

Rebirth of Linnahall

Reimagining Linnahall's future by transforming Ice rink part into marketplace

An exploration of the reuse of large abandoned buildings

Te-cheng Tseng
P5 - 28 June 2024
Methods of Analysis And Imagination
AR3MET105 - A Matter of Scale
TU Delft | Faculty of Architecture & the Built Environment

Introduction

Research

Design

Building Technolgy

Conclusion

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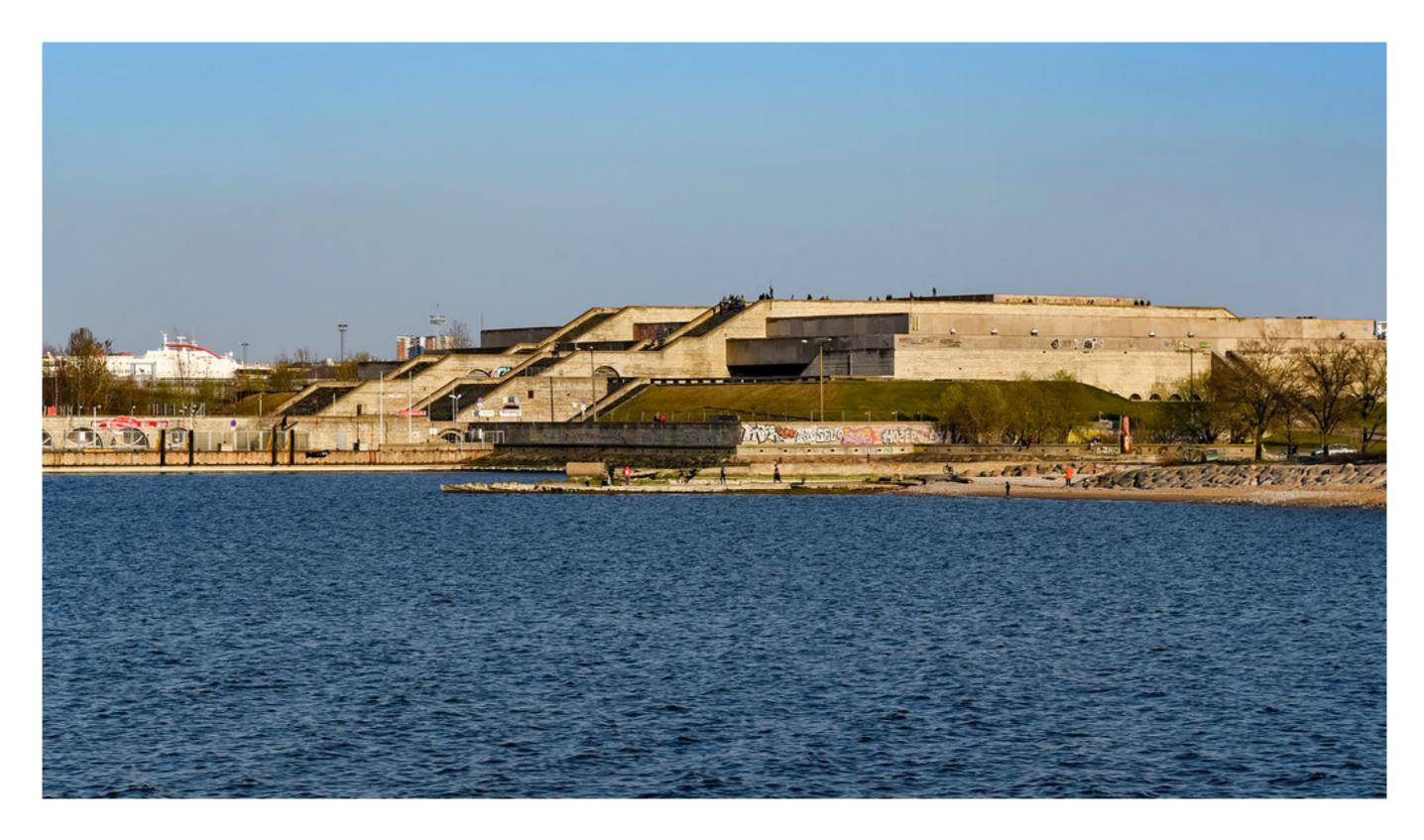
Conclusion



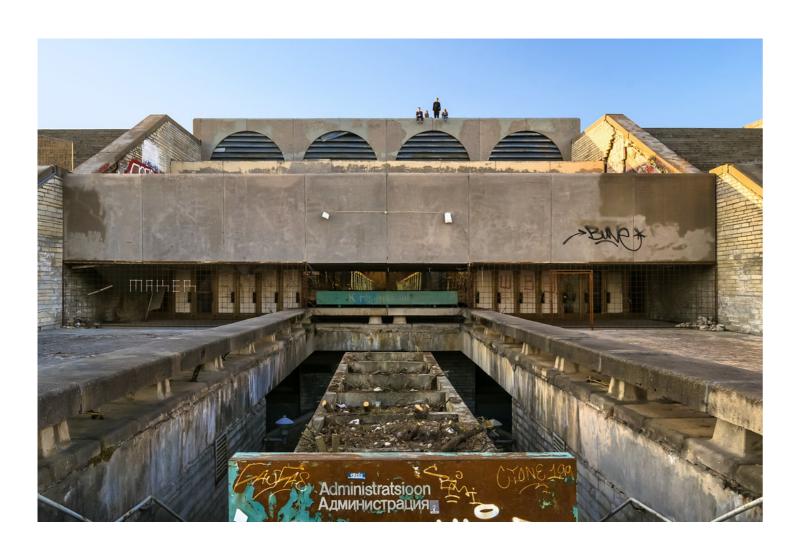
Architects: Raine Karp and Riina Altmäe

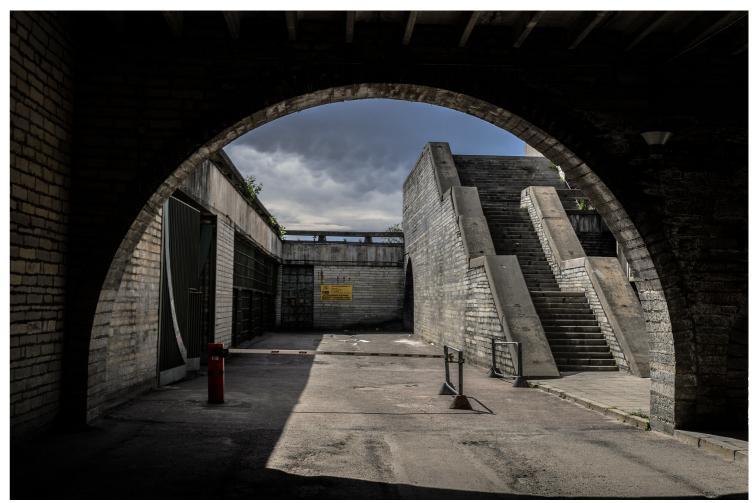


Linnahall under construction (1978)



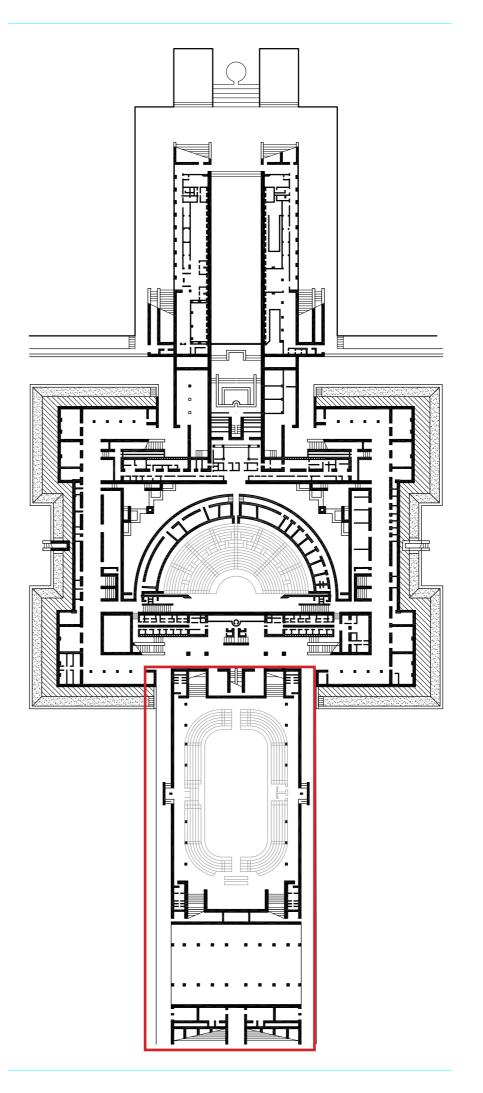
Linnahall -Viewed from the sea





Linnahall- An abandoned building





Sea side part

Concert hall

Ice rink



Publicness

Cultural significance





What new function can be incorporated in the repurposing of Linnahall's ice rink to maintain its publicness and cultural significance?

Publicness \longleftarrow Market \longrightarrow Cultural symbol

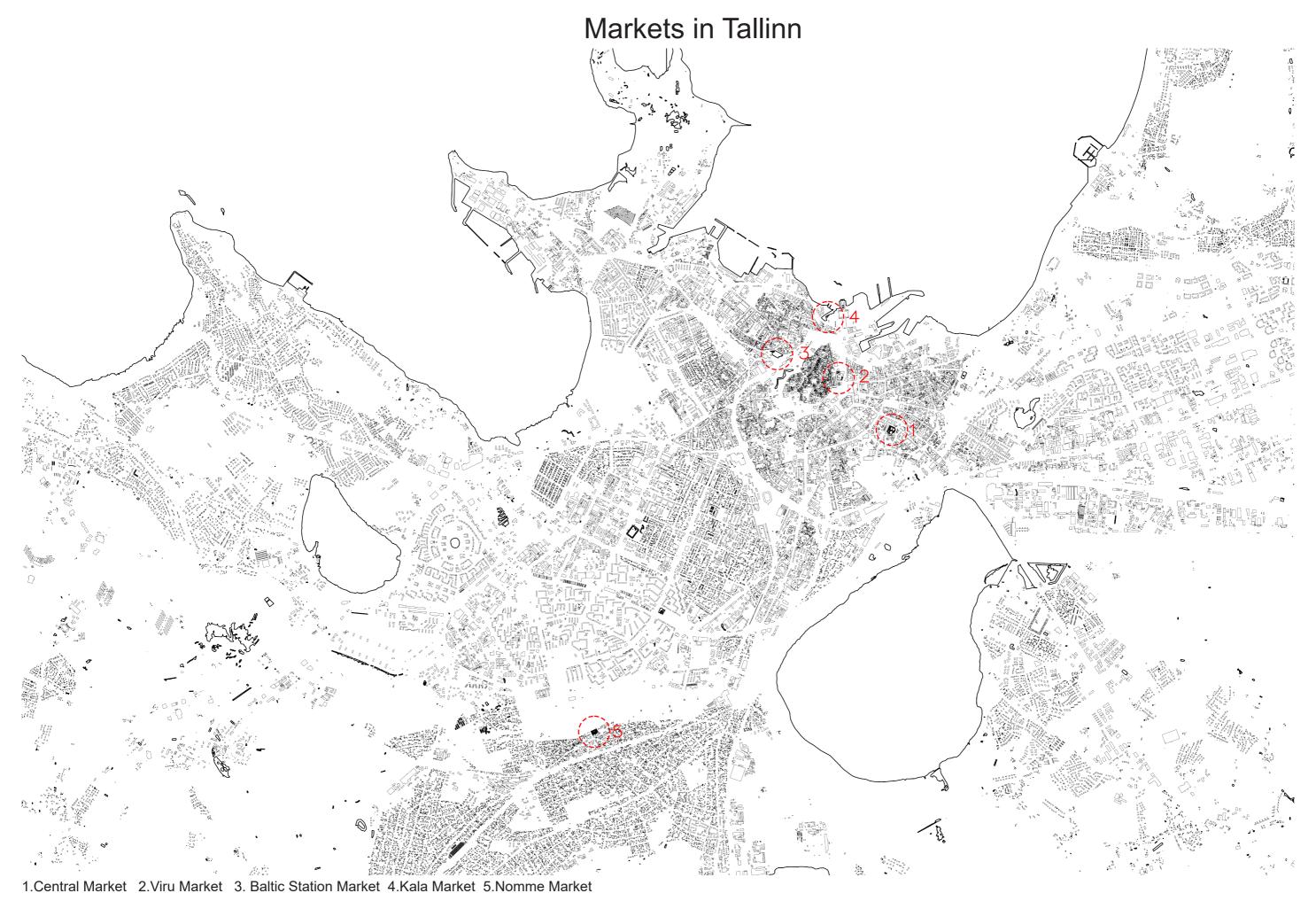
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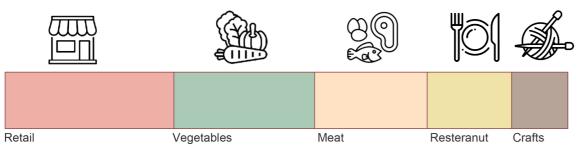
Baltic station market

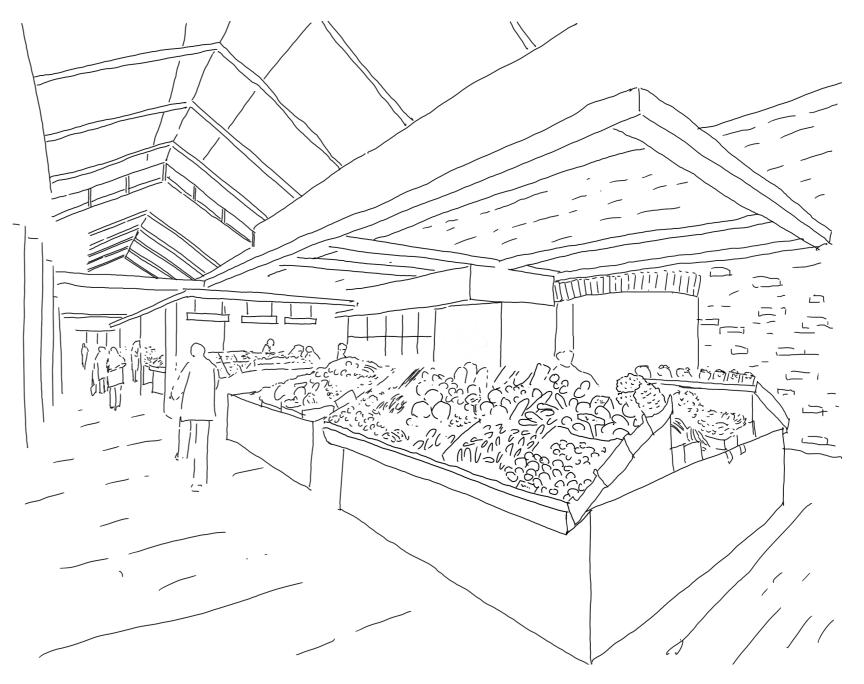














The Baltic Station Market is located in north Tallinn between the city's main railway station and the popular residential district of Kalamaja.

The aim of the reconstruction design was to create a contemporary and diverse market, while also preserving the historic character of the market with all of its hustle and bustle and chaotic nature. Adding to the pre-existing context to attract the widest target audience possible - from rail passengers to local residents, young people to tourists, and everyone who happens to be passing through the area.

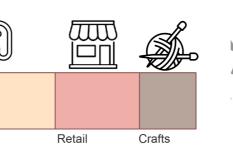
Central market (Keskturg)

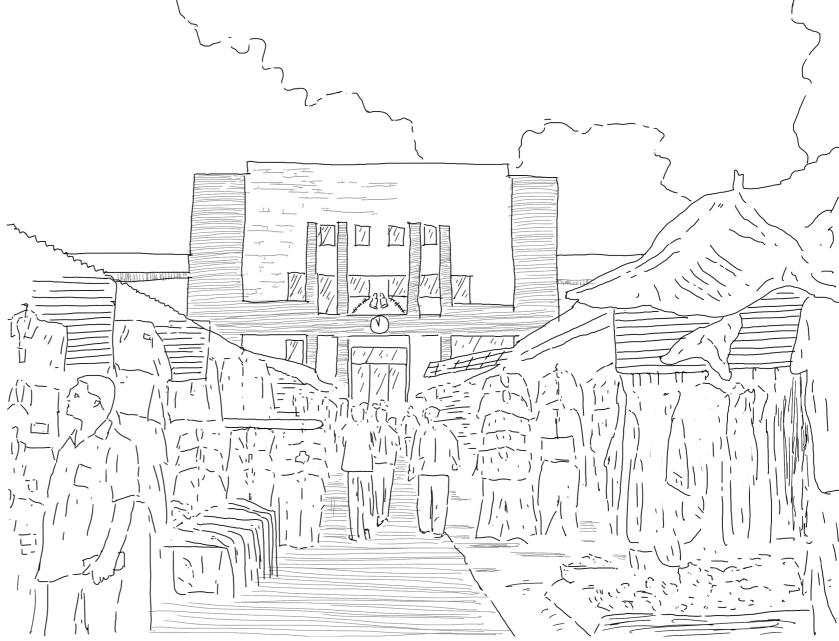


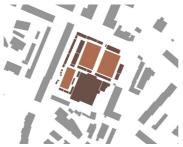


Vegetables









Tallinn's largest market, opened in 1947. The center is a two-story building built in 1986. A large and already recognizable meat hall, where the largest and freshest selection of meat in the city is hidden. Endless fresh vegetable and berry stalls. In addition, there are many clothing vendors.

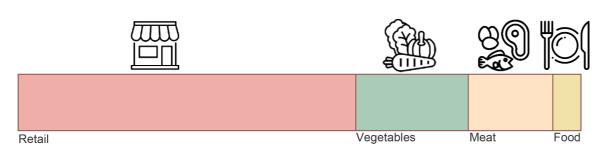
The buildings come in a variety of scales, from large concrete buildings to small tin houses, and the different indoor and outdoor environments provide a rich walking experience.

Nõmme market













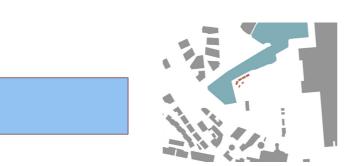
Nõmme got its main shopping centre – the market – more than 100 years ago, in 1908. This was preceded by a long process because the rights to run a market were granted by the governor of Estonia personally. Nõmme Market sells a wide selection seasonal fresh vegetables and fruits and berries all year round. A large part of the foodstuffs sold at Nõmme Market originates from the local producers of Estonia: canned food, different dairy products and sausages, fresh fish and meat. In spring and summer, we offer a wide range of flowers and plants. There are also several cafes which sell pastries cooked on the spot.

