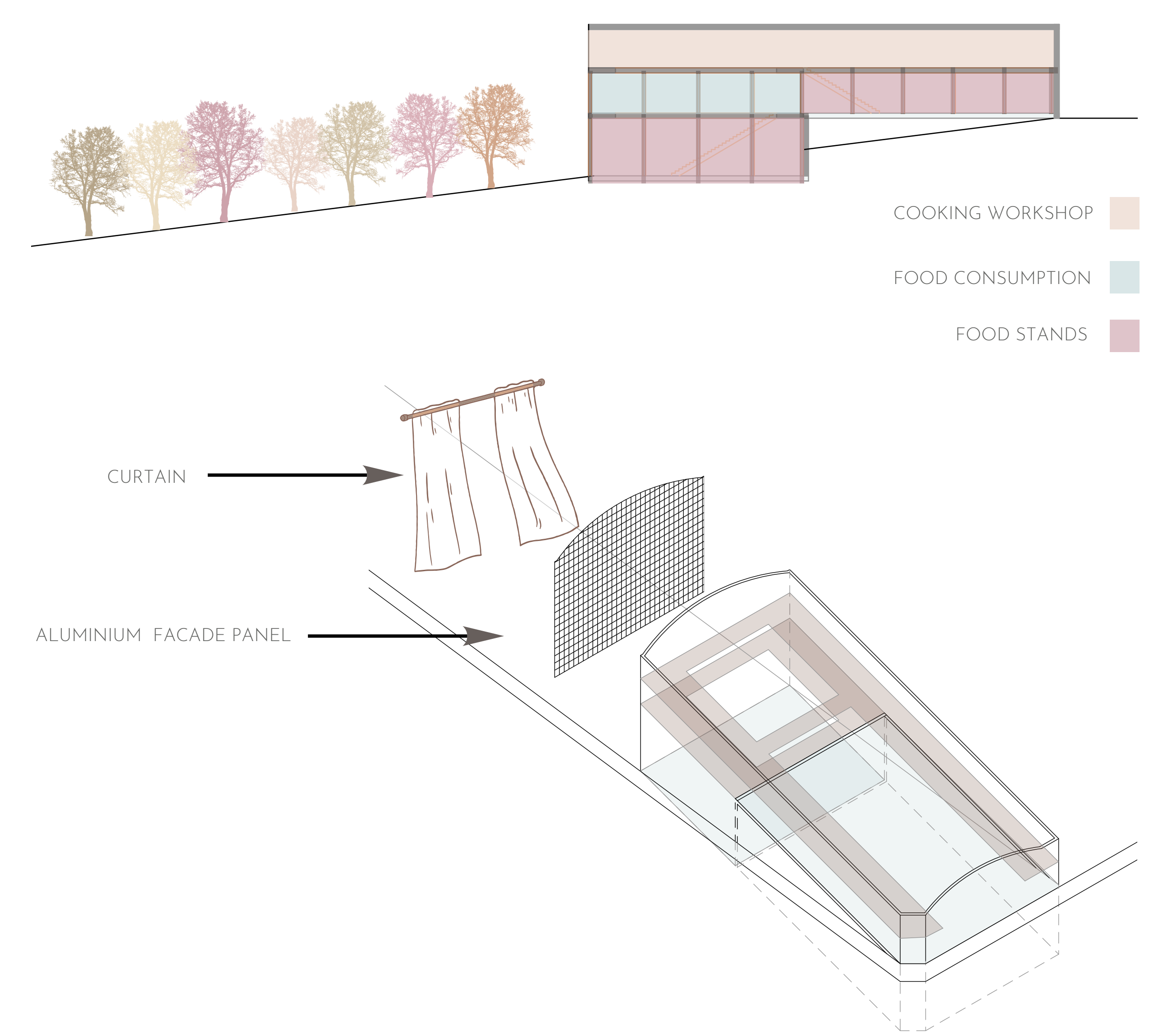
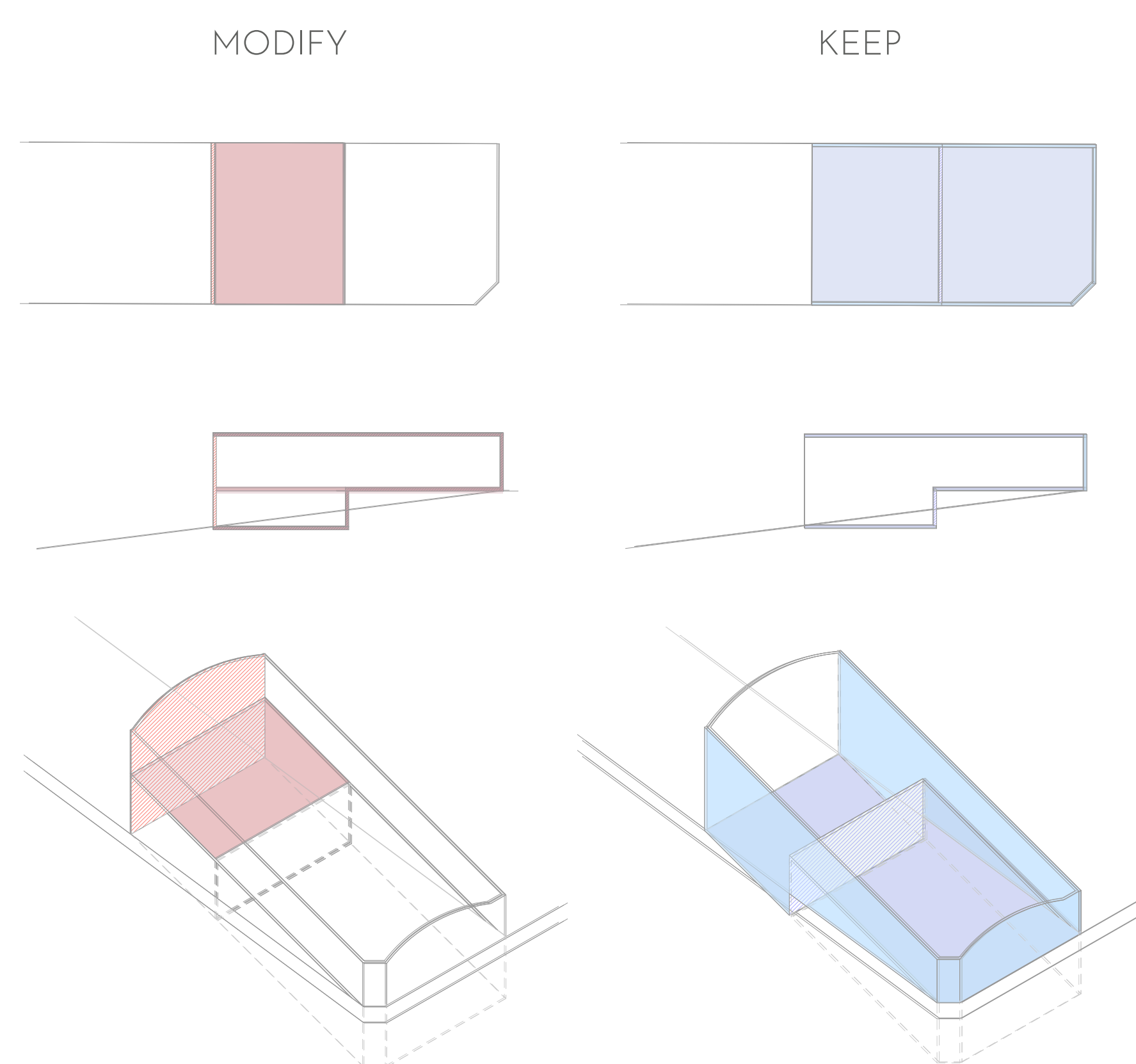
- GASTRONOMIC SPACE
- COOKING WORKSHOP
- CONCERT/THEATER PRESENTATION
- OUTDOOR SPACE

