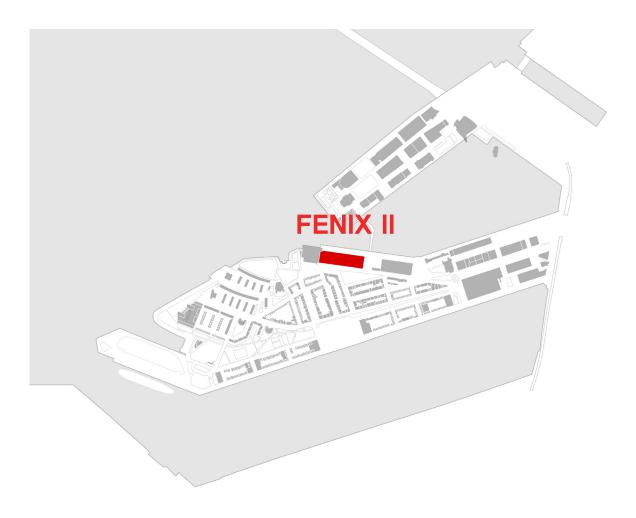


FENIX 2 A bridge between the past, present and future.

4910443 G.S Kwon

# Starting point

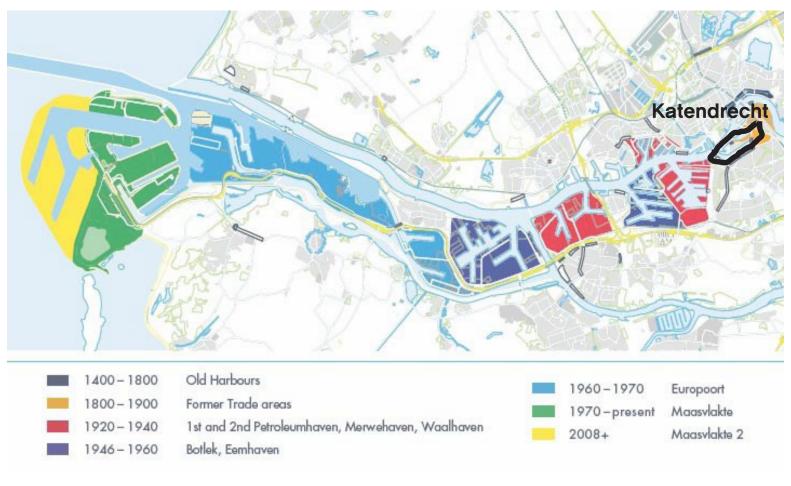
Who is Fenix II?



FENIX II in Katendrecht



Loods San Francisco
The biggest storage in the world at the time



Decliniing industry of Katendrecht

### Who is FENIX II



migration storage



storage



commercial culture

Change of FENIX II

# Starting point

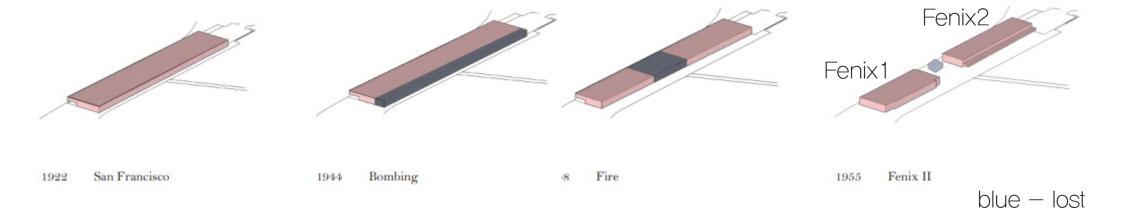
Transformation of FENIX II

## Transformation of FENIX II



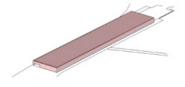
History of transformation

### Transformation of FENIX II



History of lost and rebuild and its characteristic FENIX II

How this history was reflected in the building?