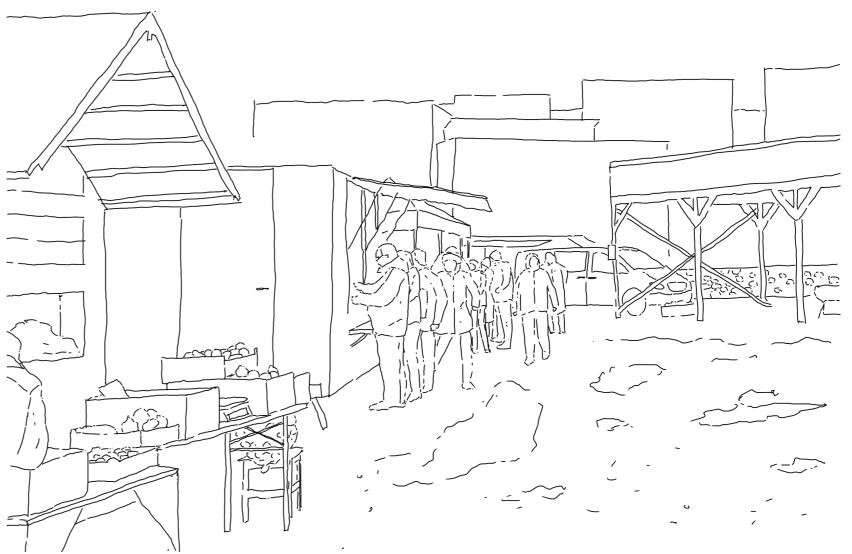
Fish market (Kalaturg)











As a seaside city, Tallinn is rich in seafood resources. Kalaturg is located behind Linna Hall and is open every Saturday. Here you can buy fresh fish and fish products as well as smoked fish.

There are only a few stalls in kalaturg, which are not large in area. They are mainly outdoor stalls.

Fish

Viru Market

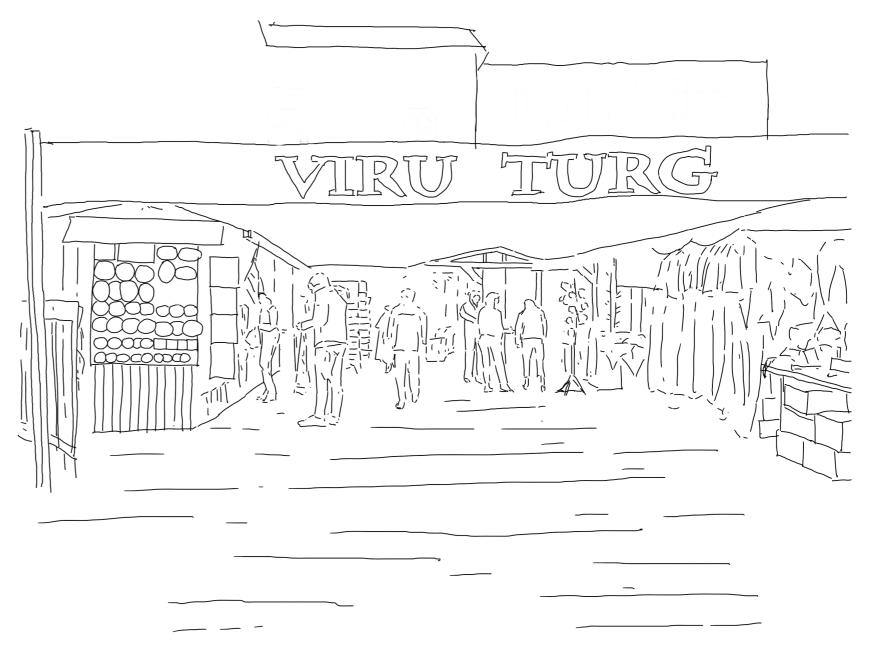








Crafts





One of the oldest and most beloved markets in Tallinn, Estonia! Located just a few blocks from the city center, Viru Turg has been a bustling hub for local vendors and shoppers since the 1800s.

At Viru Turg, you'll find fresh produce to handmade crafts, all offered by friendly and knowledgeable vendors. Whether you're searching for the perfect gift or looking to stock up on delicious Estonian treats, Viru Turg has something for everyone.