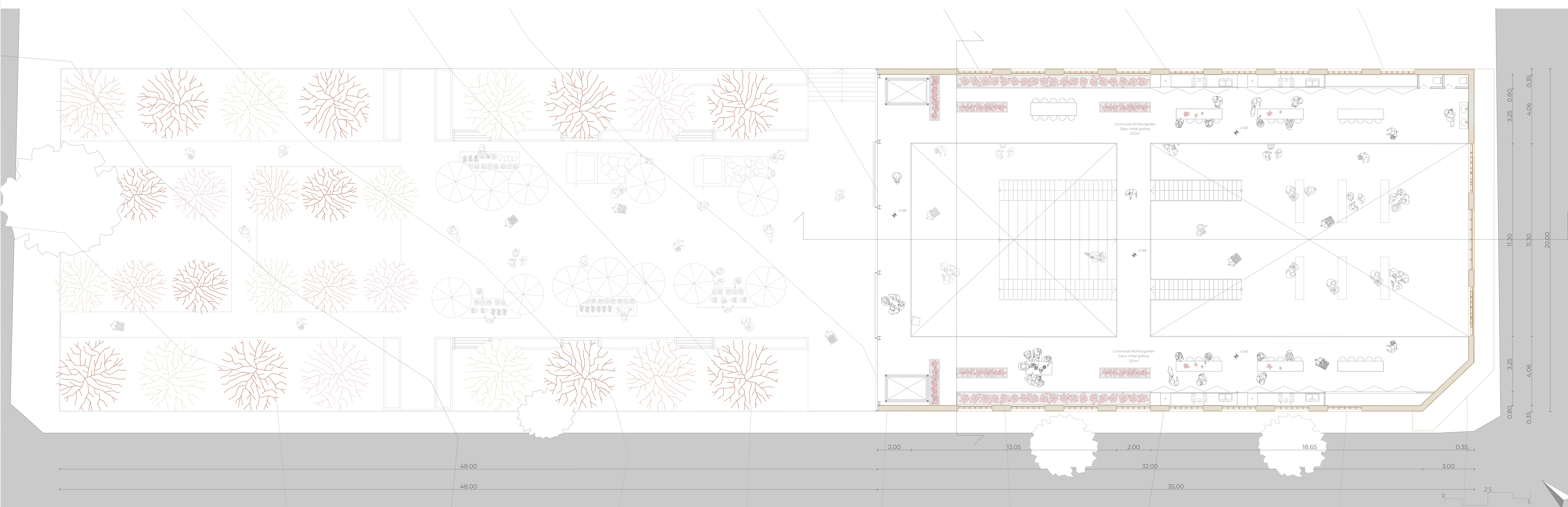
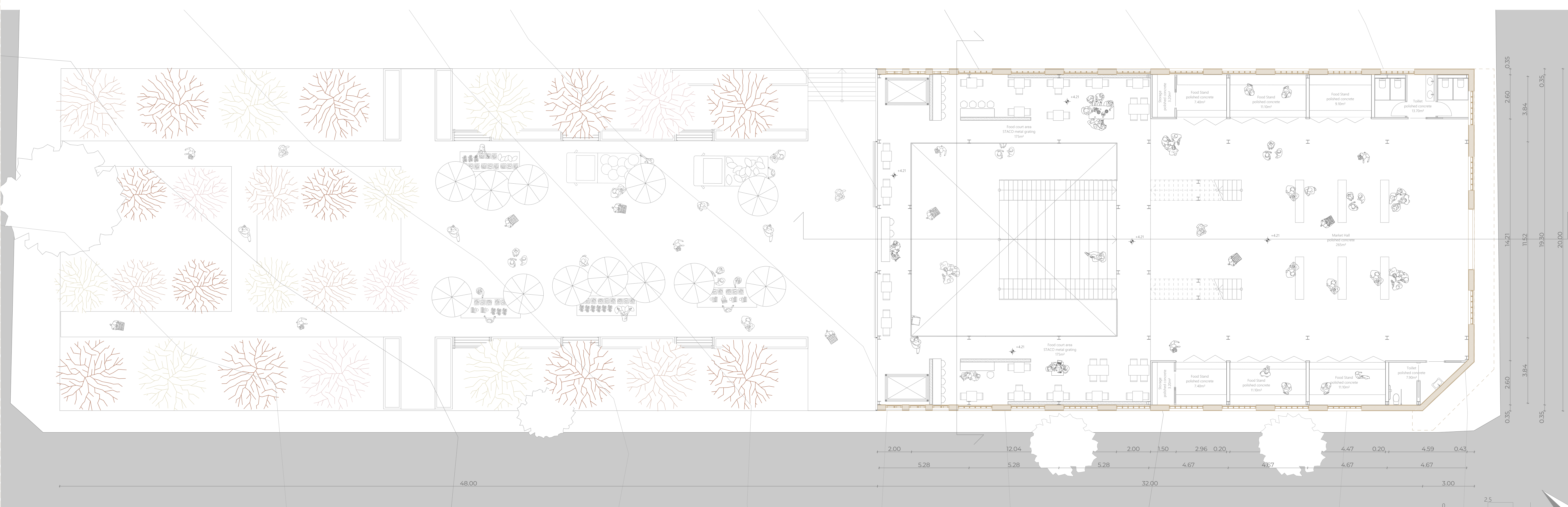
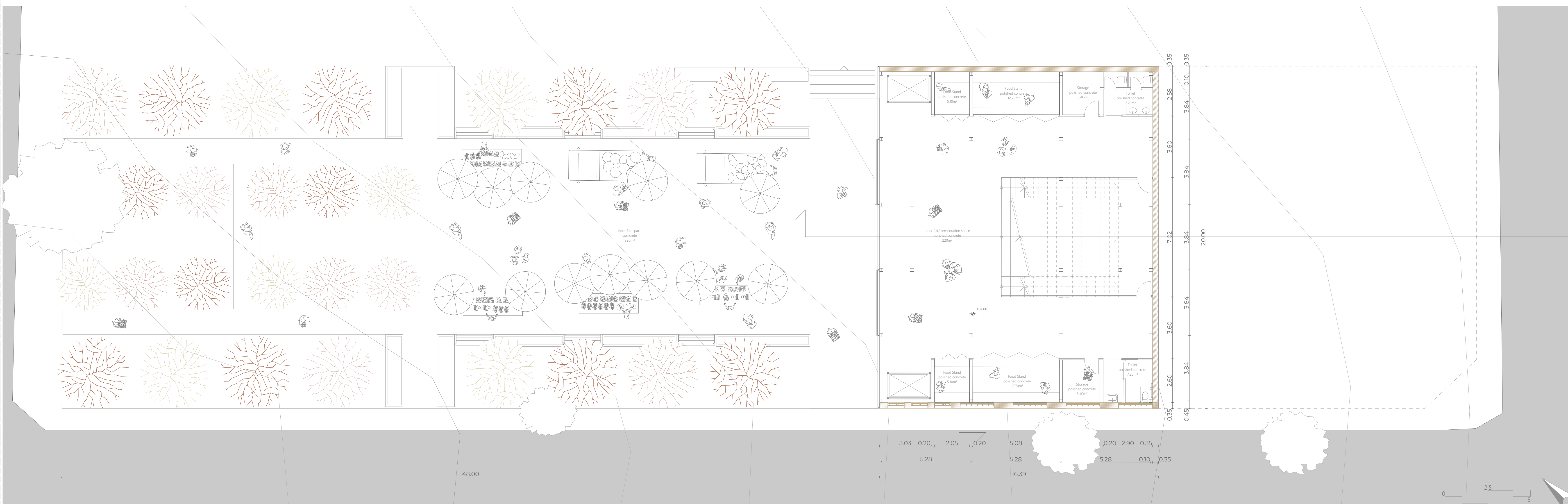
### PROJECT GOALS