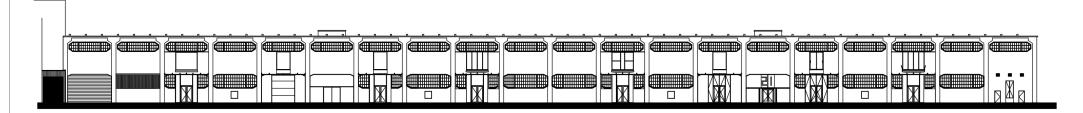








current south facade



PI A

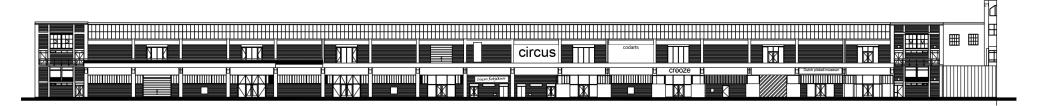


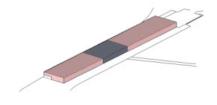


original north facade



current north facade

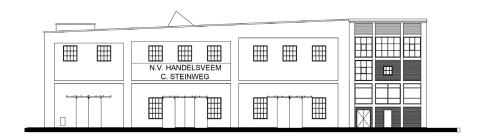


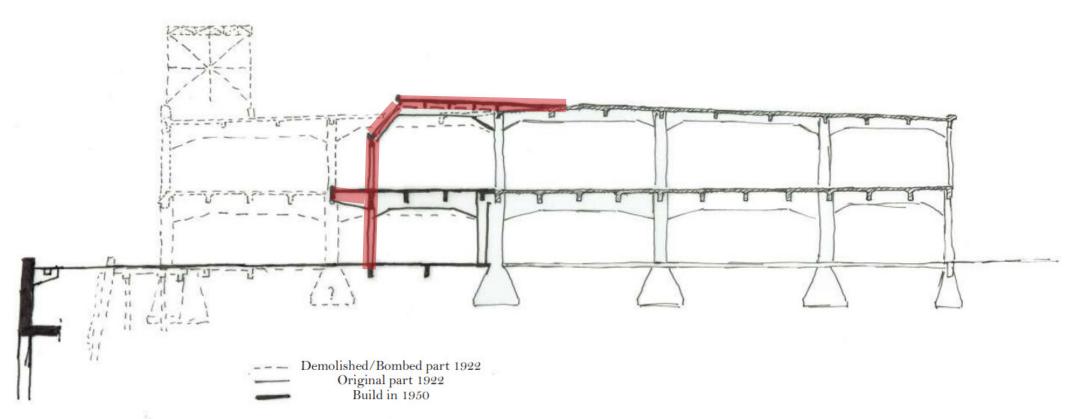