Case study-Markets in Global

Rotterdam Markthal MVRDV 12,000m2

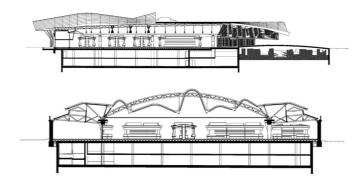


Budapest Lehel Market Hall LÁSZLÓ RAJK



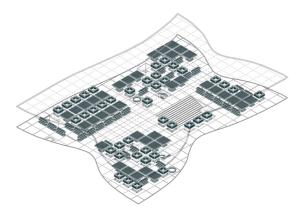
Santa Caterina Market EMBT 17,500m2





Sydney Fish Market 3XN 80,000 m2





Introduction

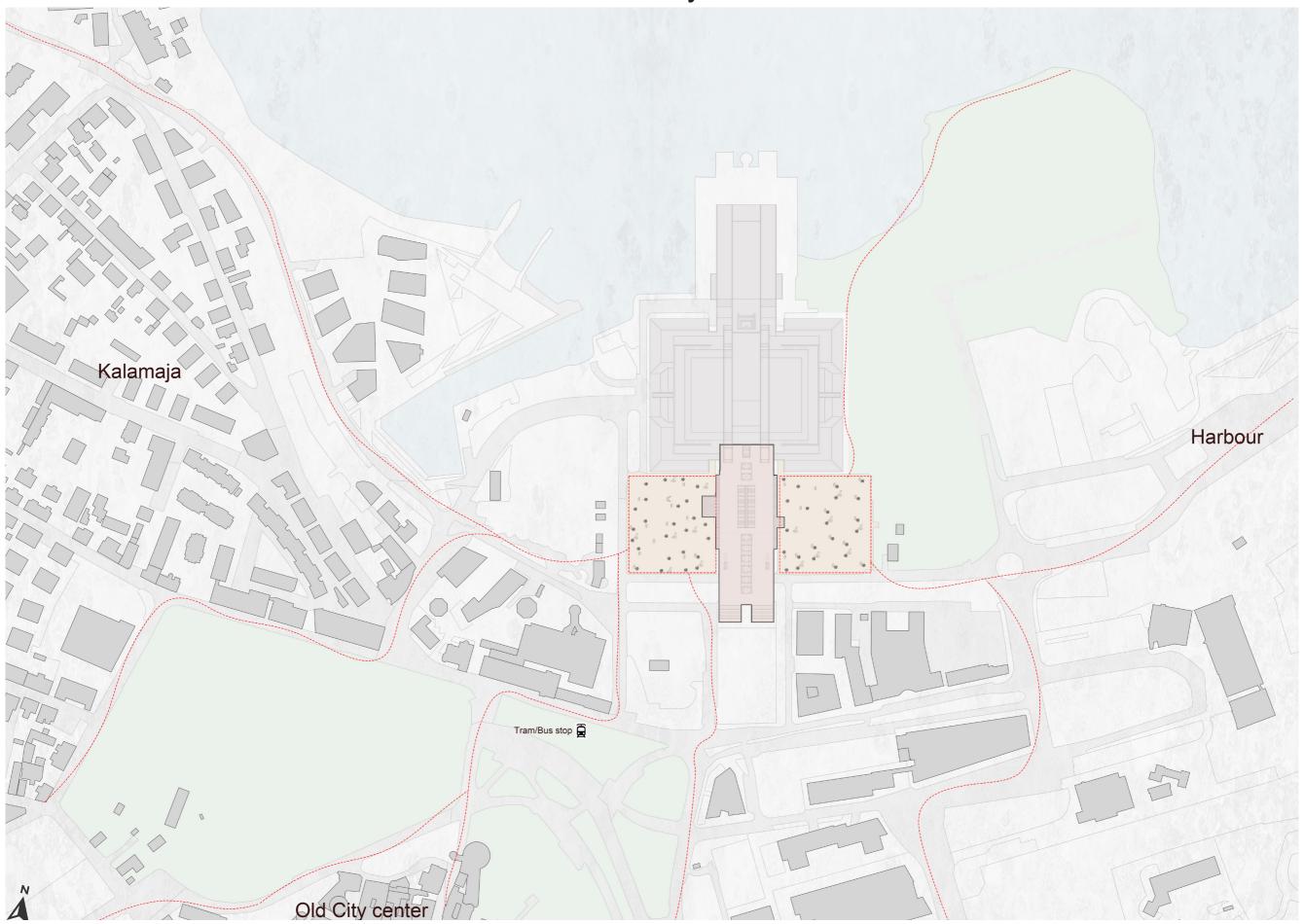
Research

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Building Technolgy

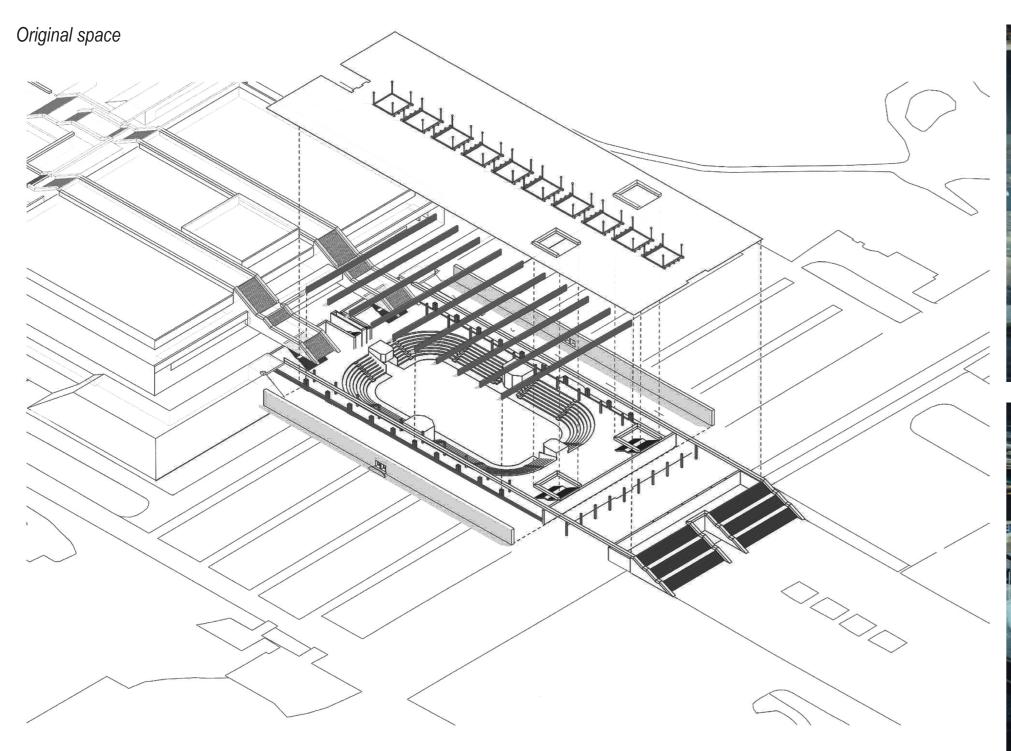
Conclusion

Site Analysis

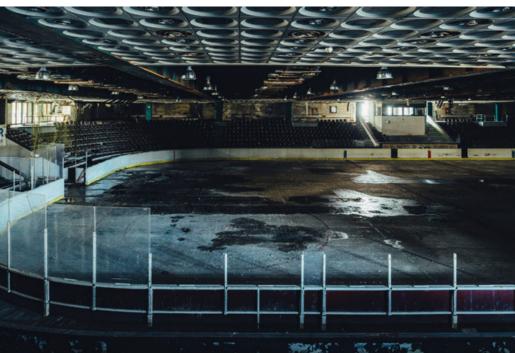


Design

Building Analysis

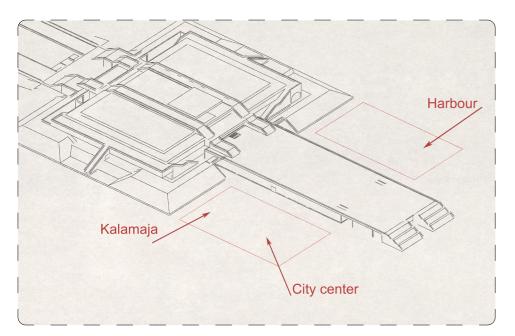




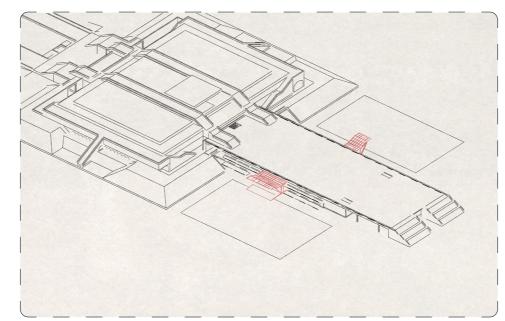


Design

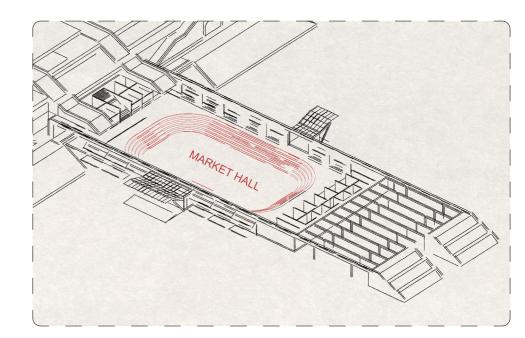
Design development



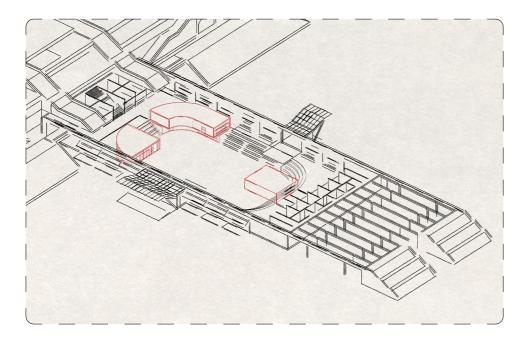
1. Current condition of the site



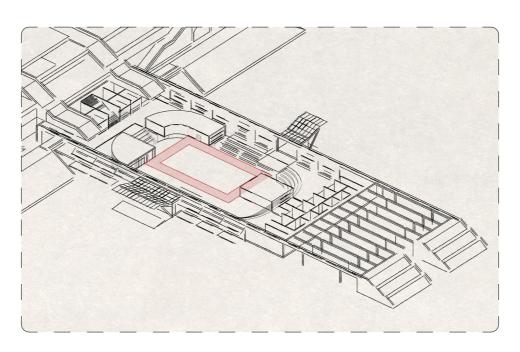
2.Introducing new canopy entrance



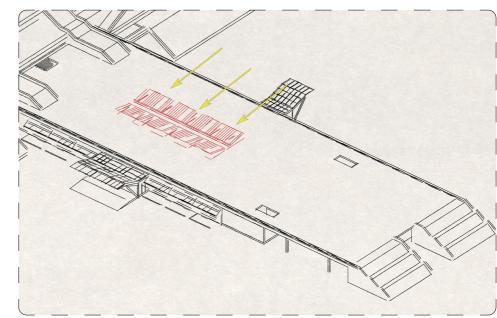
3.Retain the original seat