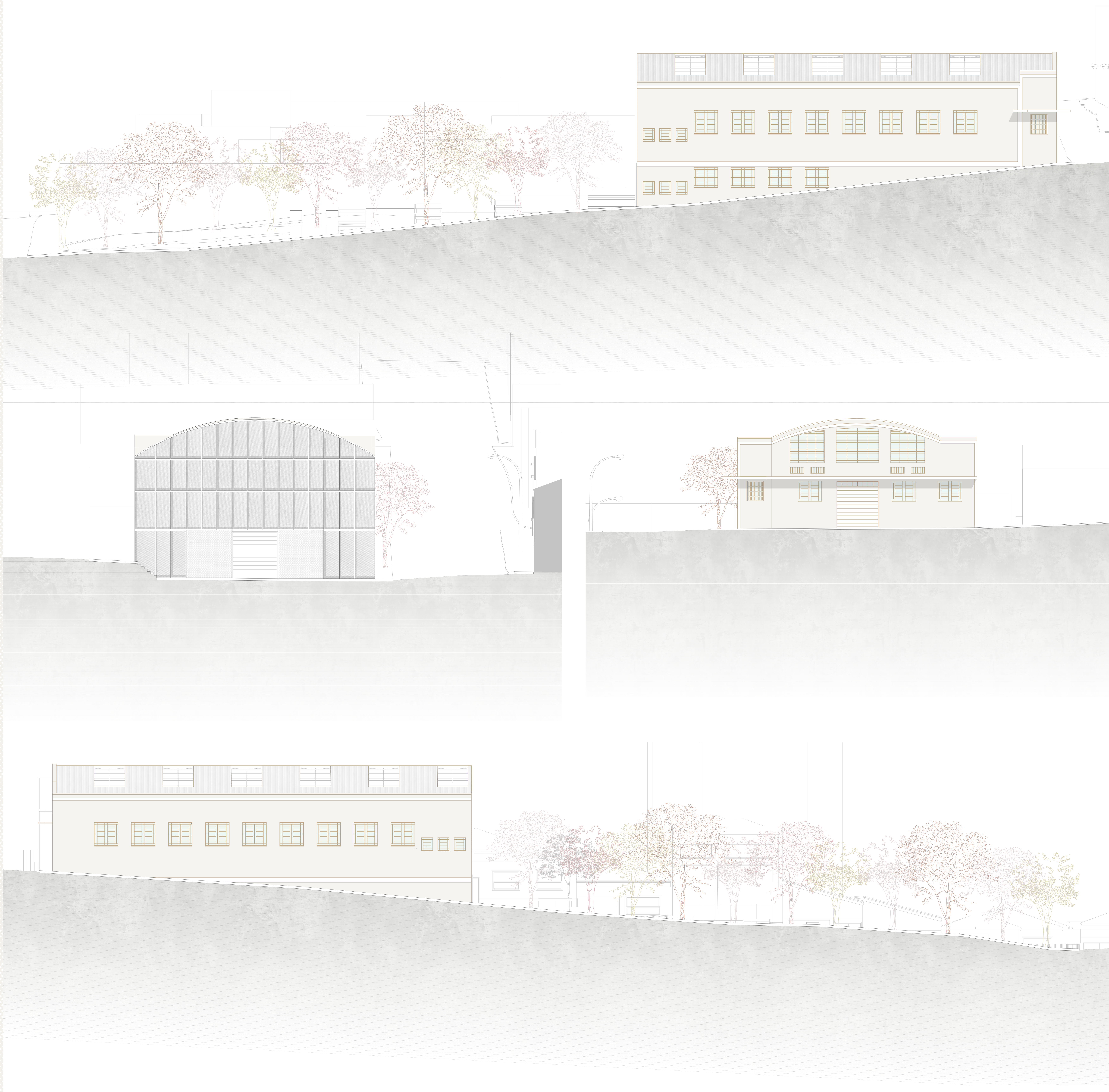
- To provide a multifunctional public space where many different activities can take place
- The recovery of the initial purpose of the hall when it was first built (meet and socialize).
- To keep the building working in a wide spectrum of hours during the week and weekend
- To attract more people to the city, increase its popularity between neighboring cities
- To provide spaces which will promote more cultural activities which could interest people from different generations