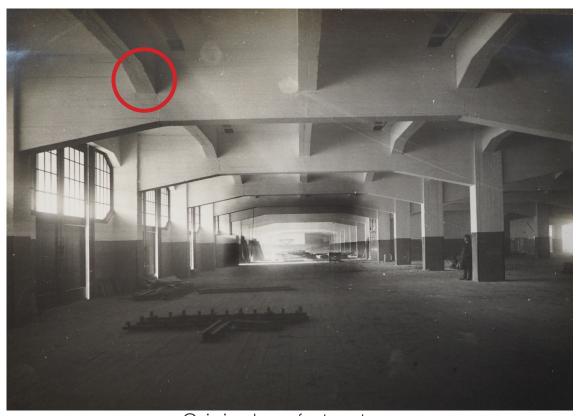


east facade





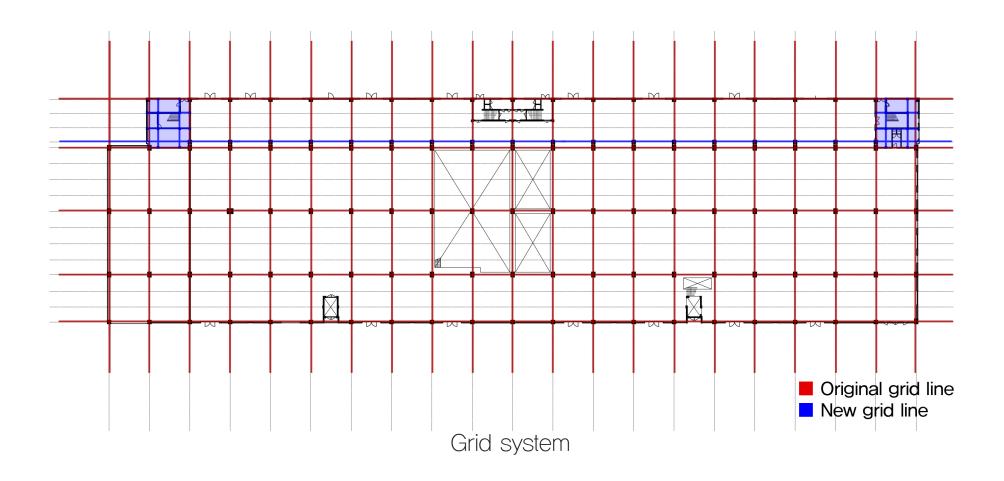
transpormation of structure

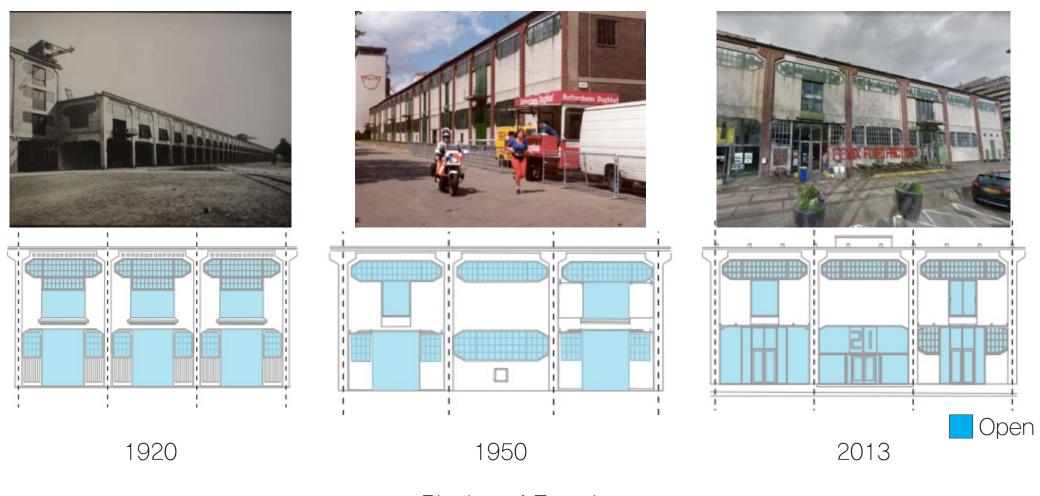


Original roof structure girder and beam are connected influenced by Hennebique system