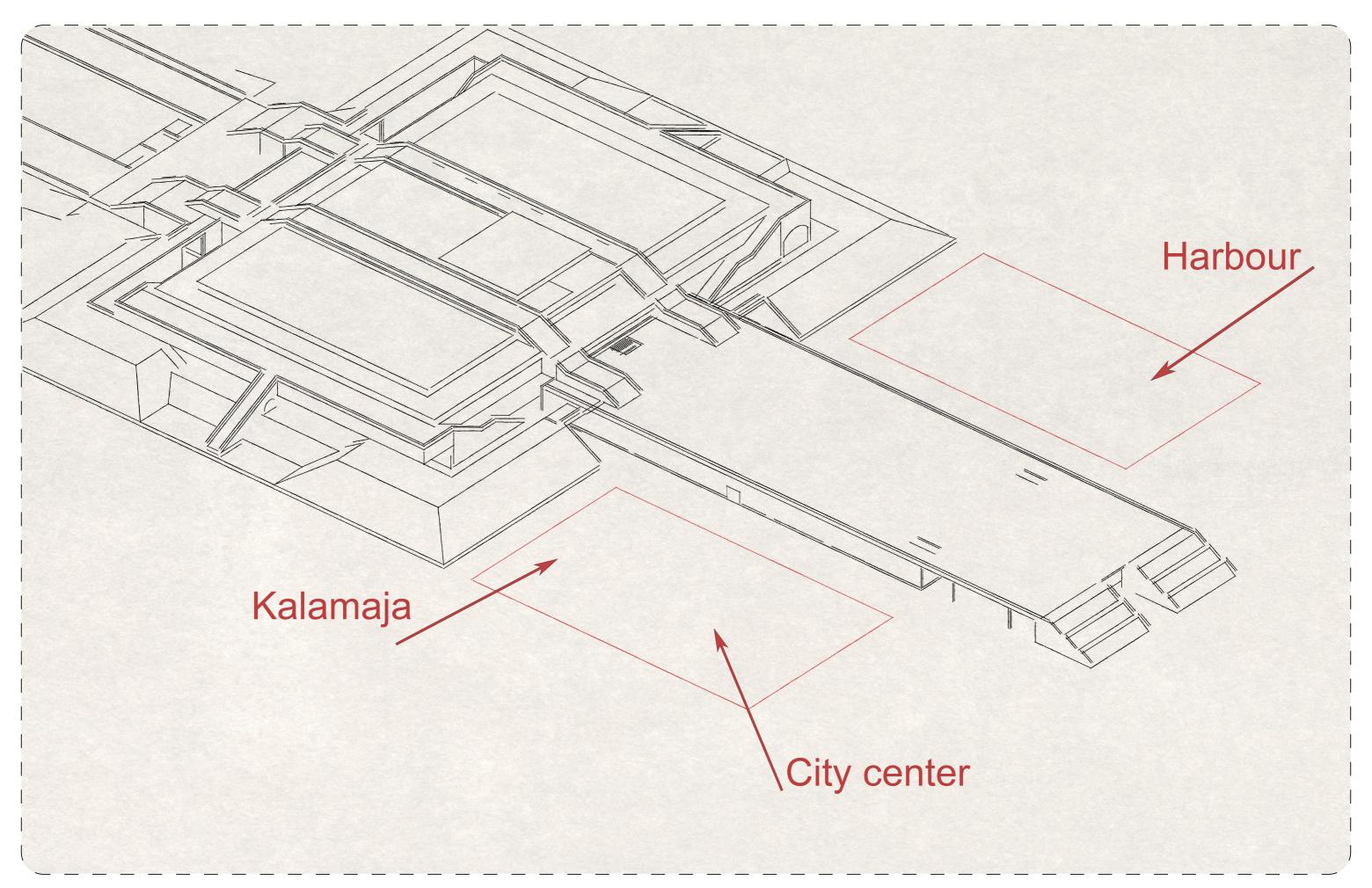
4.Introducing shacks

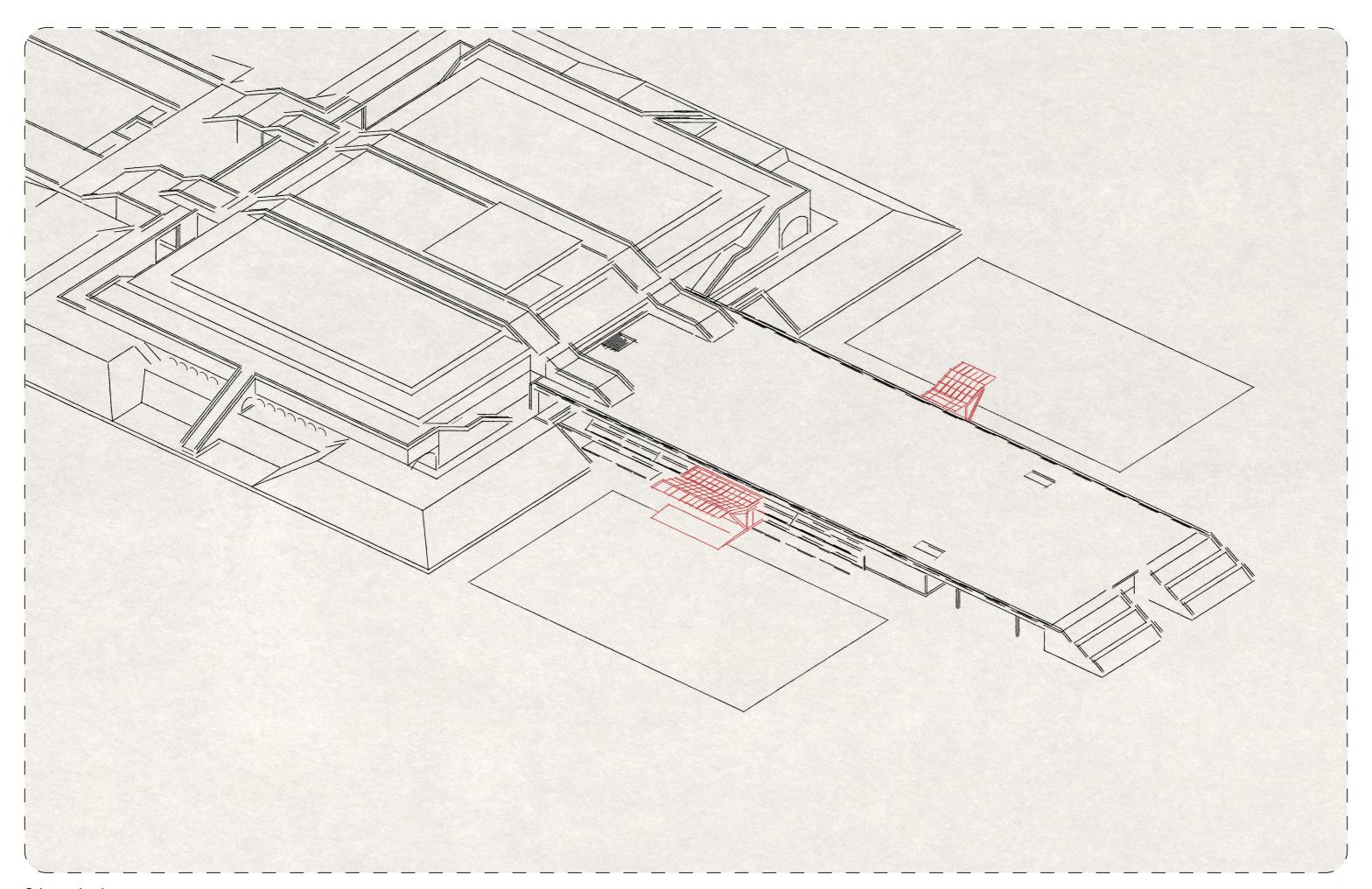


5. Circular walkway

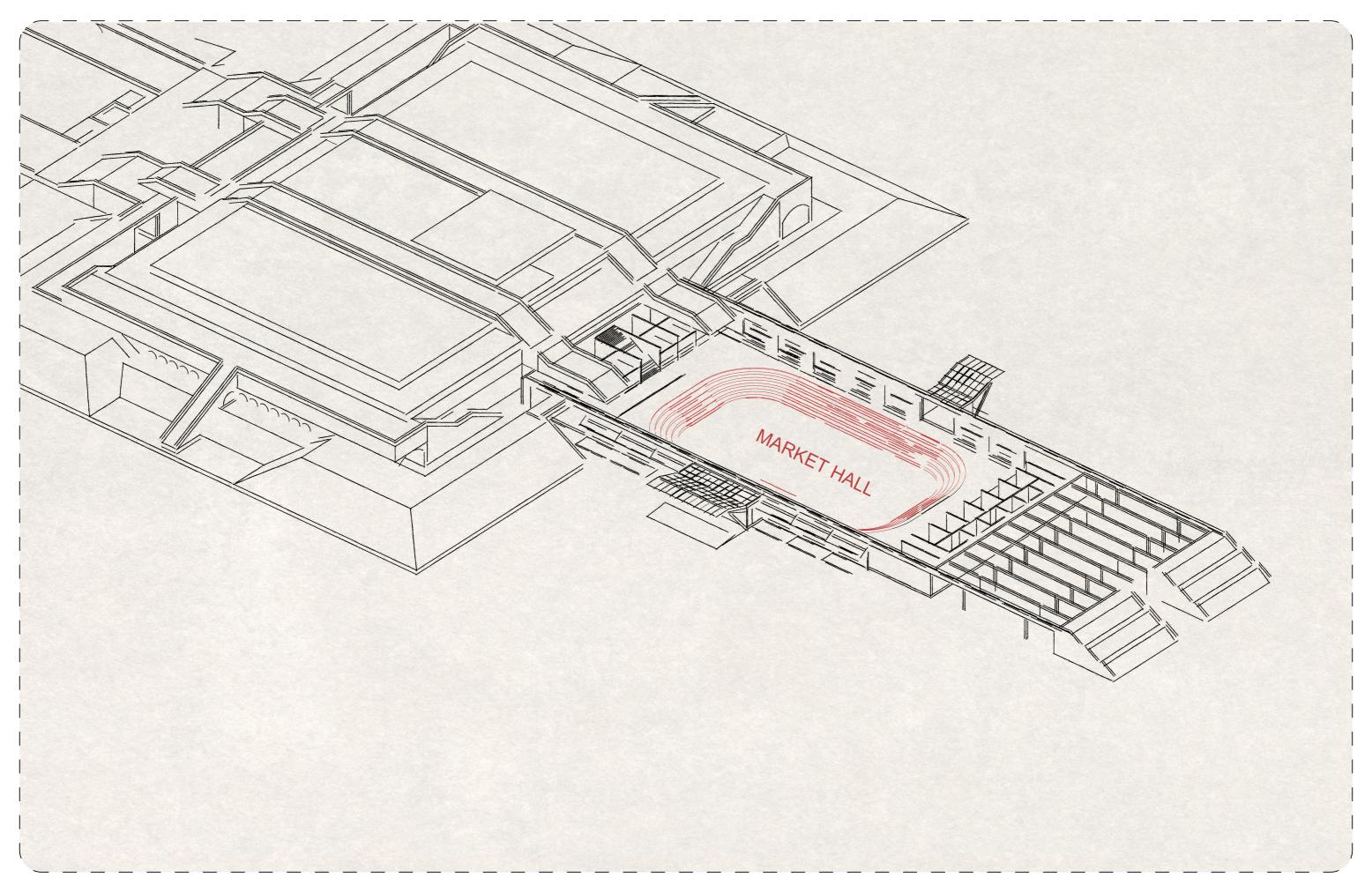


6.New roof system

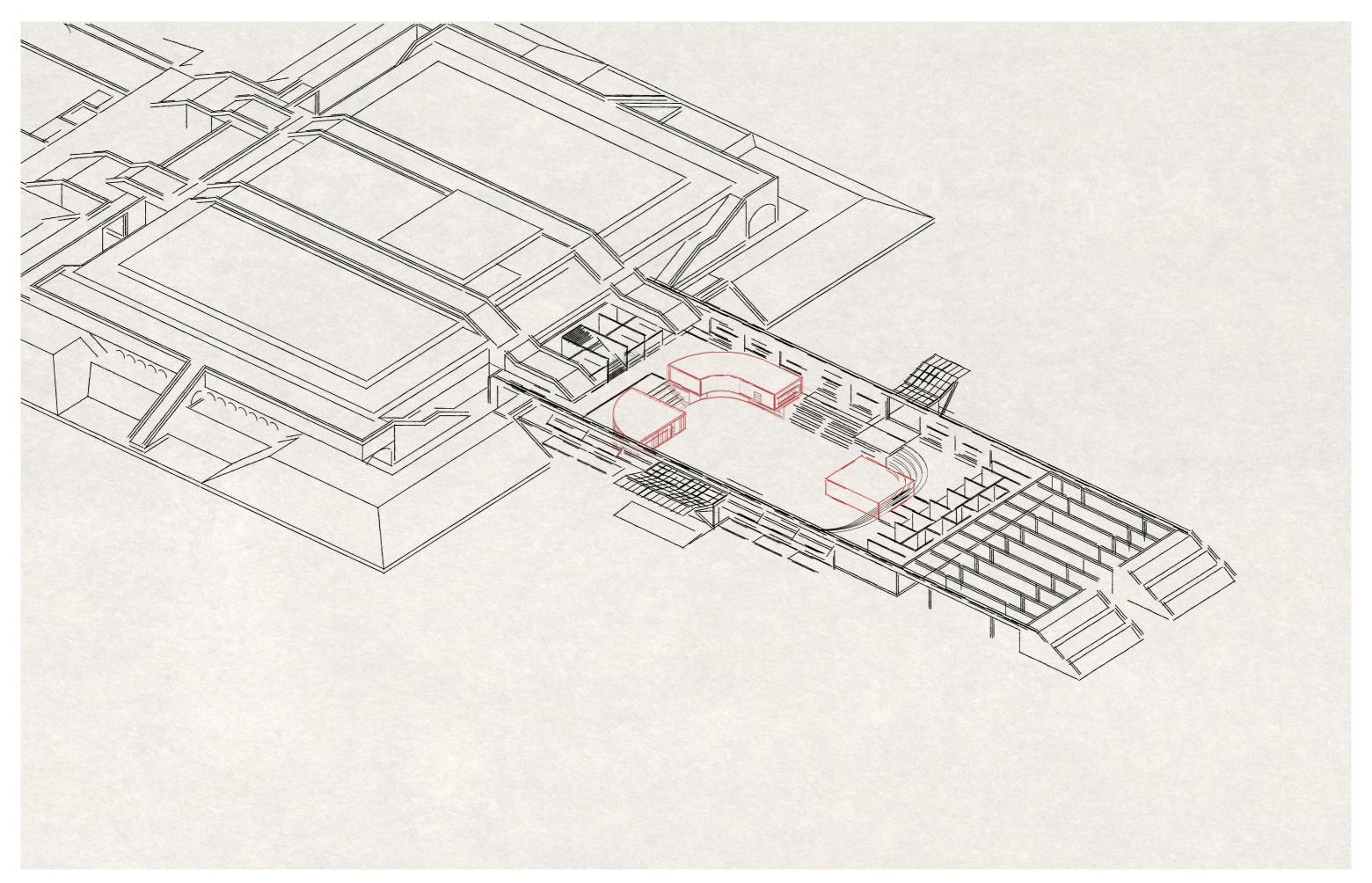




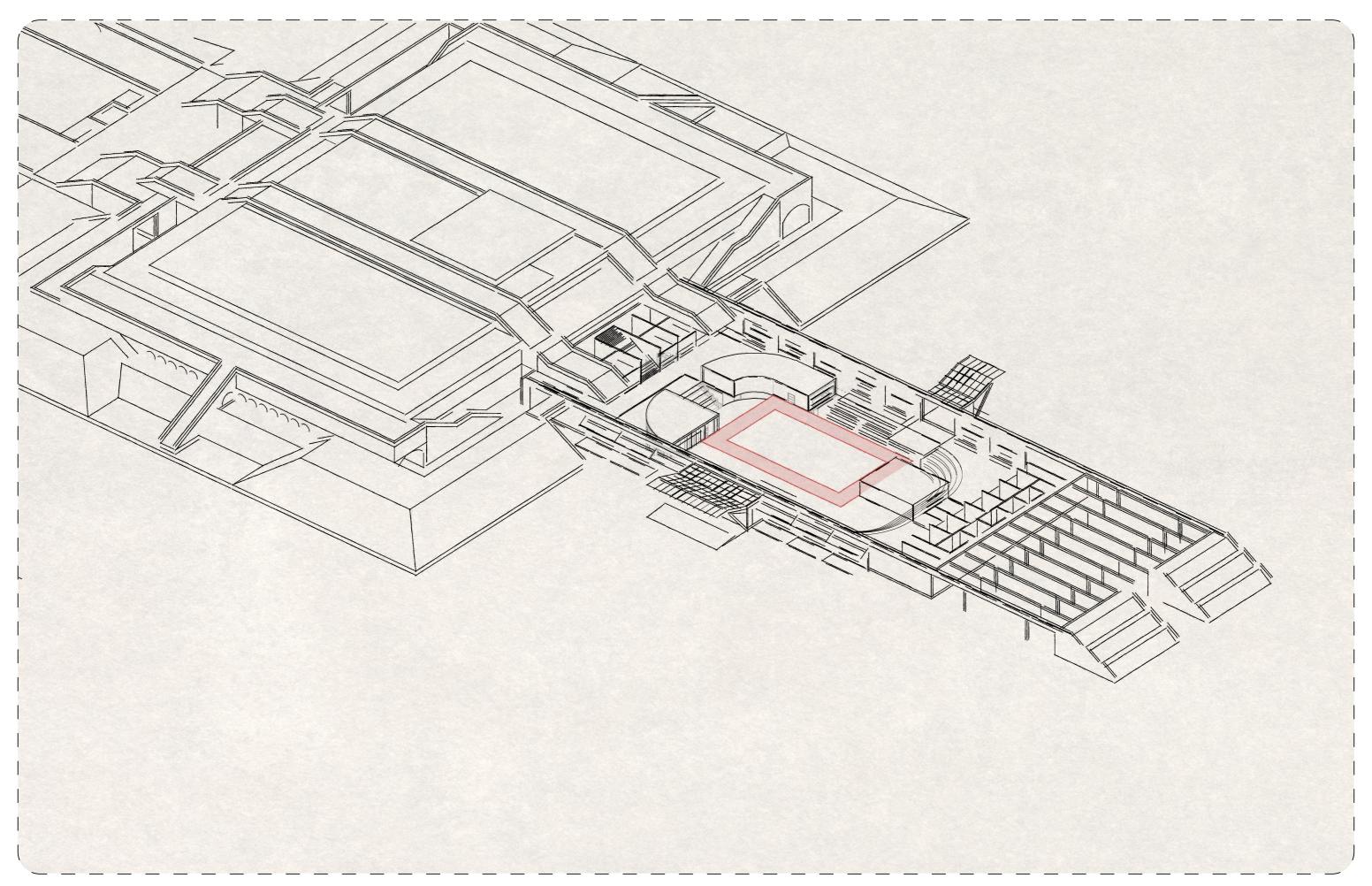
2.Introducing new canopy entrance

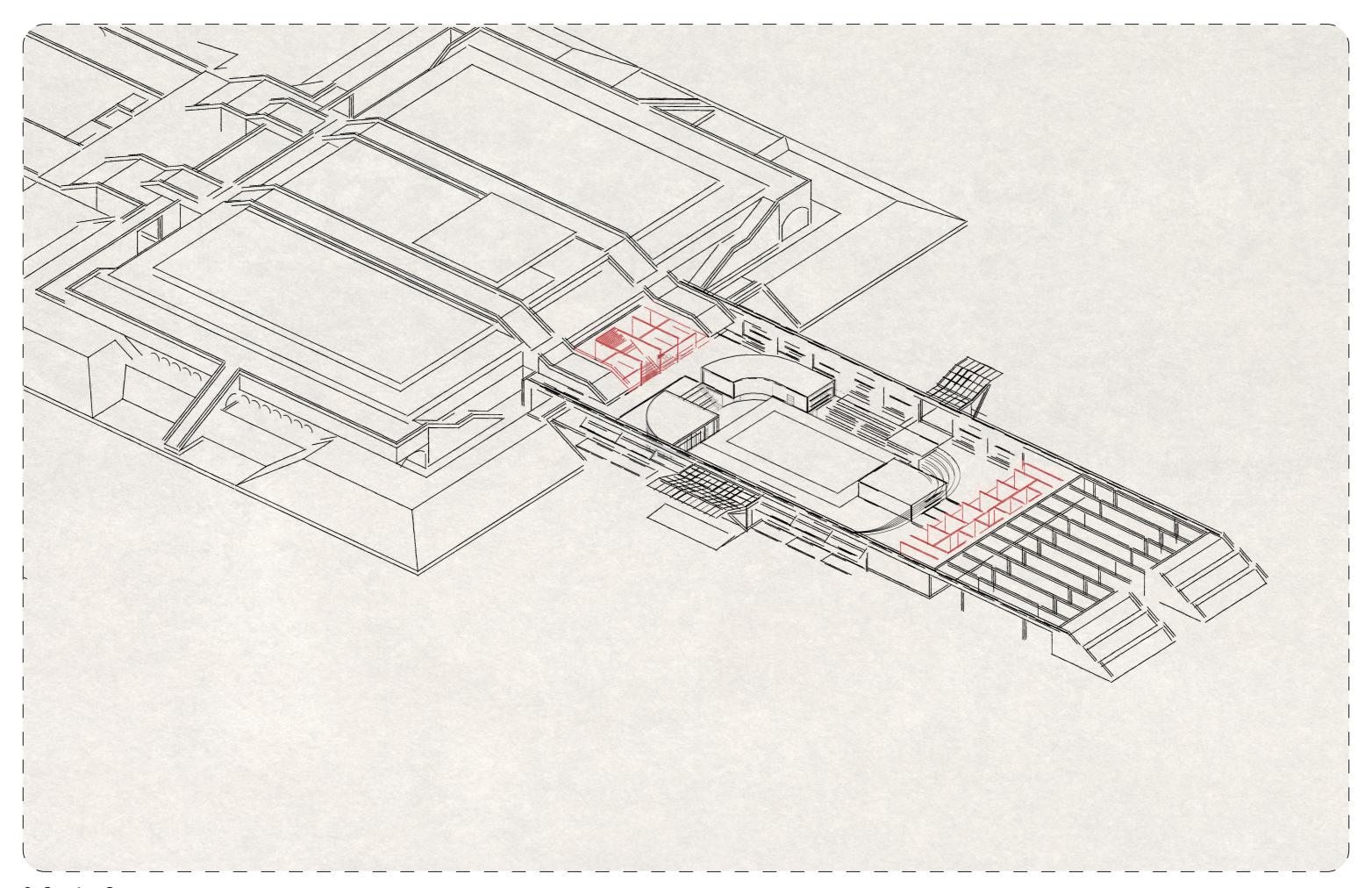


3. Market hall

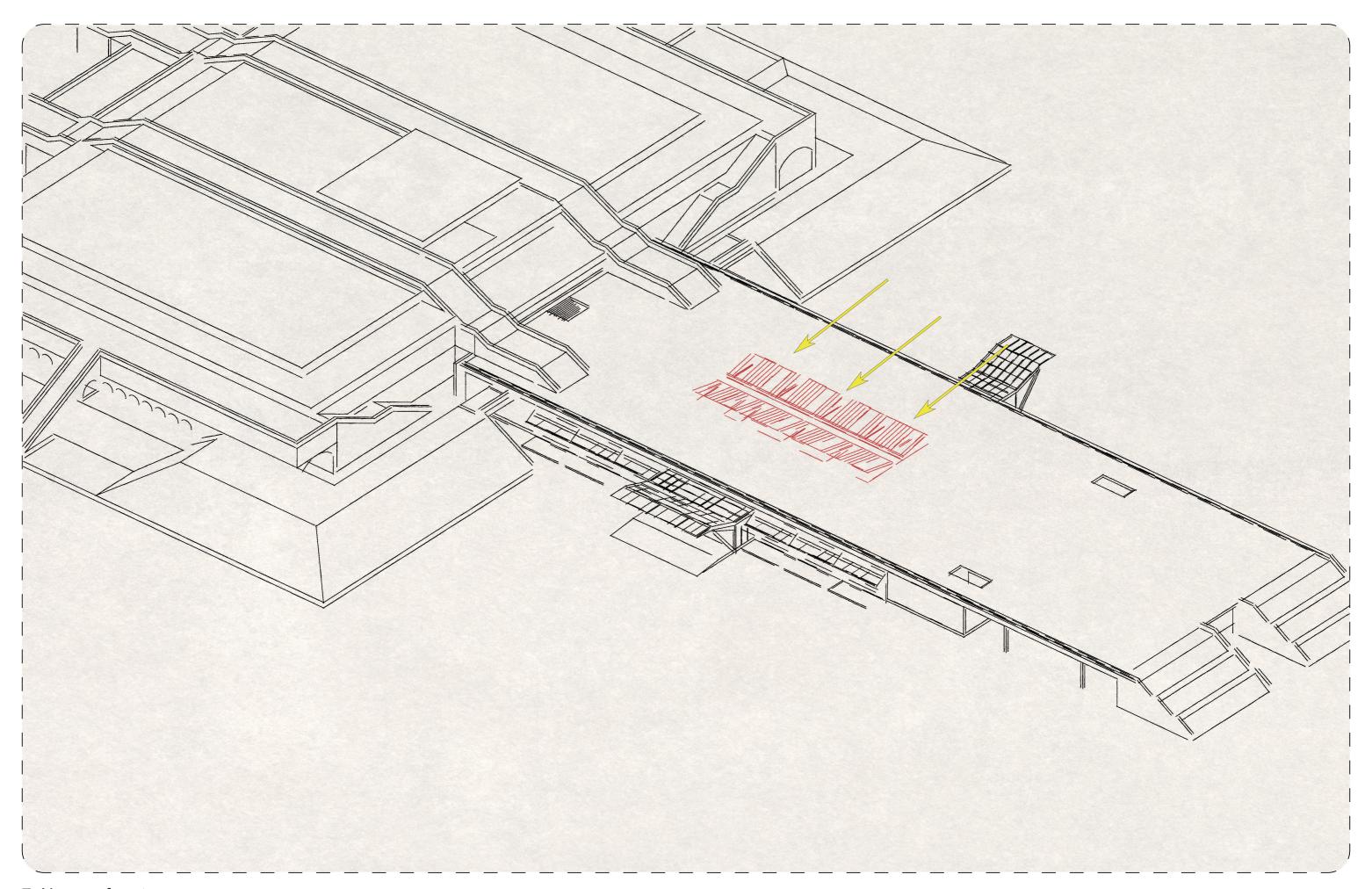


4.Introducing shacks





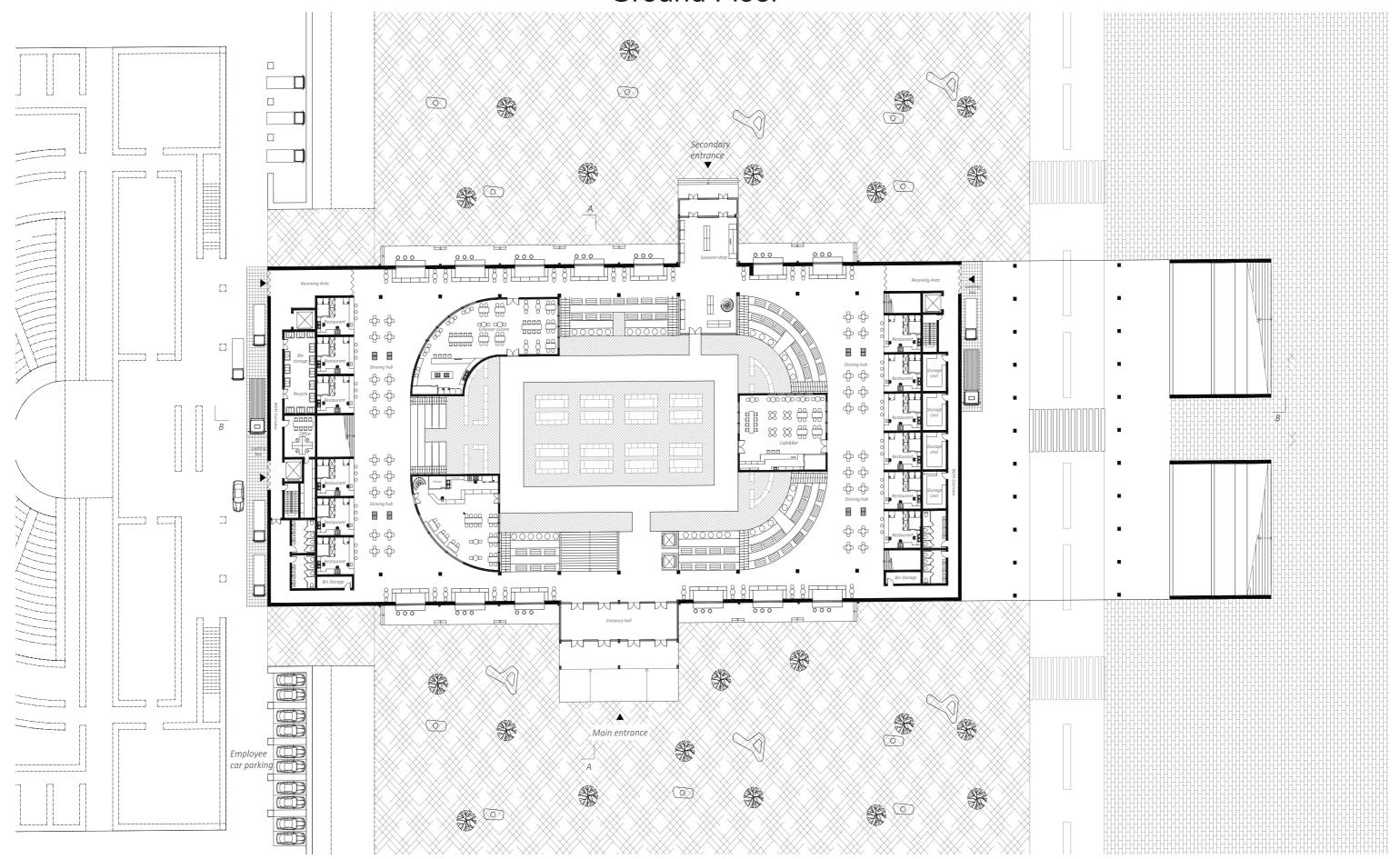
6. Service Space



7. New roof system

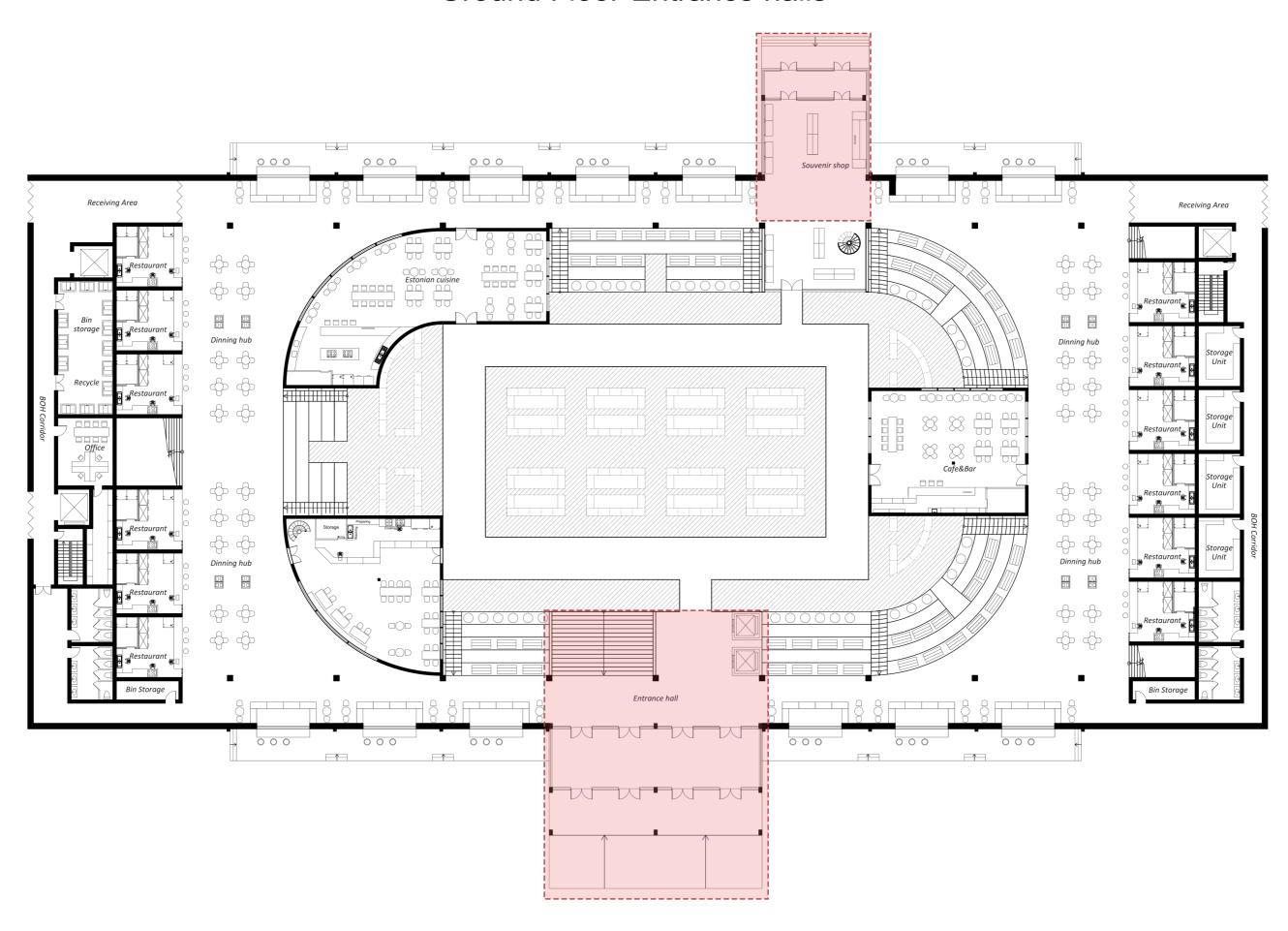
Floor plans

Ground Floor



Floor plans

Ground Floor-Entrance halls





-Entrance Hall-

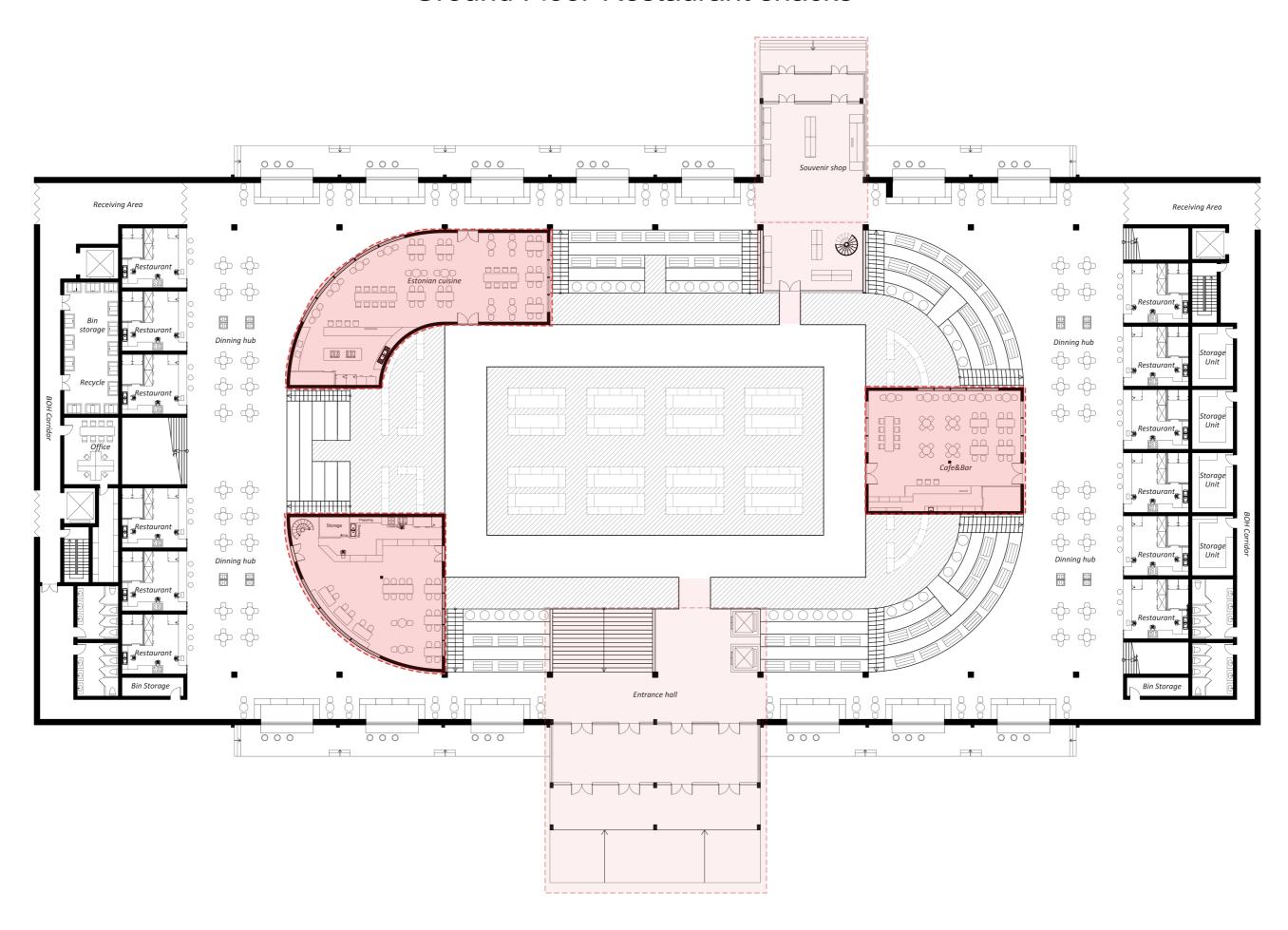
Rebirth of Linnahall - A Matter of Scale



-Entrance Hall-

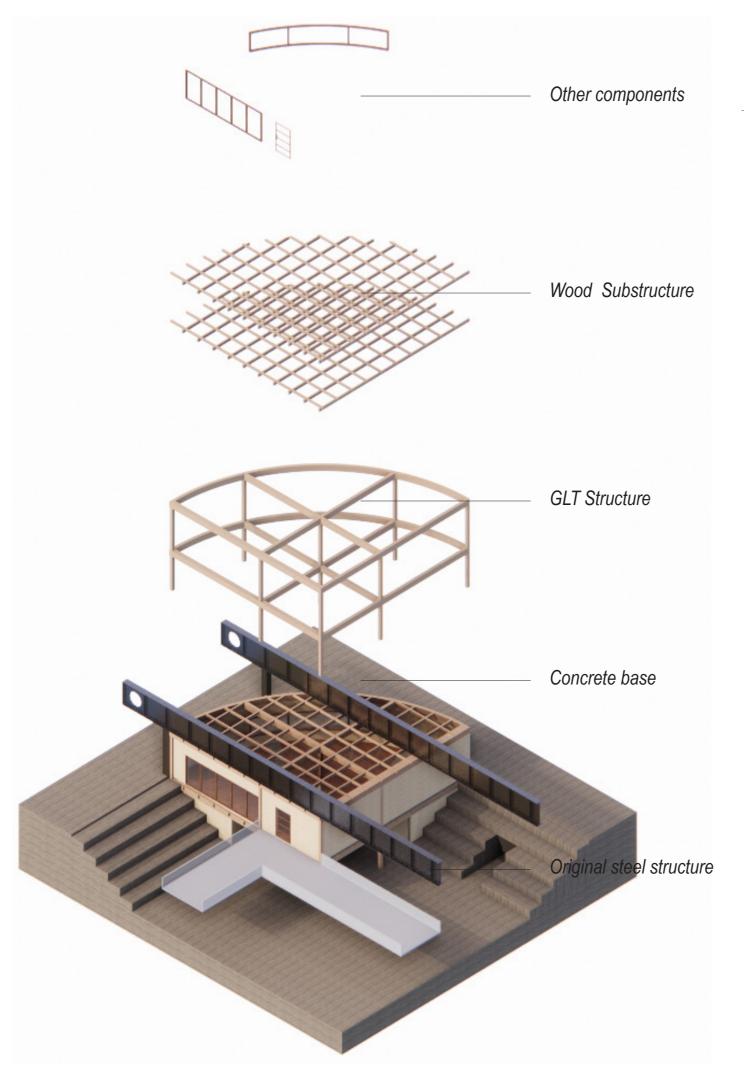
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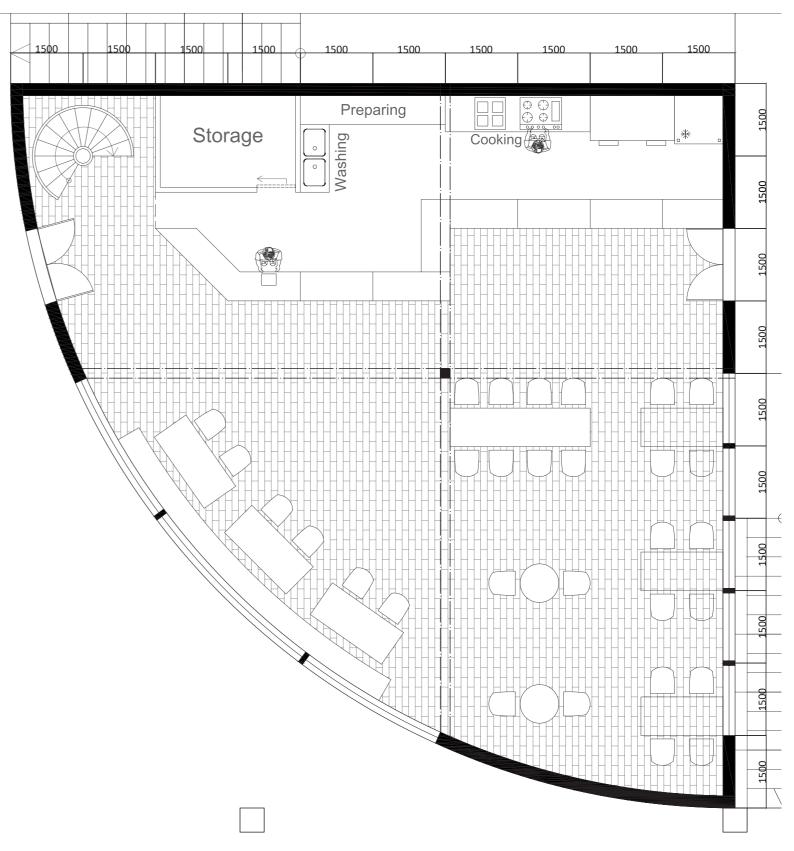
Ground Floor-Restaurant shacks