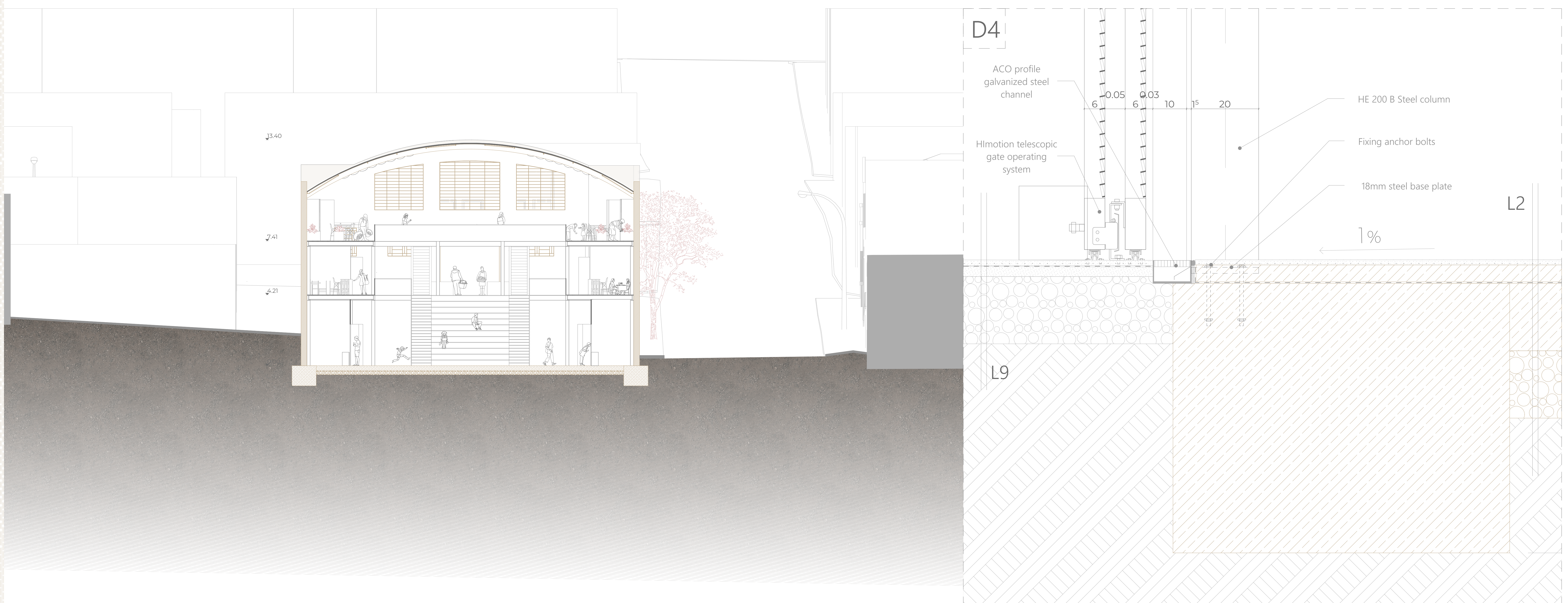
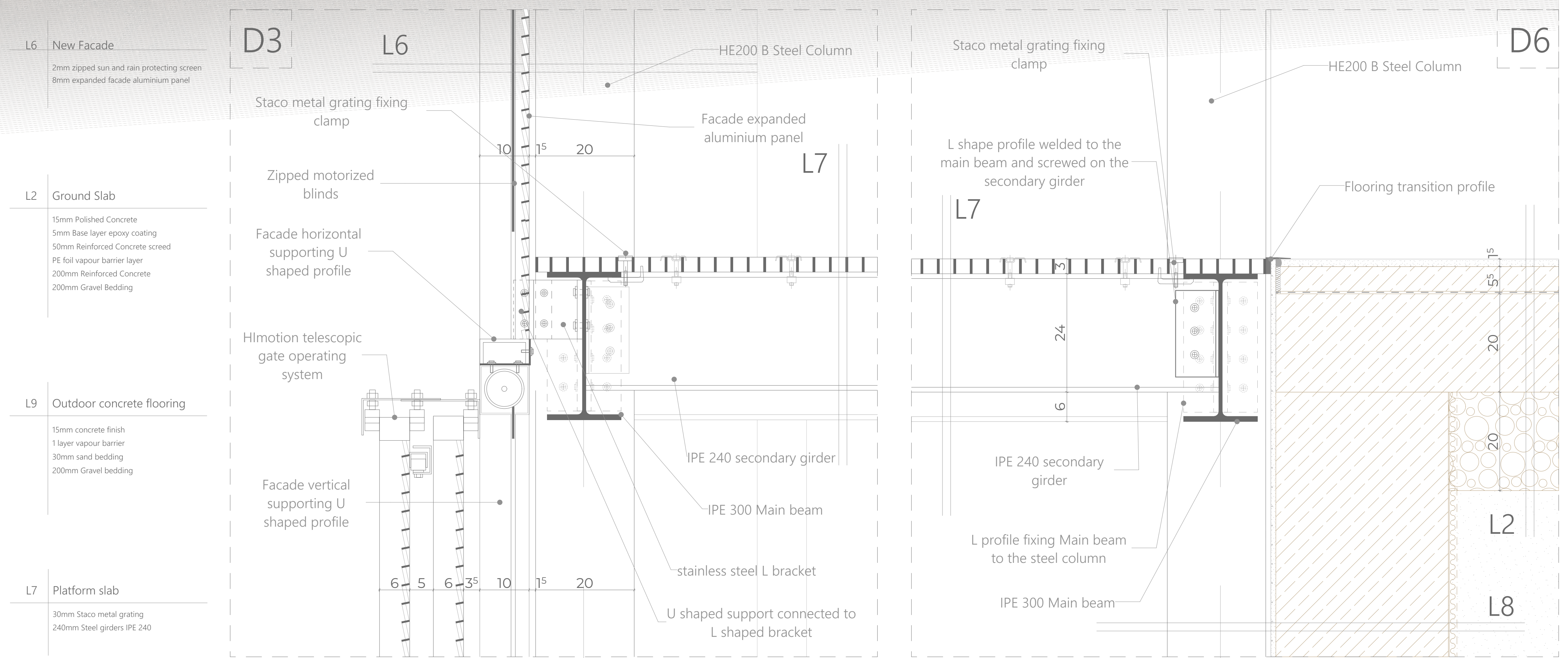
### INTERVENTION & CONCEPT