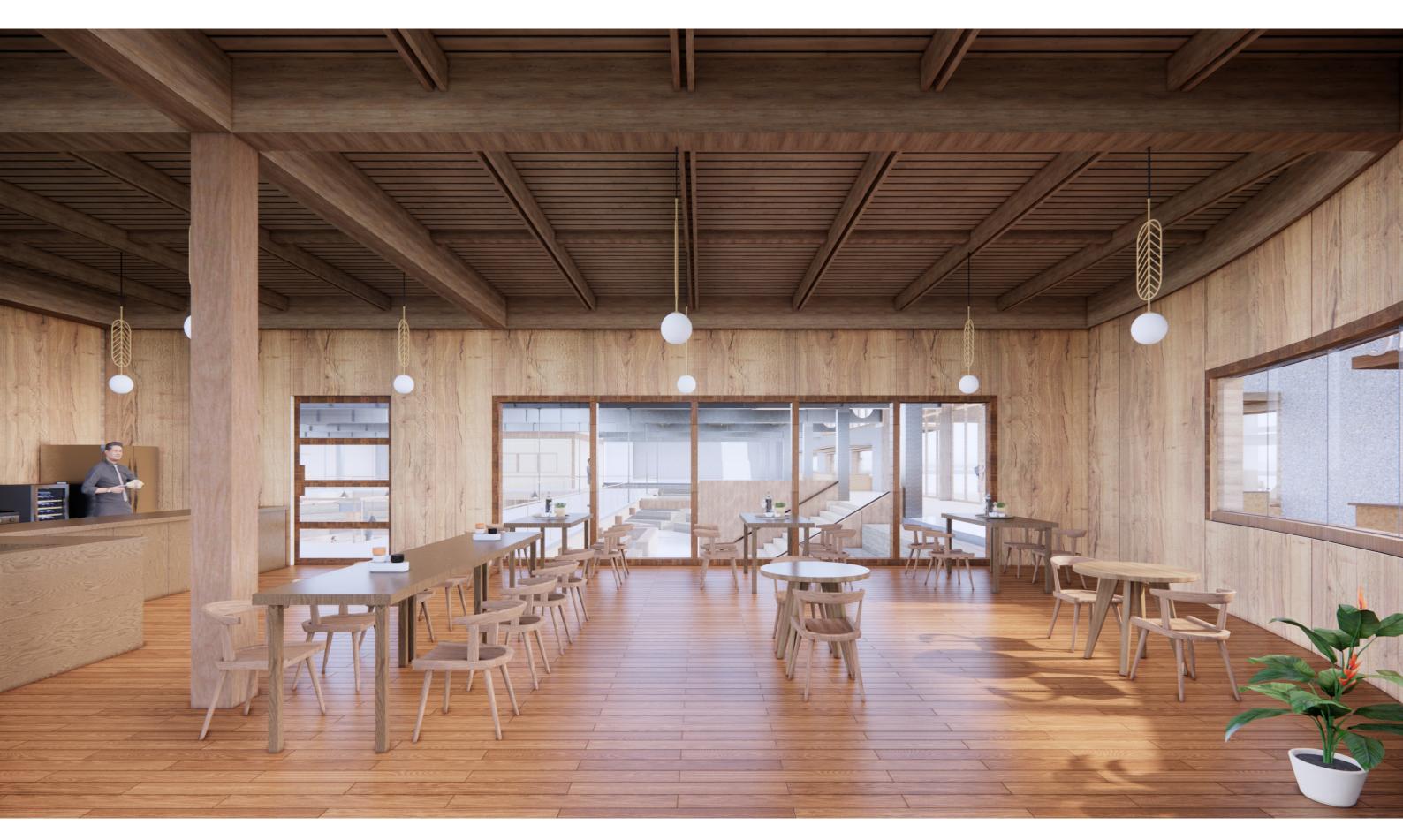


-Restaurant exterior-





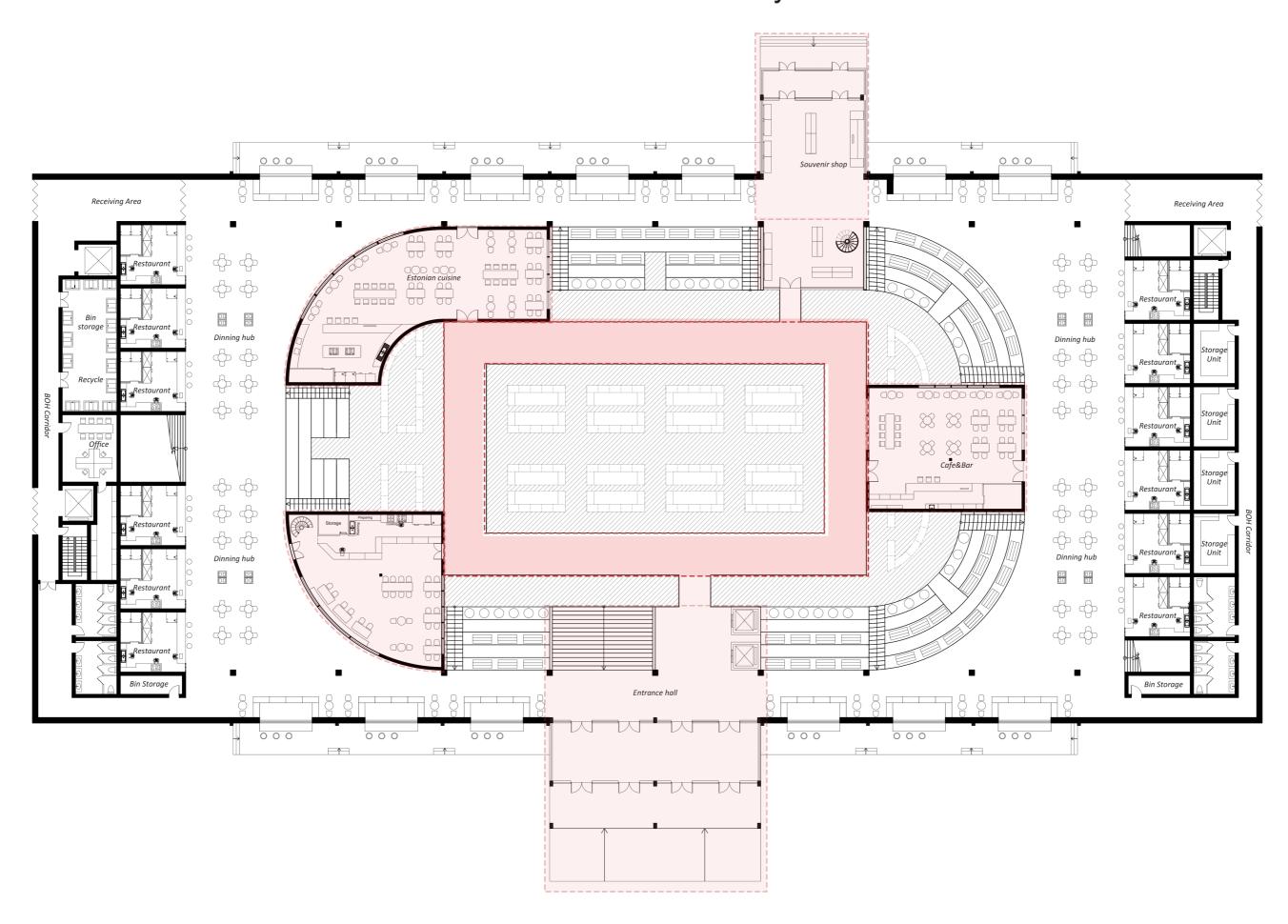
Fish restaurant Plan 1:50

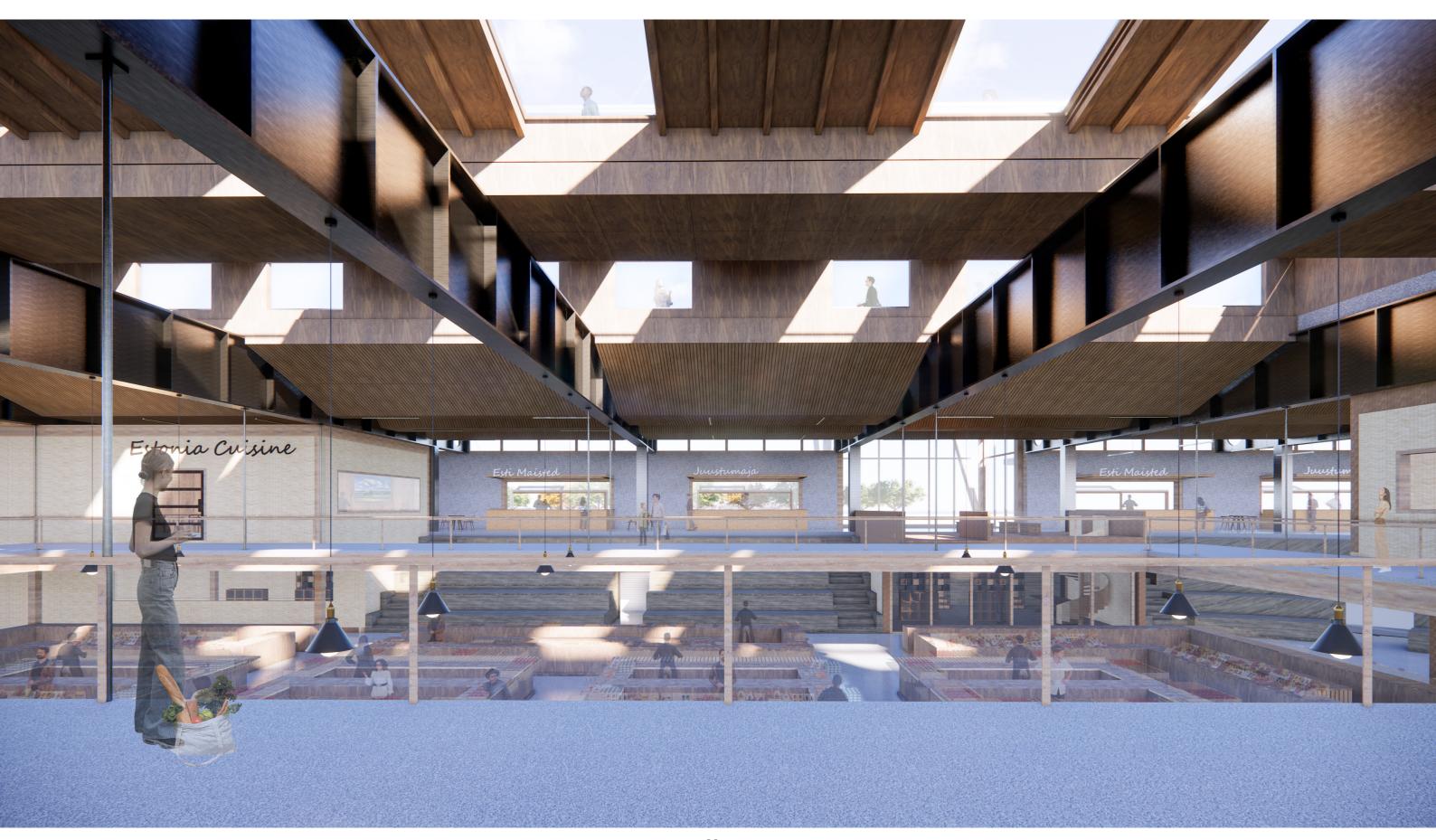


-Restaurant interior-

Floor plans

Ground Floor-Walkway

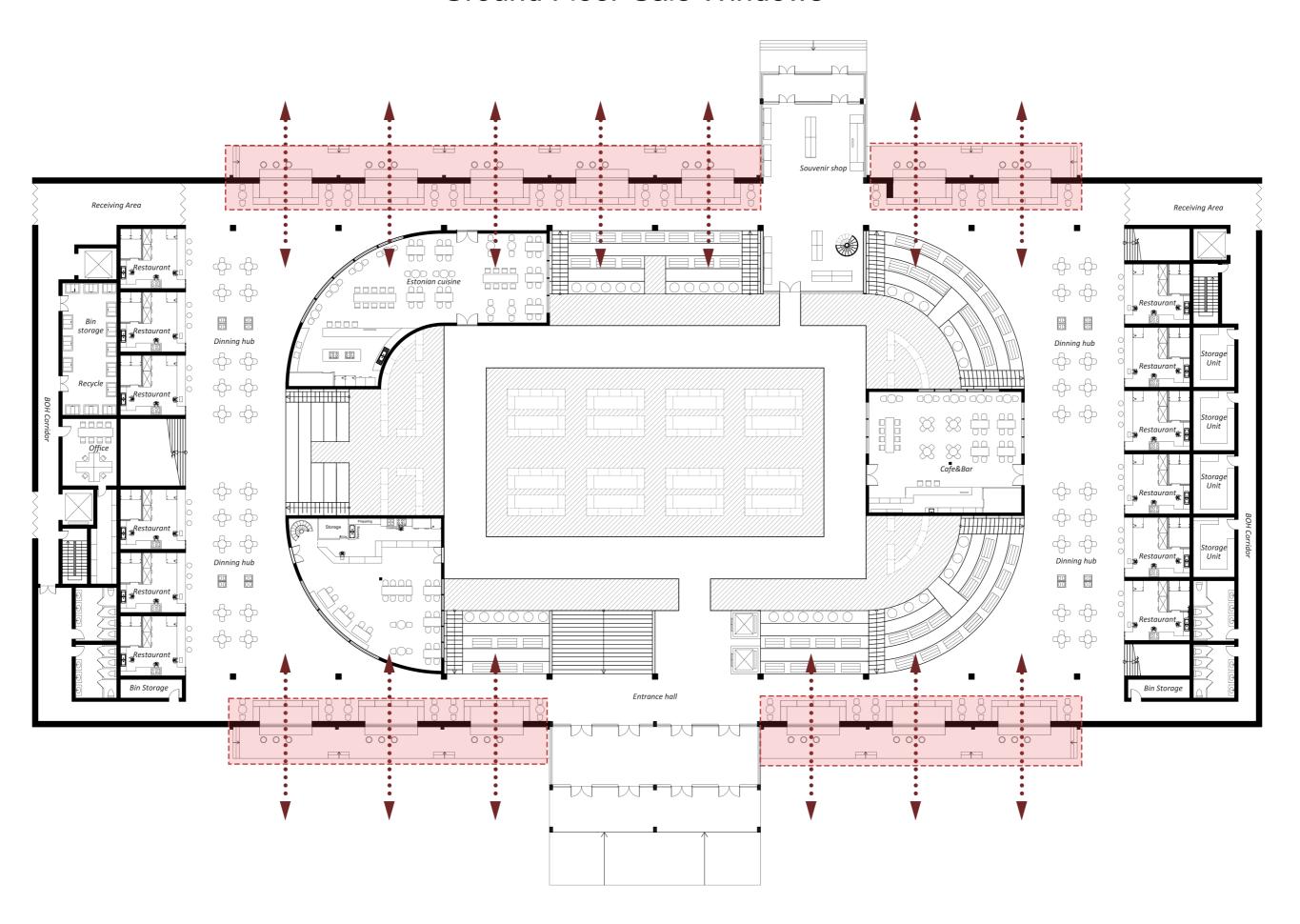




-Walkway-

Floor plans

Ground Floor-Sale Windows







East Elevation



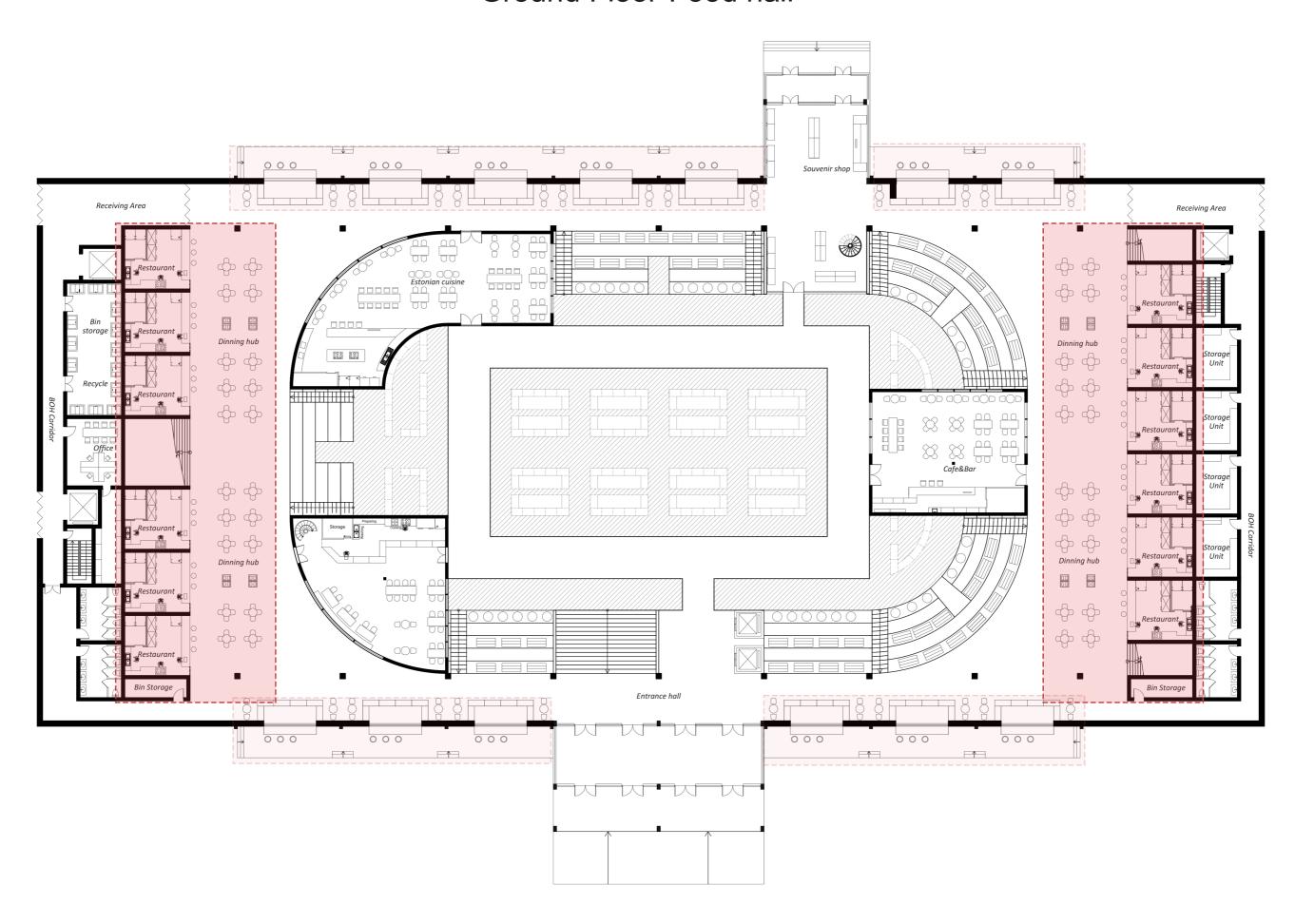
-Sales window exterior-



-Sales window interior-

Floor plans

Ground Floor-Food hall

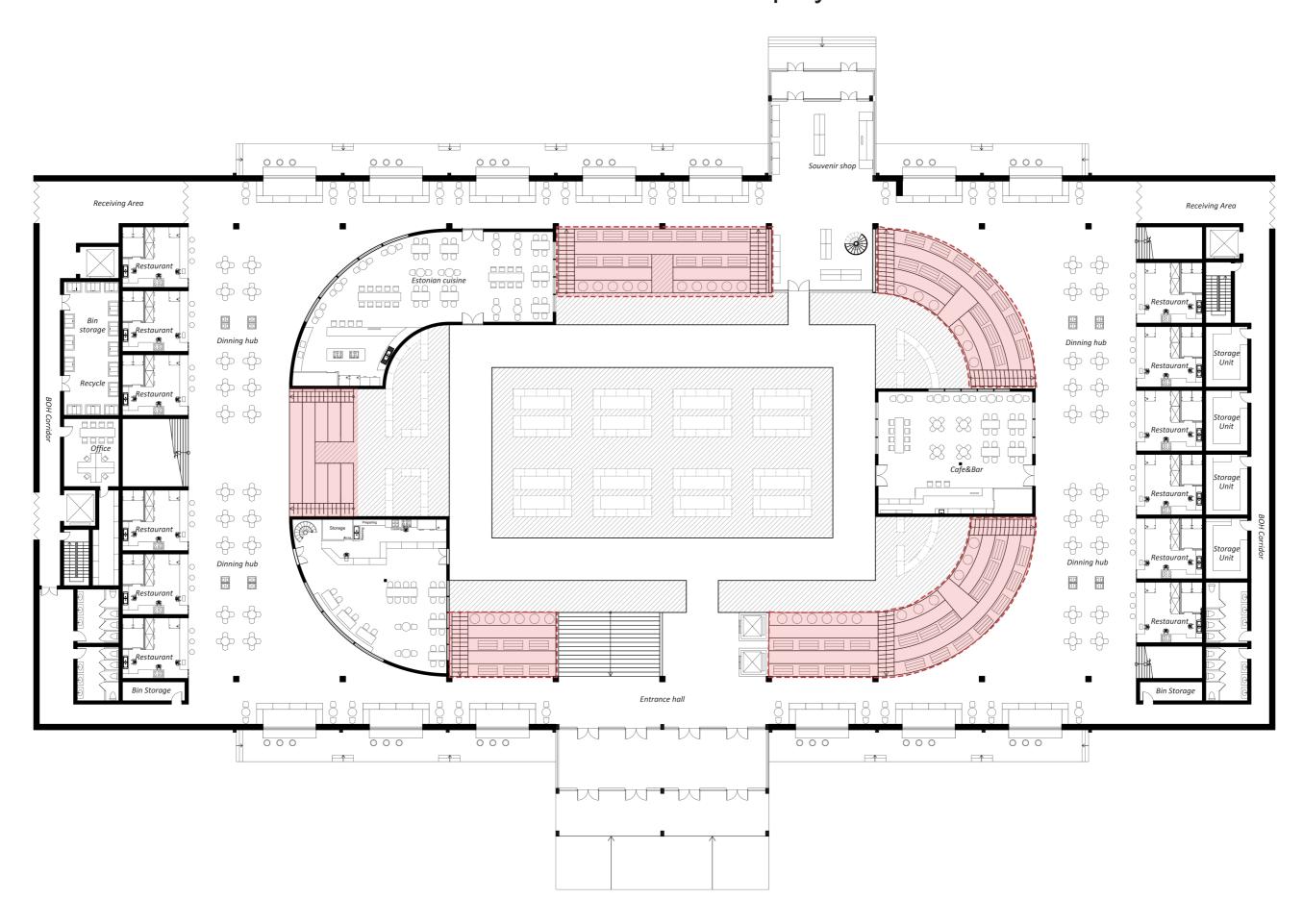




-Food hall-

Floor plans

Ground Floor-Crafts display



Estonian traditional crafts









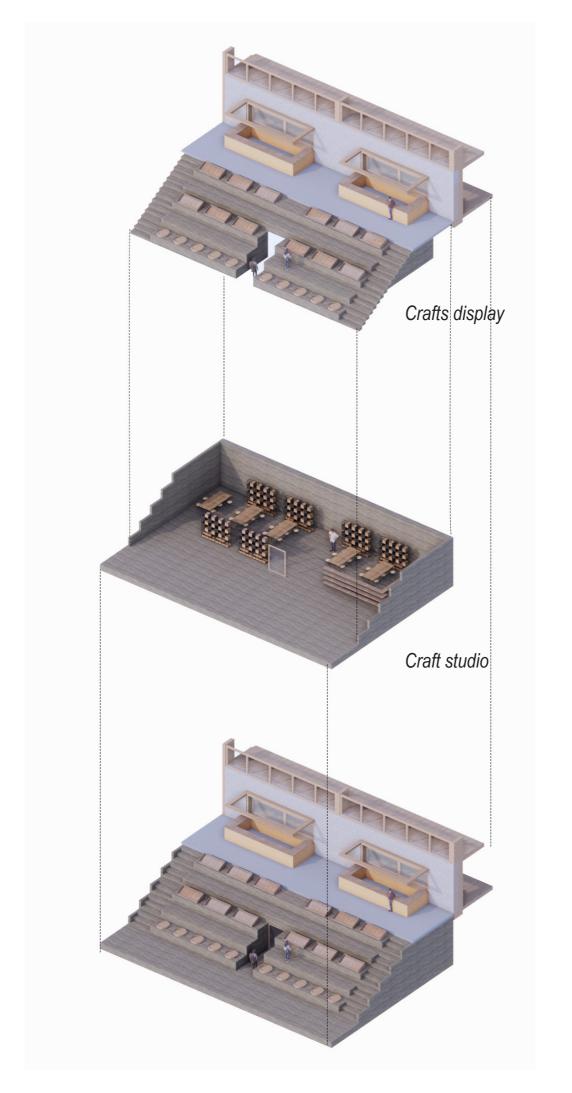
Knitting and Weaving Woodworking Metalworking Pottery



-Crafts display-



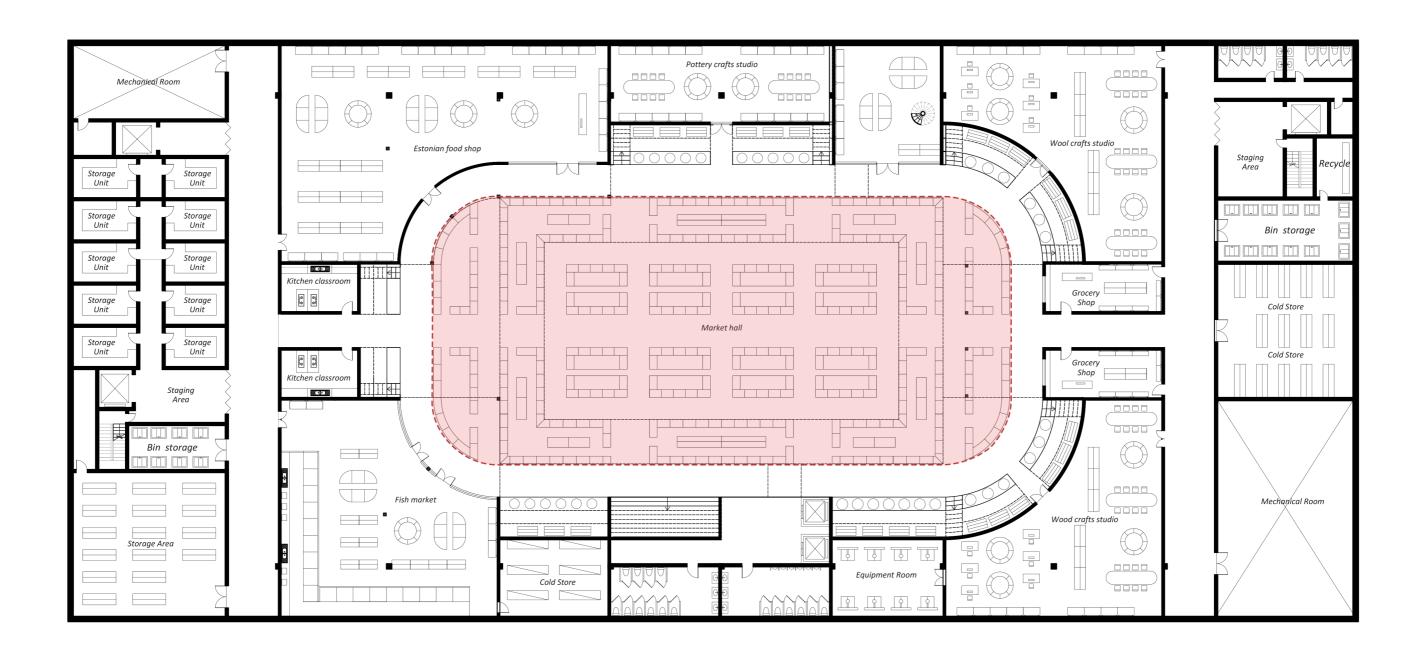
-Crafts studio-

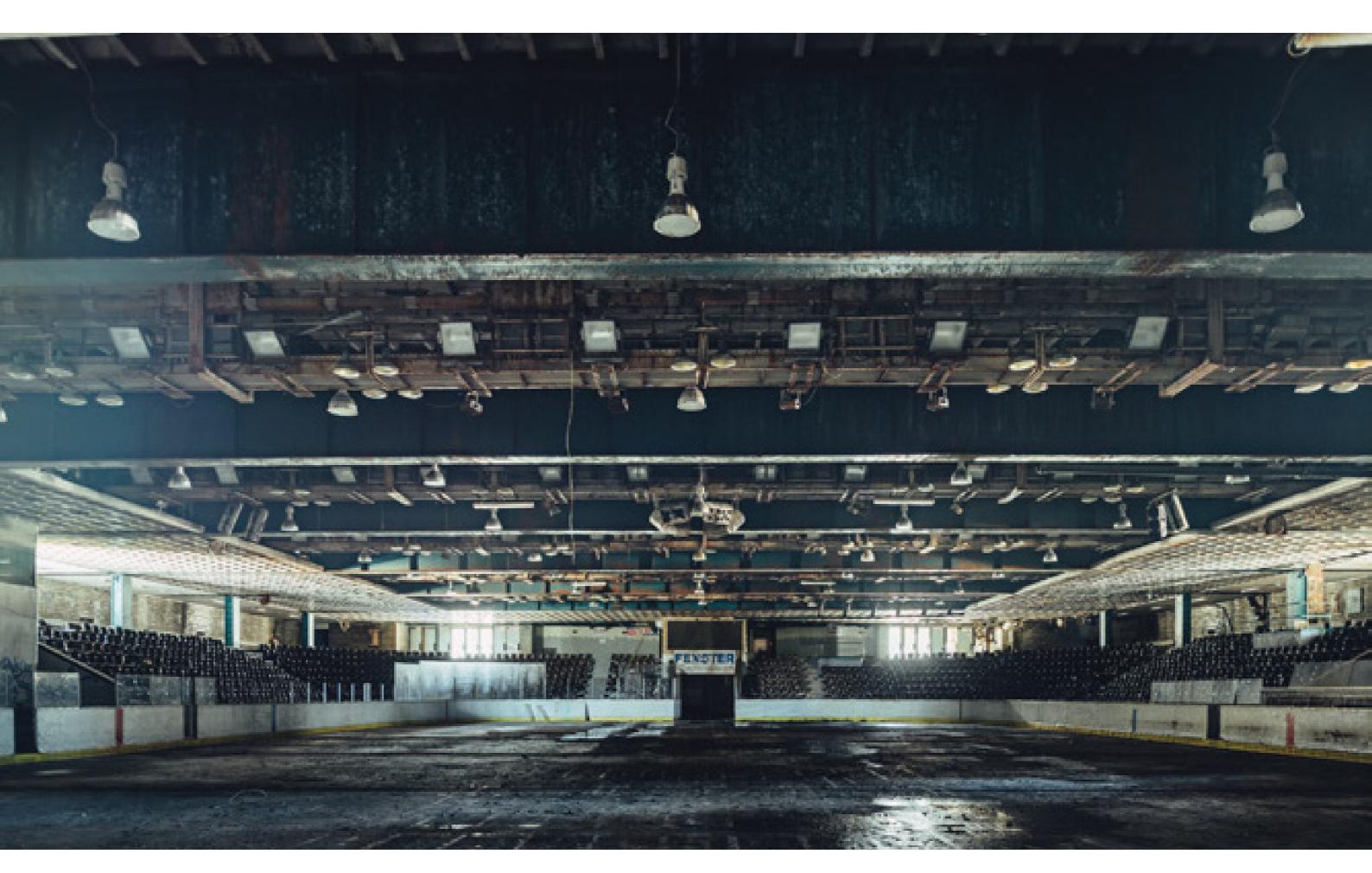


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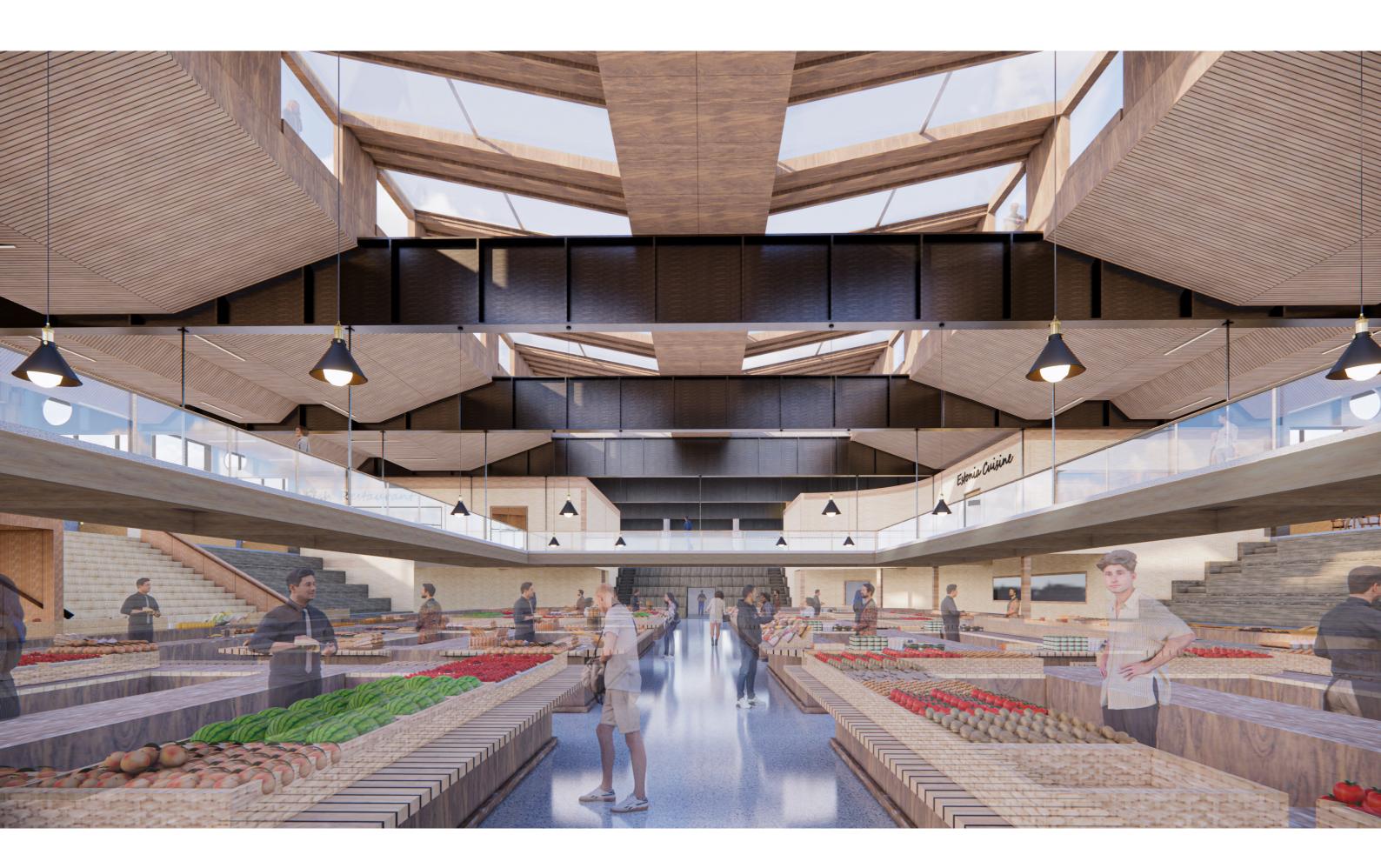
Floor plans