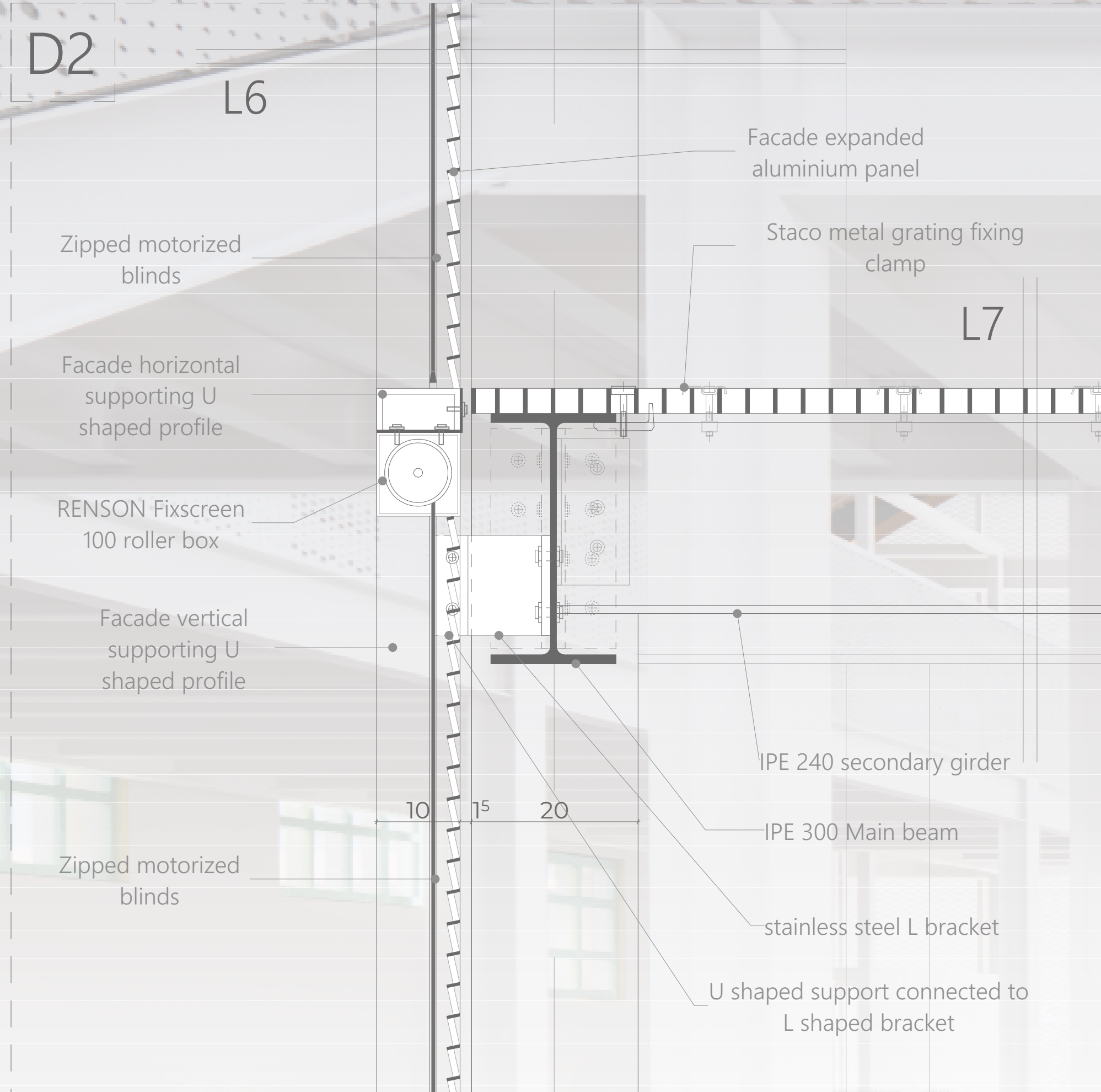
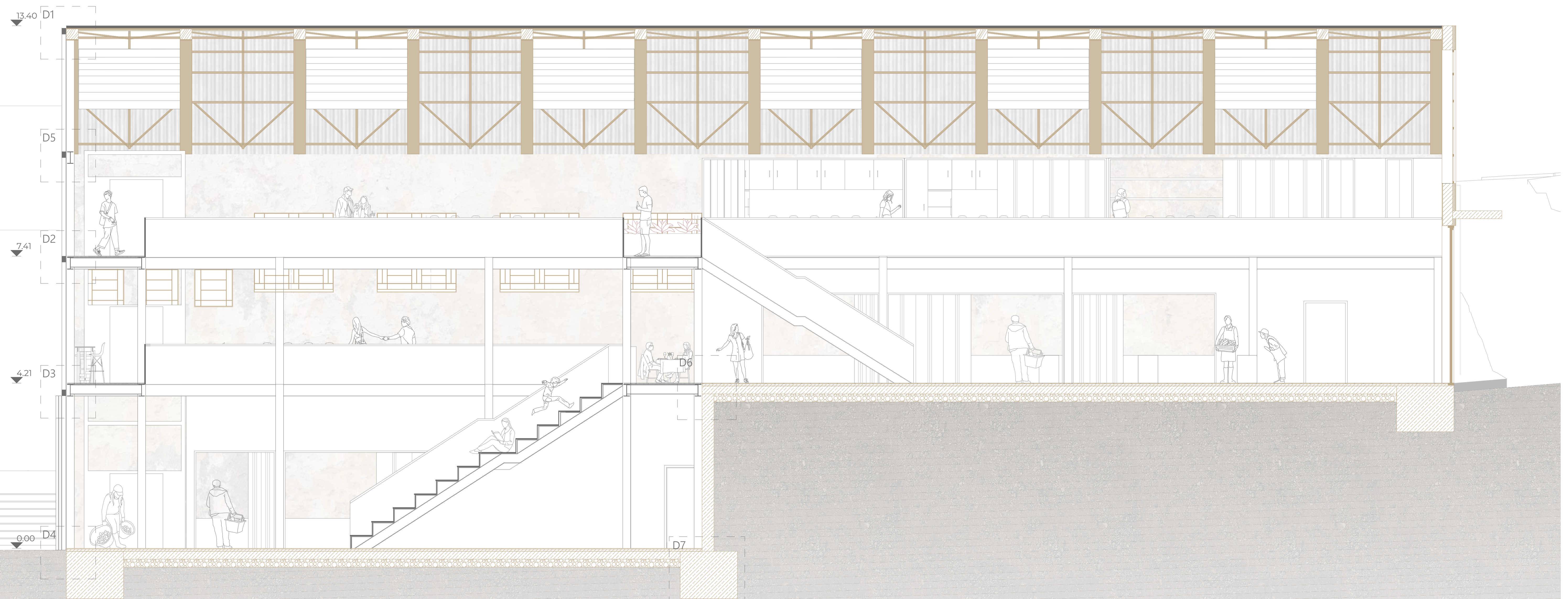
The intervention approach goal was to keep the external characteristics of the existing market hall and redesign only one of the facades of the building while performing minimal intervention inside the hall and allowing the interior space to be fully perceived. To help fulfill the goal of achieving a light looking intervention Steel was the material chosen for the structure.