Lower Ground Floor-Market hall



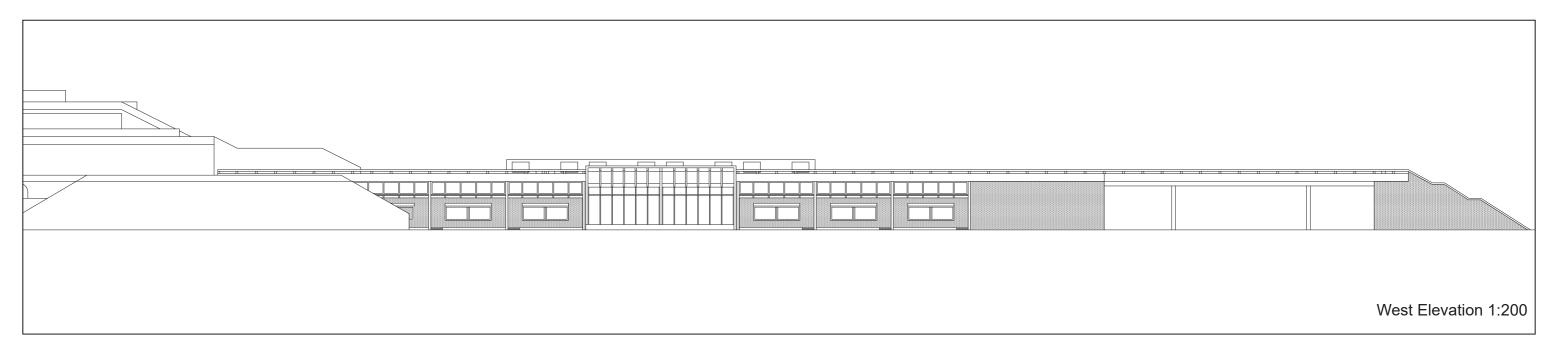


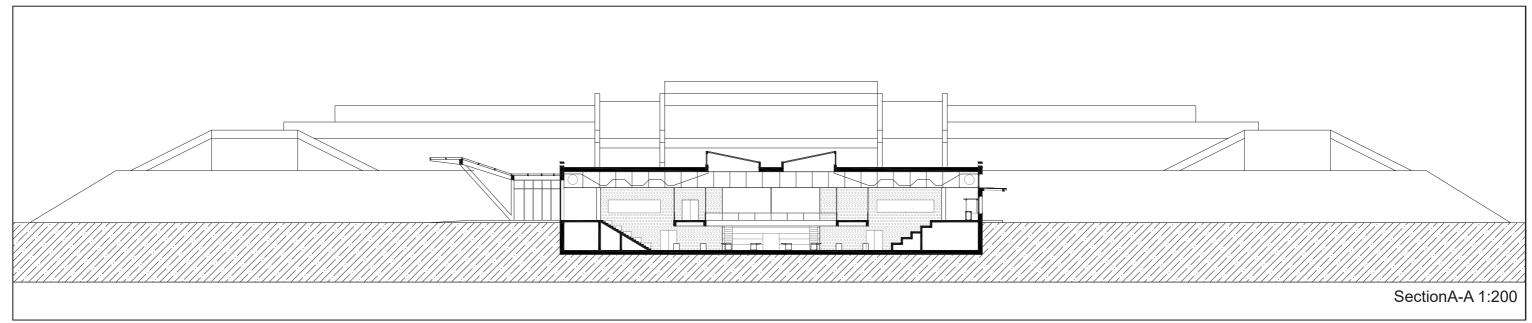
-Original ice rink-

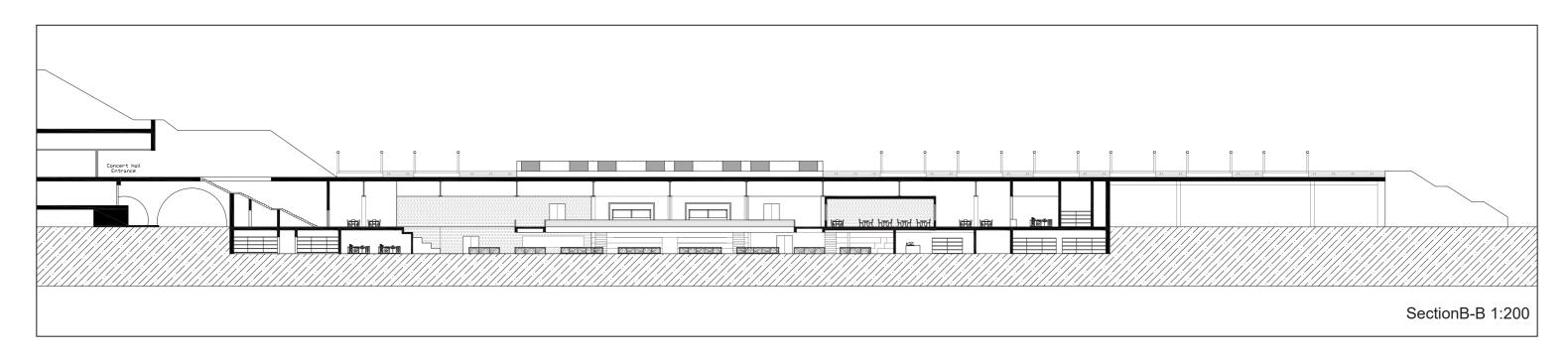


-New market hall-

Section&Elevation







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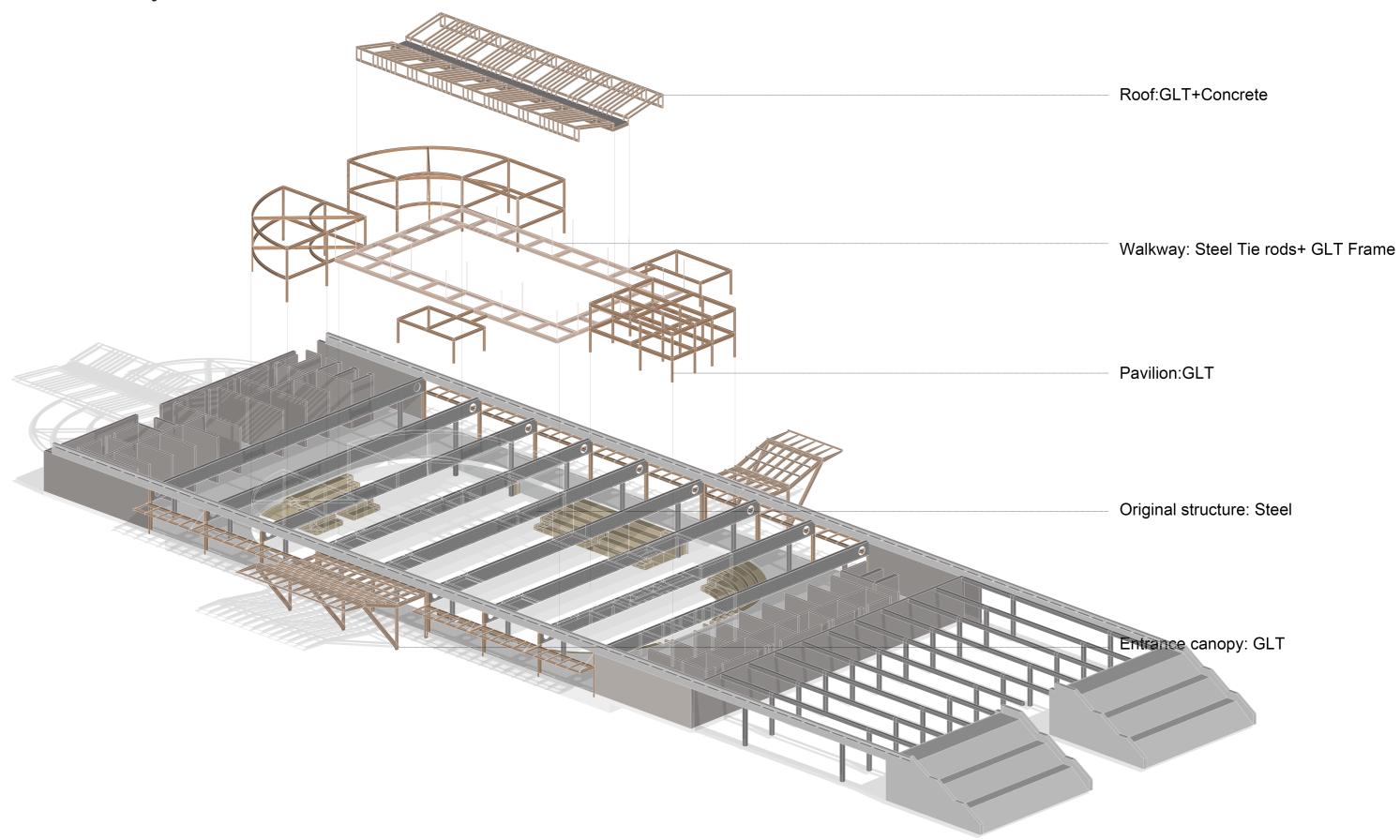
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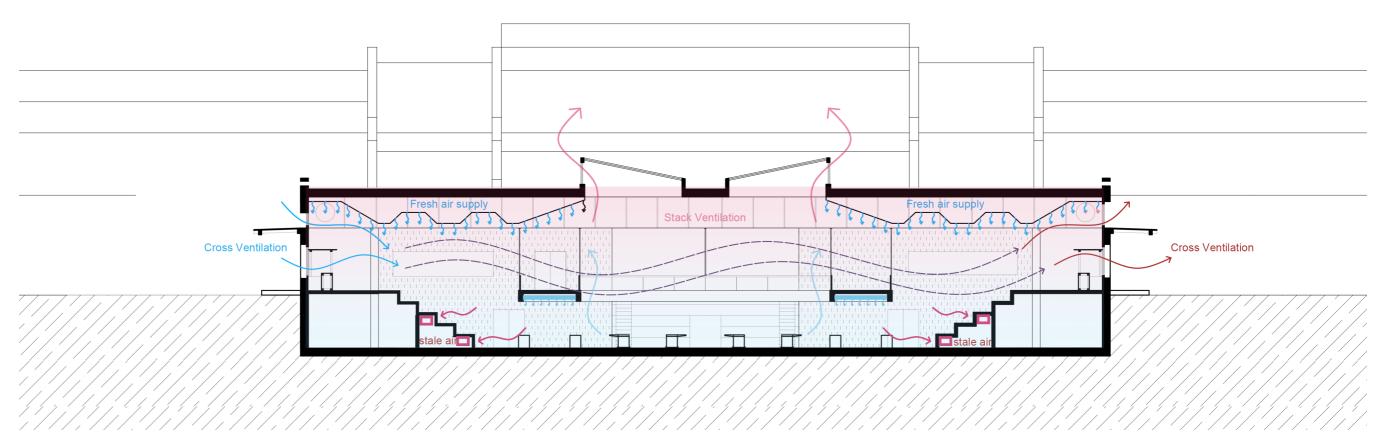
-Structural system-



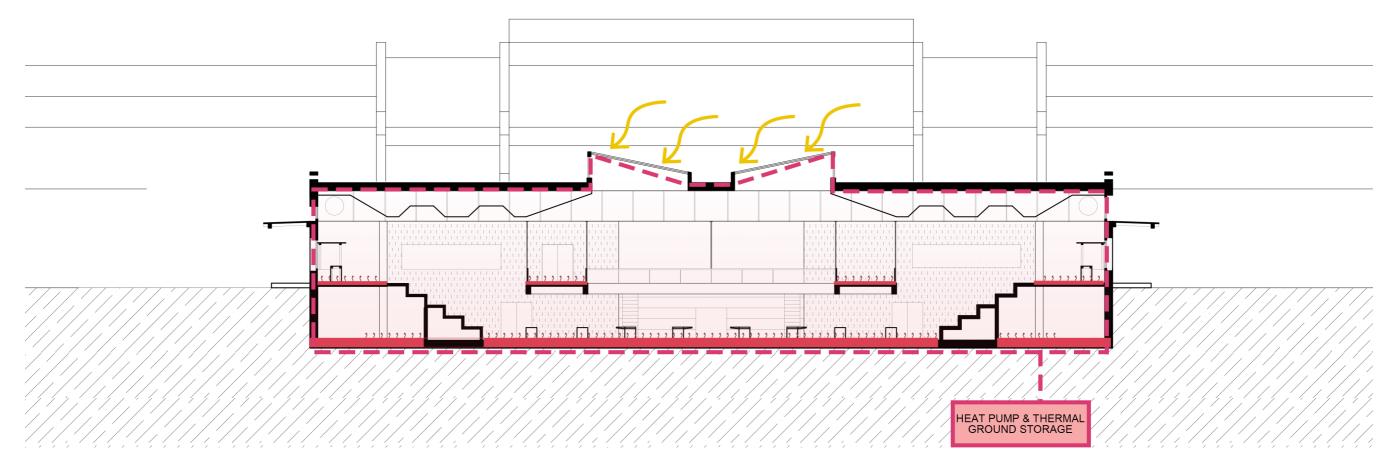
Stucture system

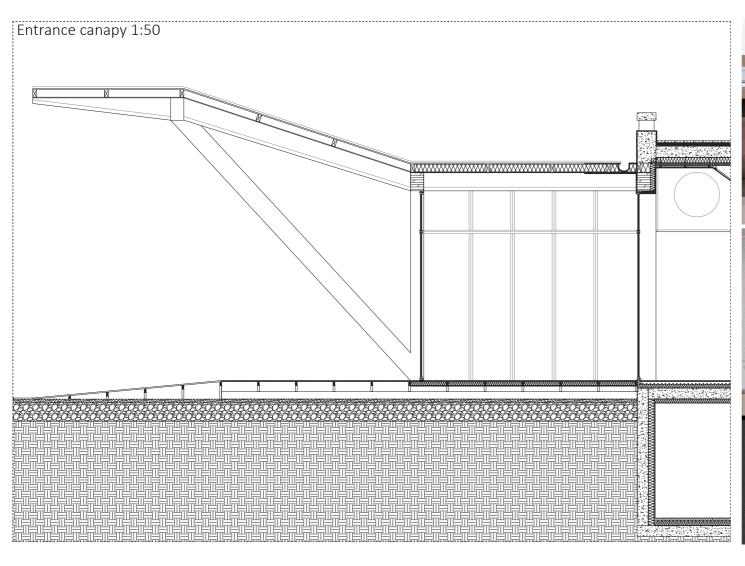
-Climate Strategy-

Ventilation & Flow

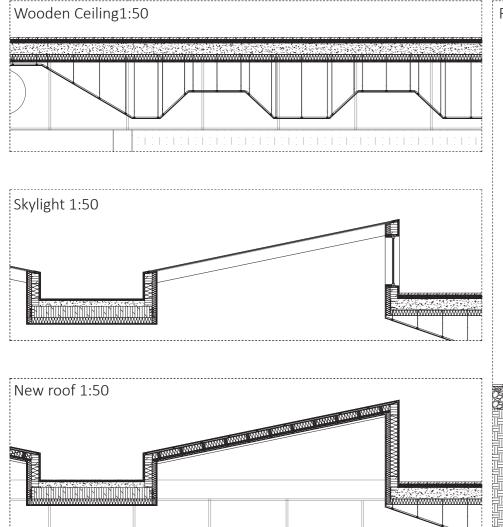


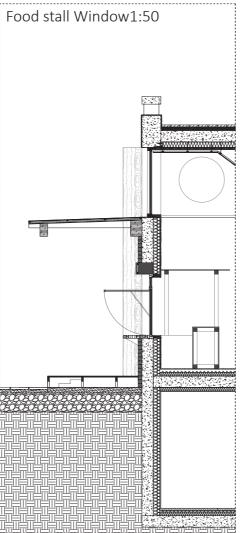
Heating & Energy







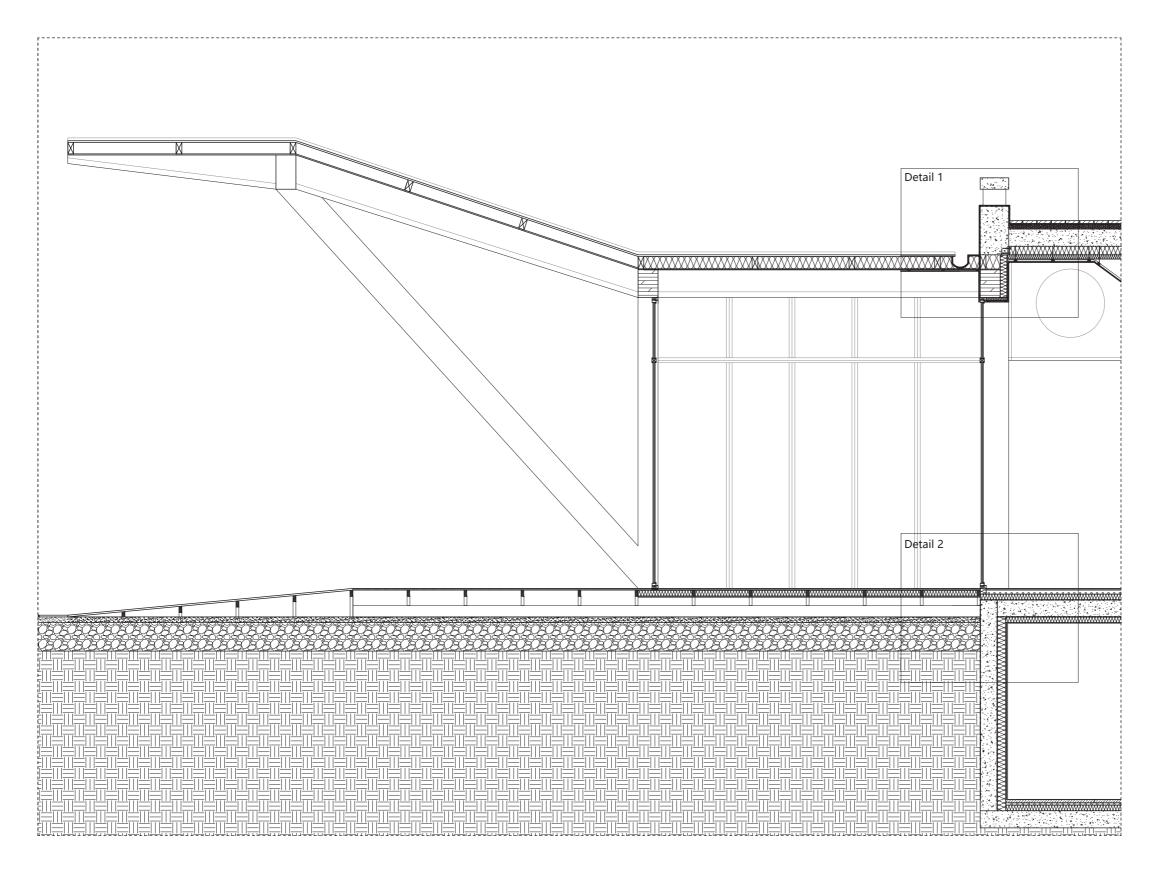






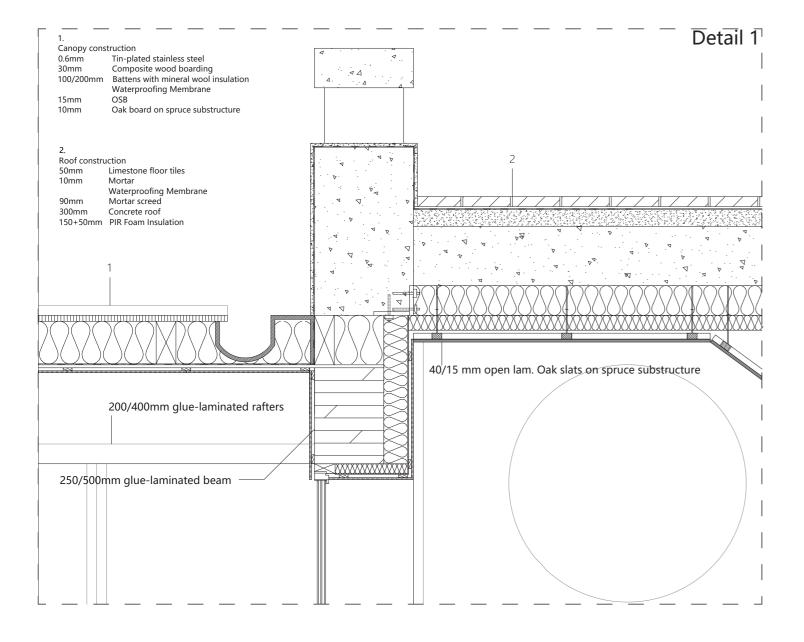
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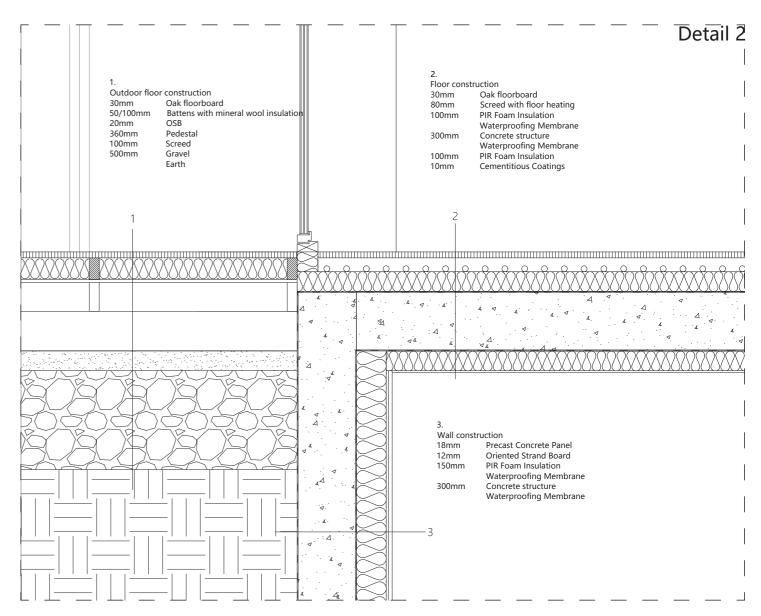
-Part1 Entrance canapy-