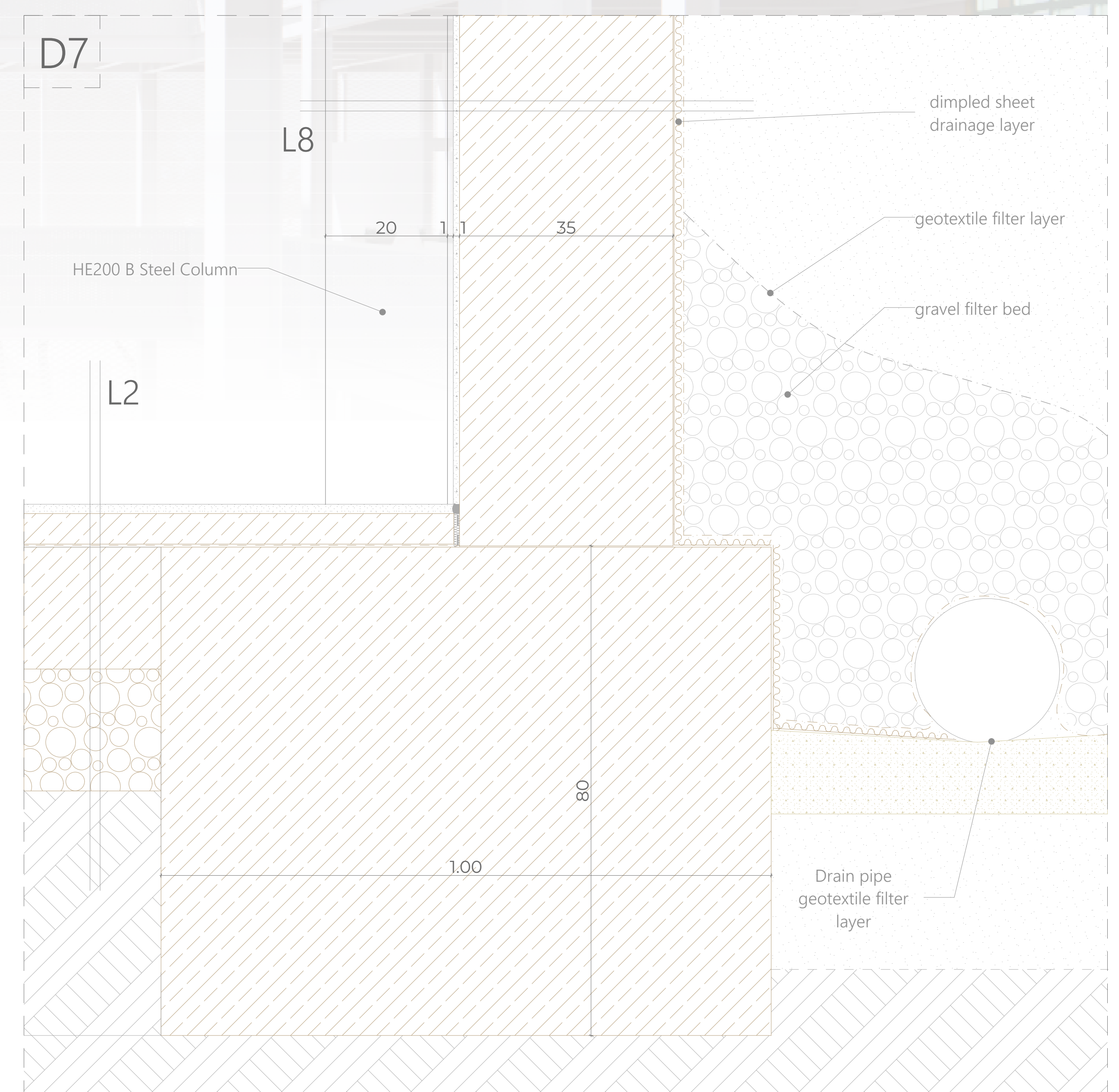
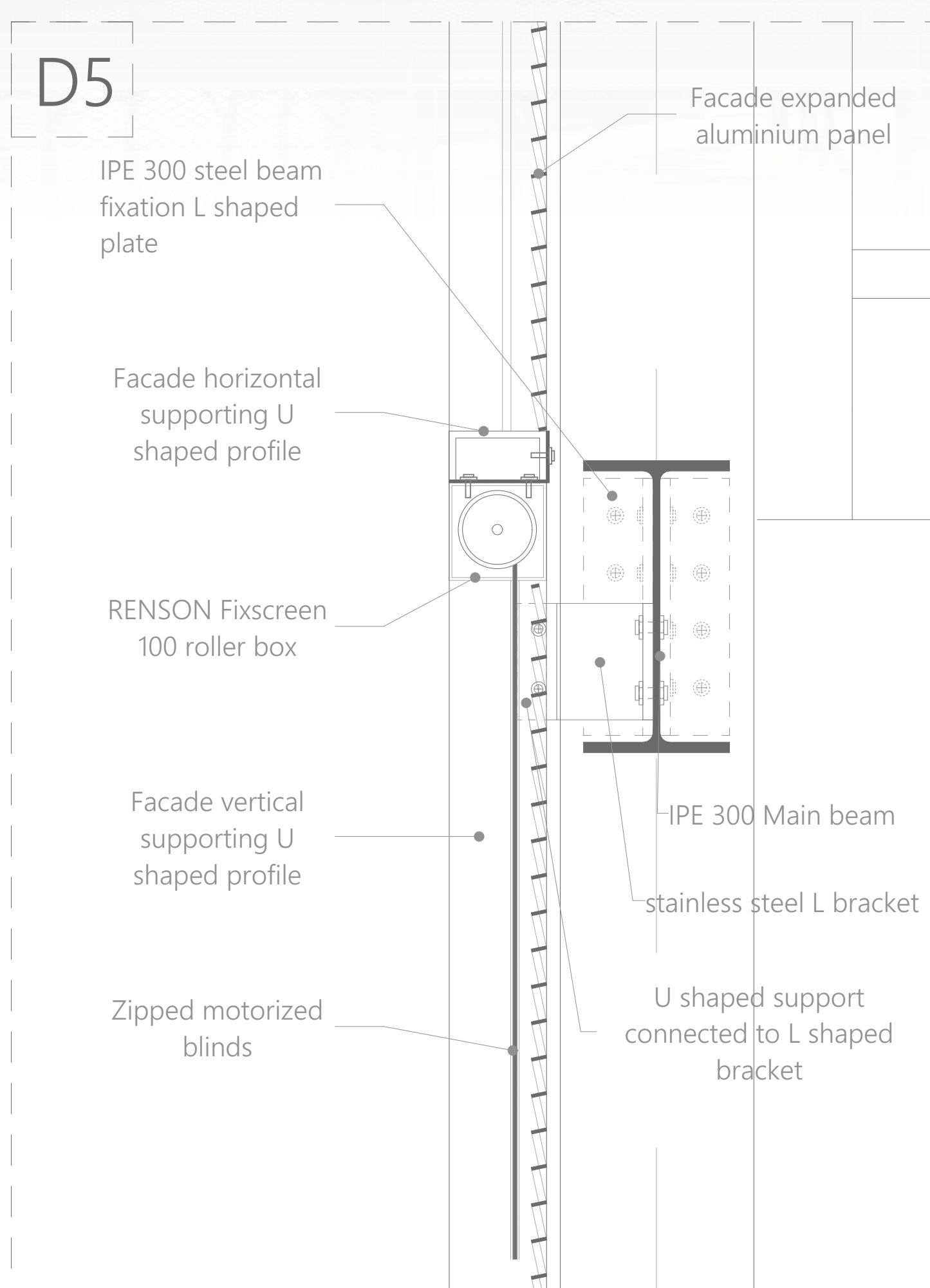
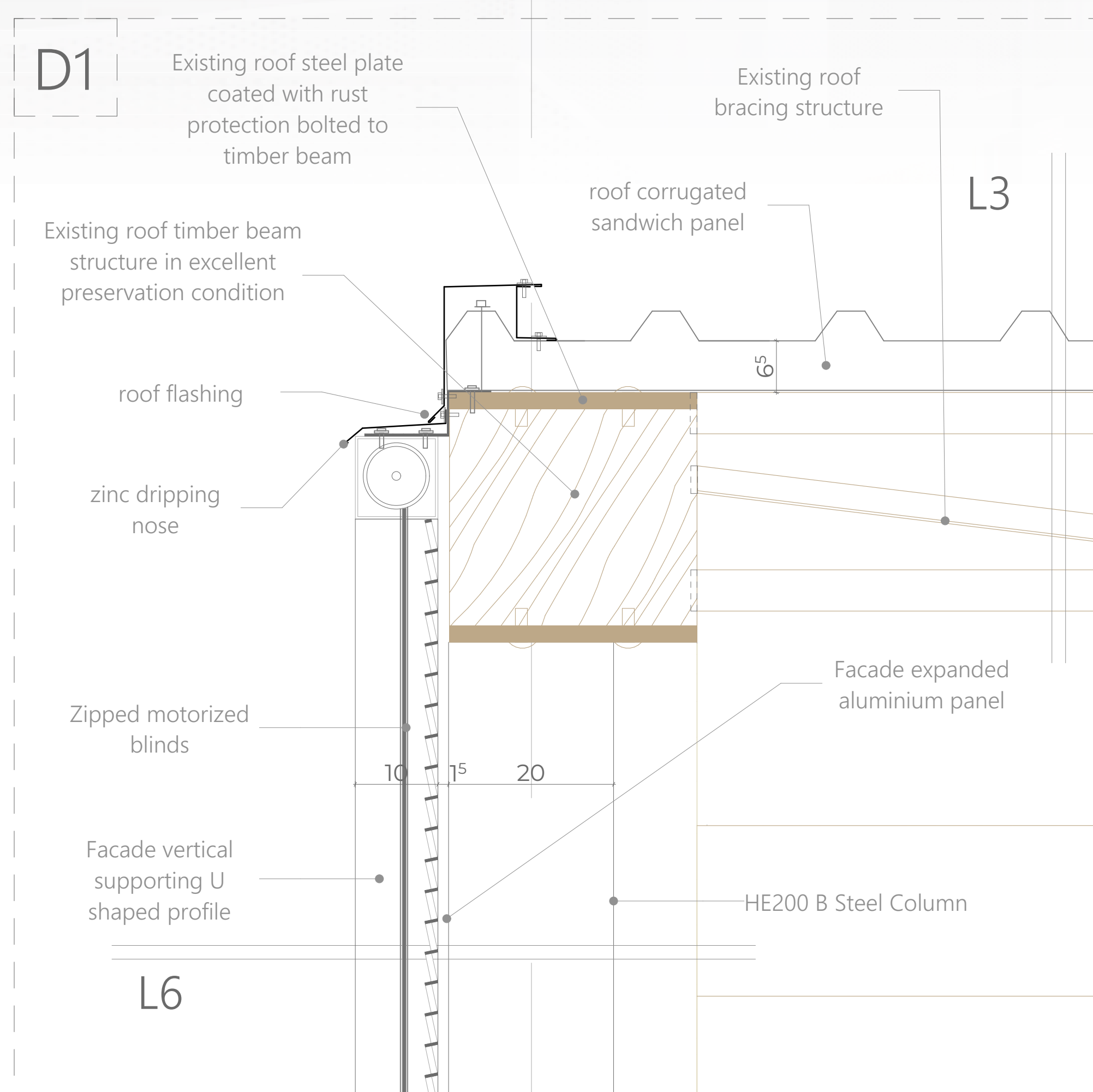
**L2 Ground Slab**  
 15mm Polished Concrete  
 5mm Base layer epoxy coating  
 50mm Reinforced Concrete screed  
 PE foil vapour barrier layer  
 200mm Reinforced Concrete  
 200mm Gravel Bedding

**L6 New Facade**  
 2mm zipped sun and rain protecting screen  
 8mm expanded facade aluminium panel

**L7 Platform slab**  
 30mm Staco metal grating  
 240mm Steel girders IPE 240

**L8 External wall underground**  
 5mm Paint finish  
 350mm Reinforced concrete wall  
 1 layer bituminous waterproofing  
 1 layer Dimpled sheet drainage  
 1 layer Geotextile filter layer  
 Soil Backfill

**L3 Roof**  
 75mm Trapezoid sheet with PU infill  
 300mm existing composite roof beam



# LUMINA

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Zipped motorized blinds

Facade horizontal supporting U shaped profile

stainless steel L bracket

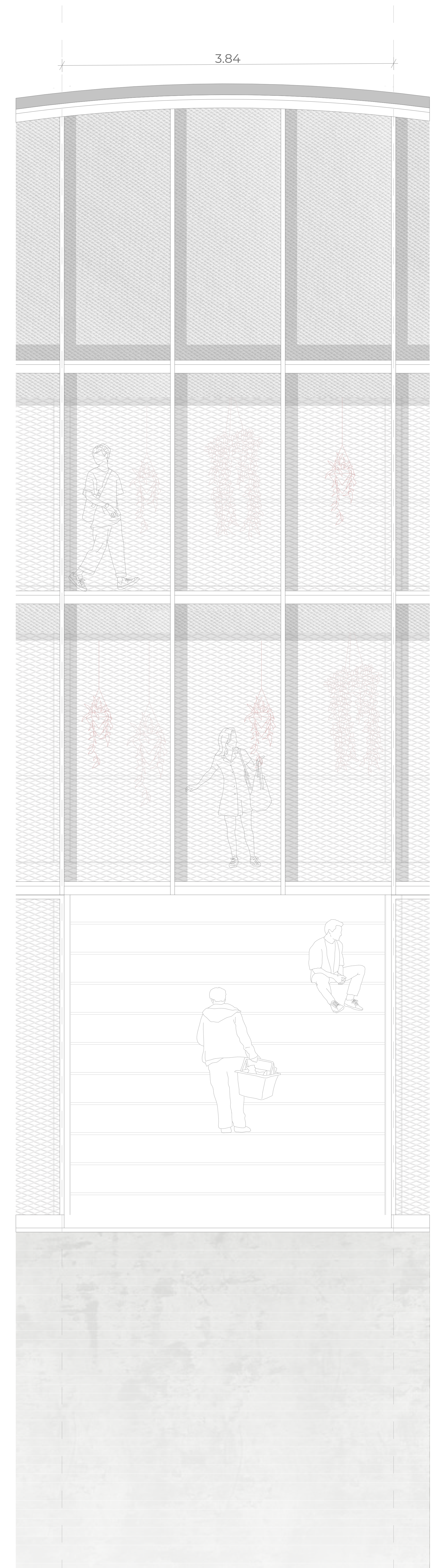
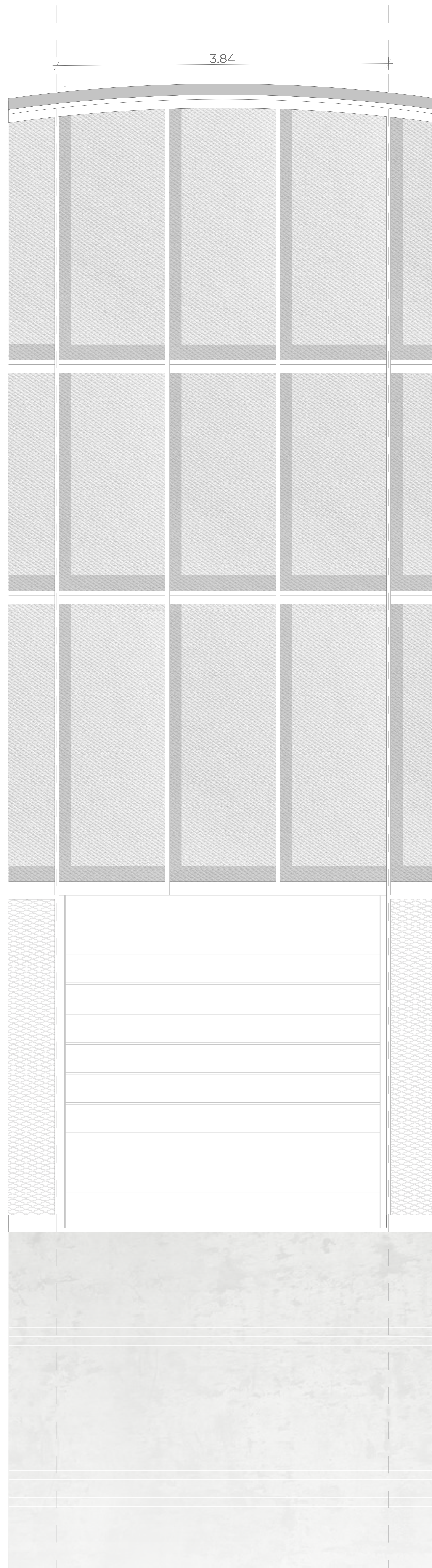
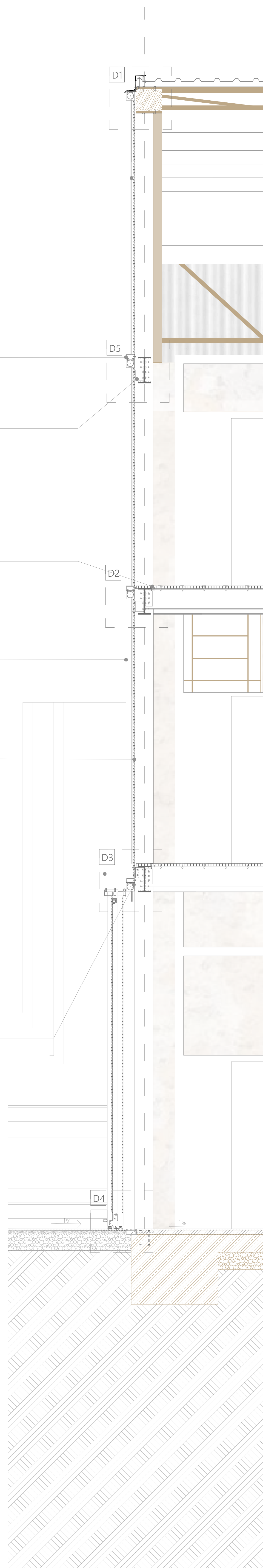
Staco metal grating fixing clamp

Facade vertical supporting U shaped profile

Facade expanded aluminium panel

Hl motion telescopic gate operating system

U shaped support connected to L shaped bracket



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