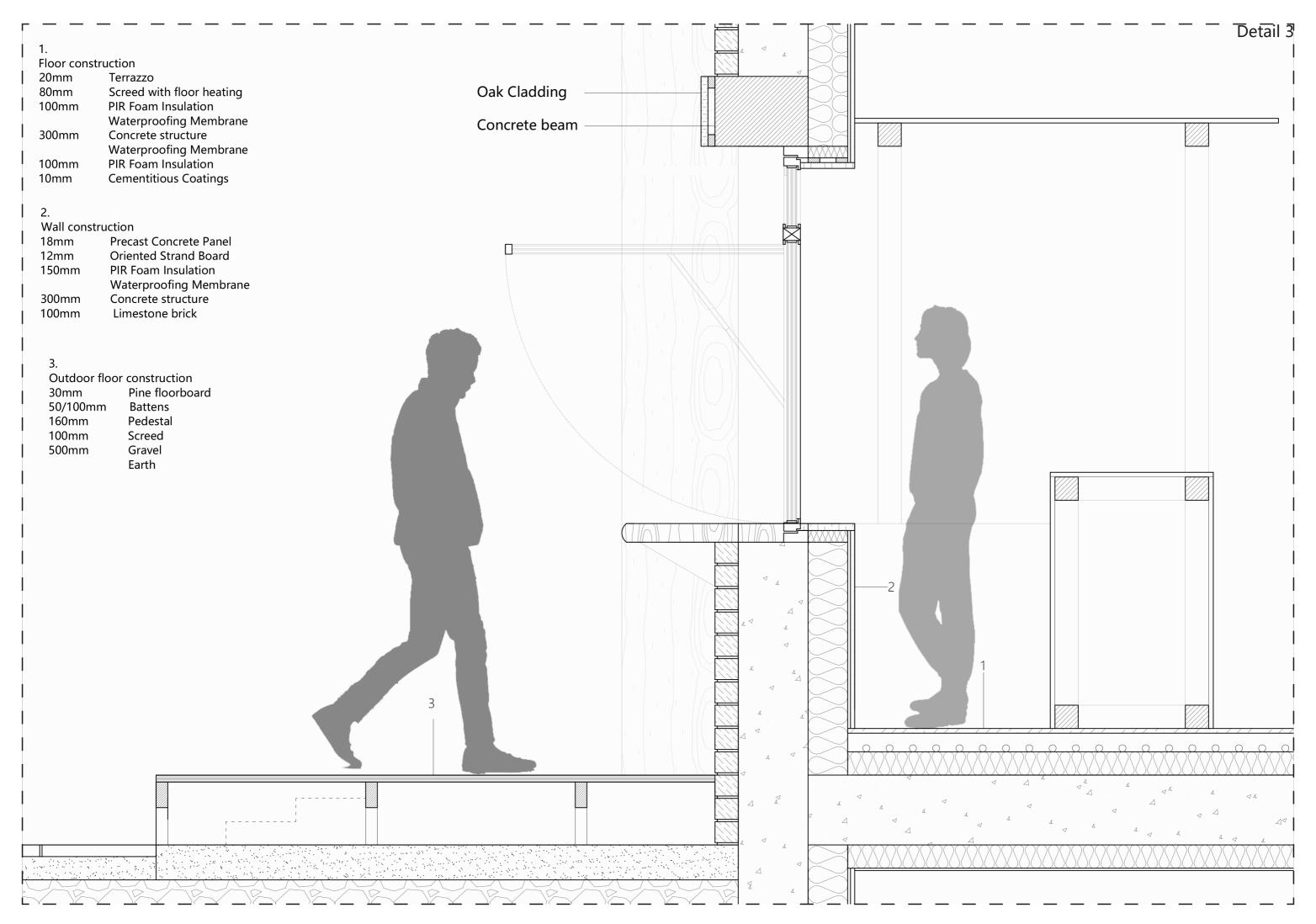
-Entrance canapy-





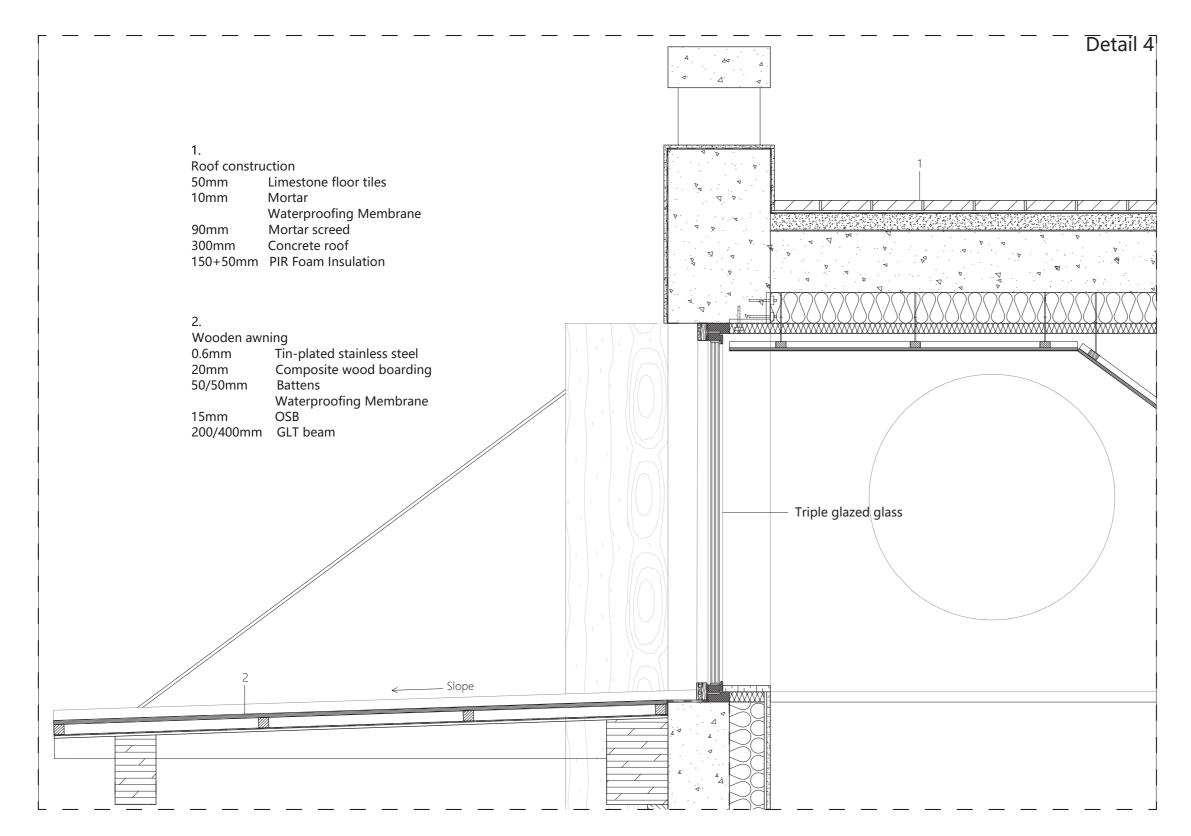
-Part2 Food stall window-





Building Technology

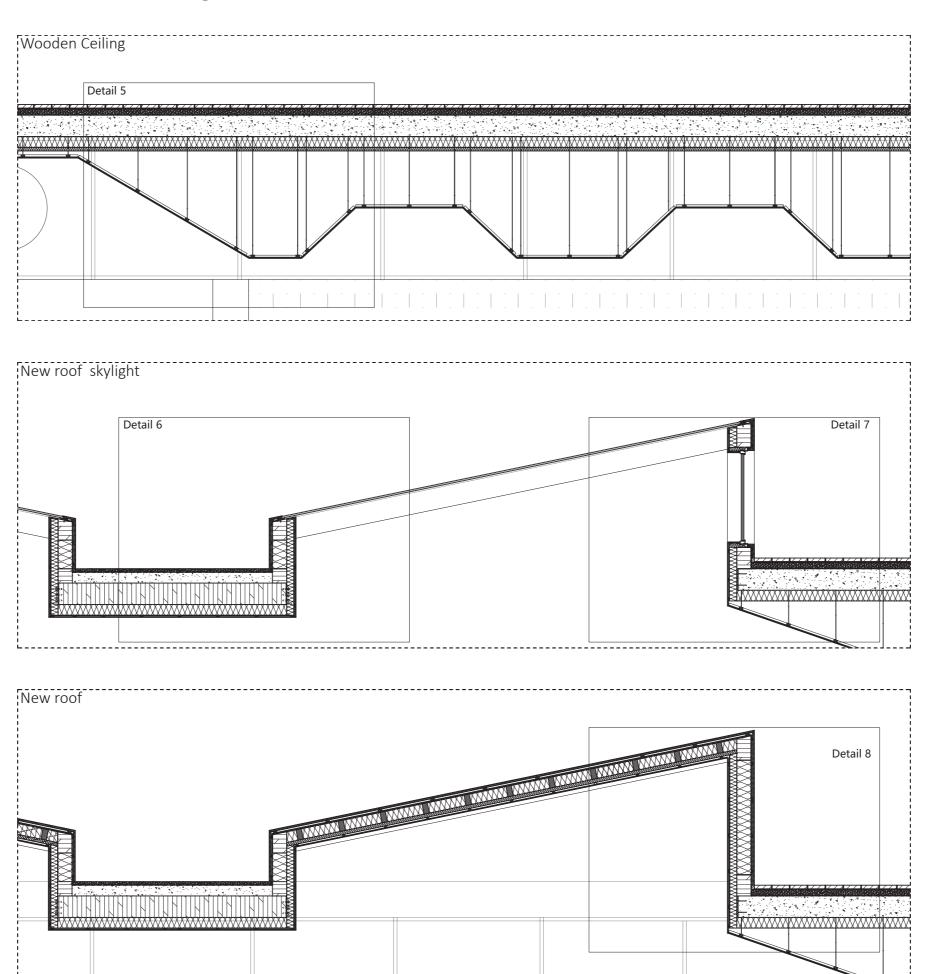
-Food stall window-







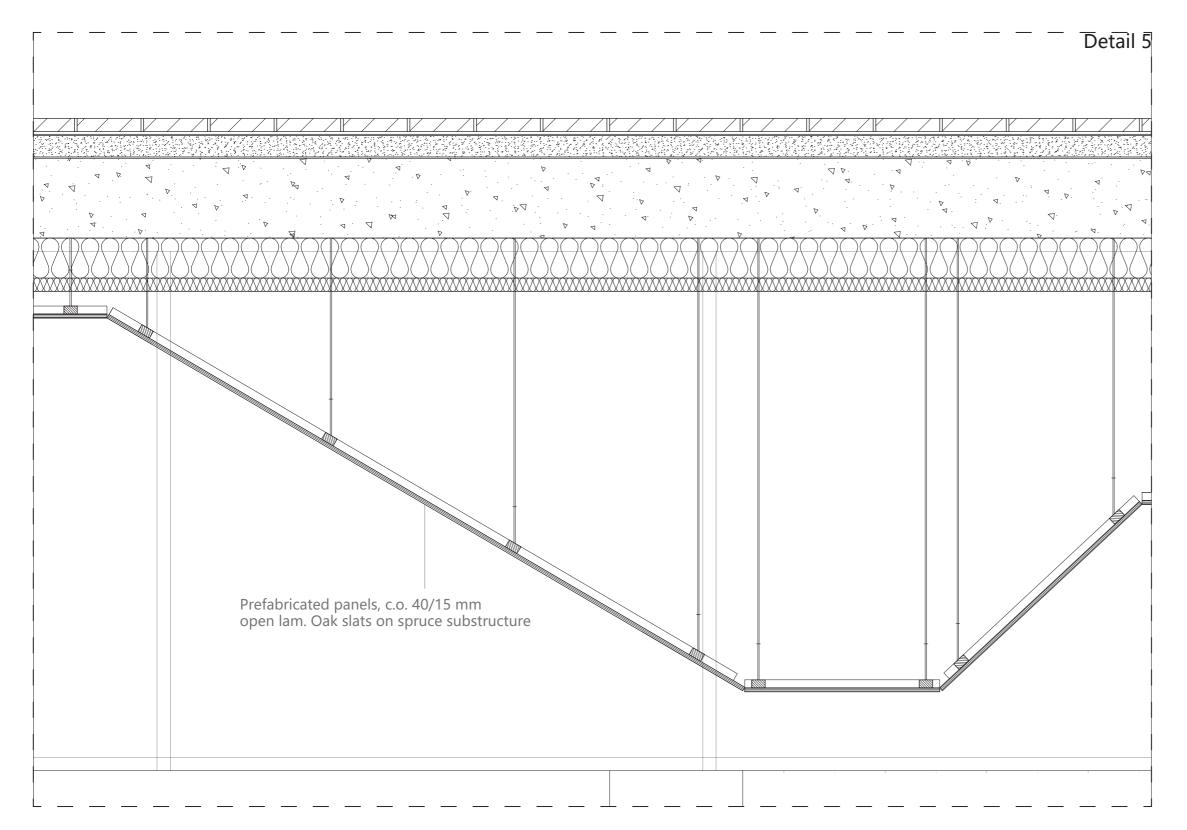
-Part3 New roof and wooden ceiling-



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Building Technology

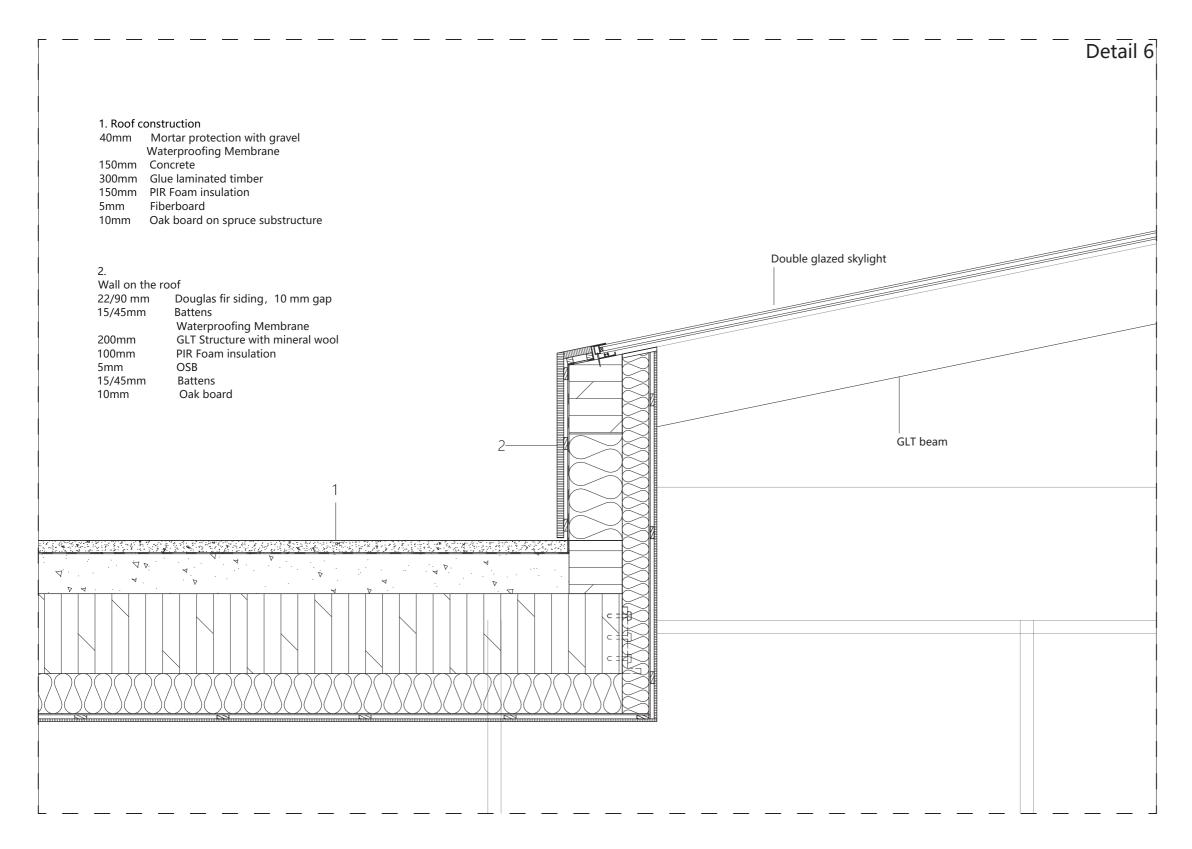
-Wooden Ceiling-





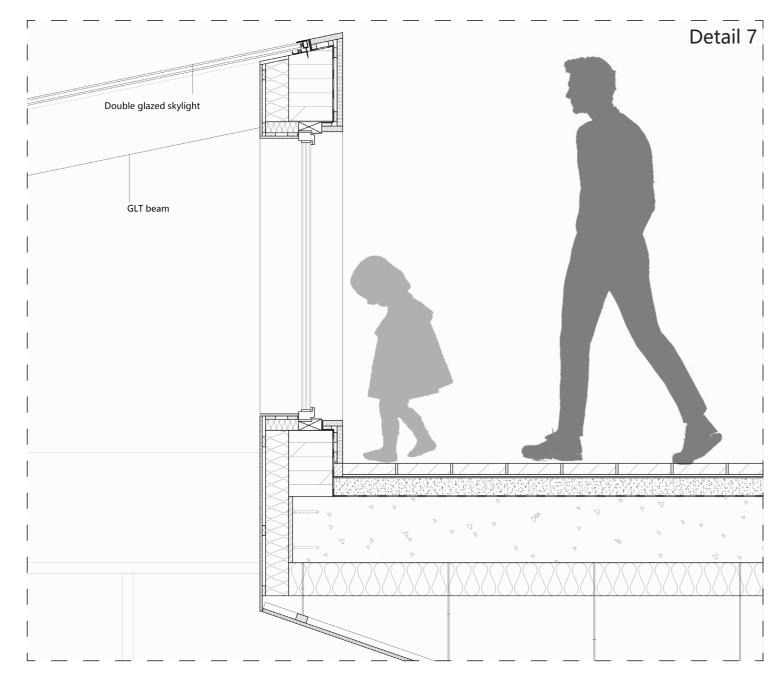


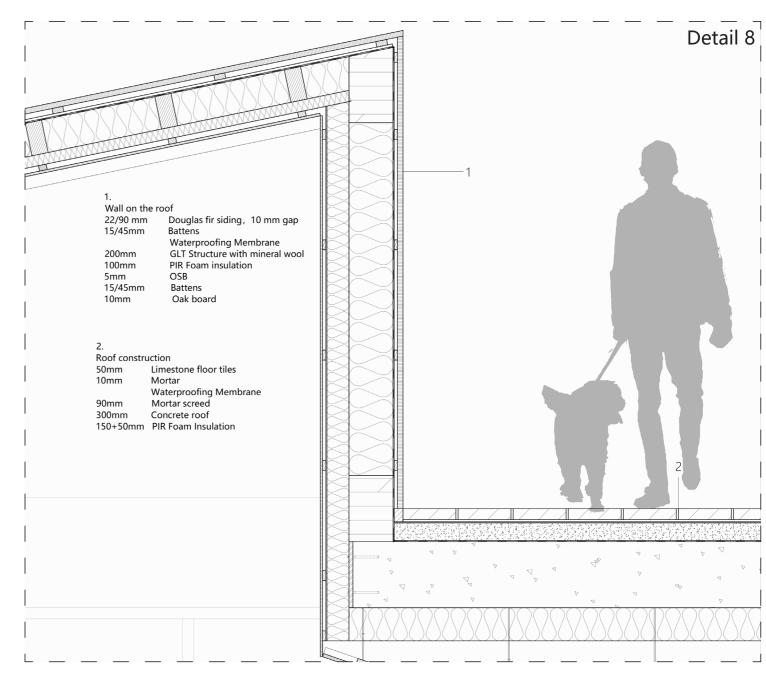
-Roof-





-Roof-







Introduction

Research

Design

Design Development

Conclusion

-Conclusion-



















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THANK YOU!



















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