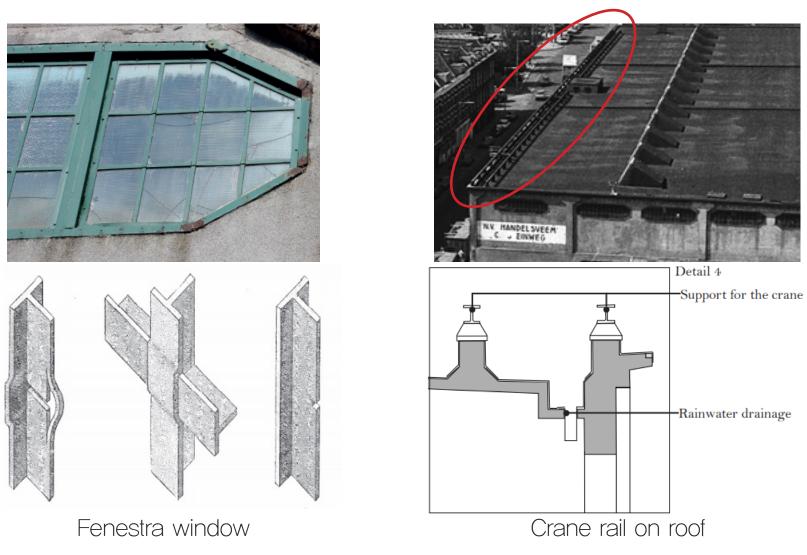


New roof structure beam on girder

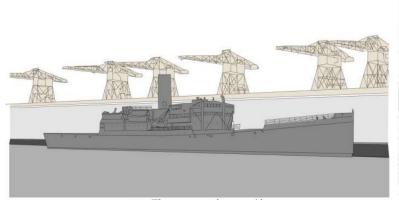


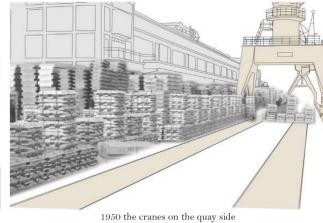


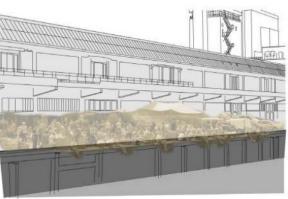
Rhythm of Facade and its transformation



Historical elements



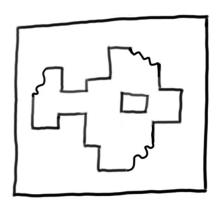




1922 The cranes on the quay side

2013 the full terrace on the water side

Connection to Maas river and its transformation

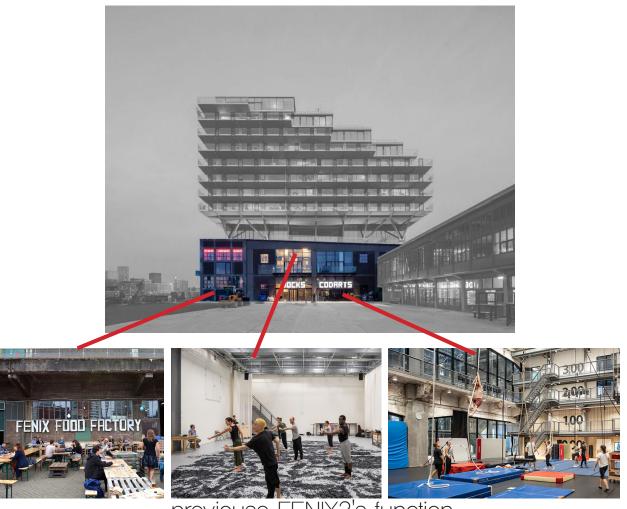


Mixed/damaged historical layers

How this history was reflected in the stie?



morphorlogy of development



FENIX I FENIX I

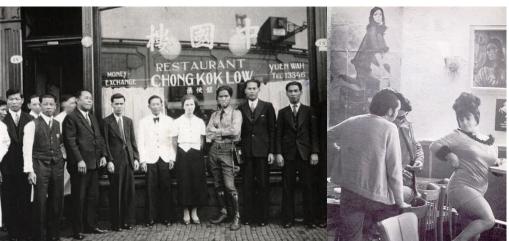
trace of past connection

previouse FENIX2's function

trace back to original FENIX



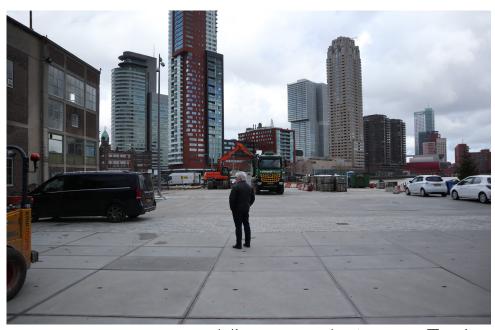
bridge to new world



bridge to different cultrue

bridge to future

FENIX as a bridge

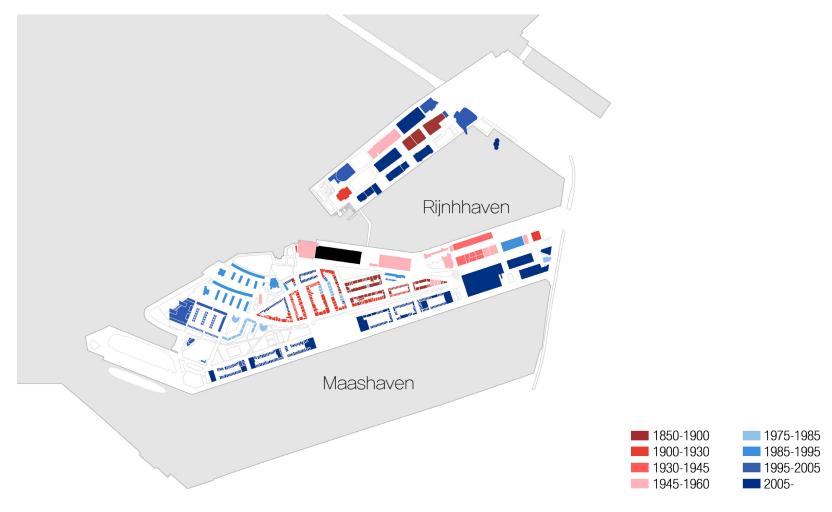


public space between Fenixs and connection to Wilhelmina pier, water



canteen Walhalla and Fenixs in 1950

new square and new cityscape

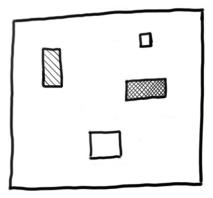


building age and street network



Deliplein and San Francsico

Deliplein center of street network



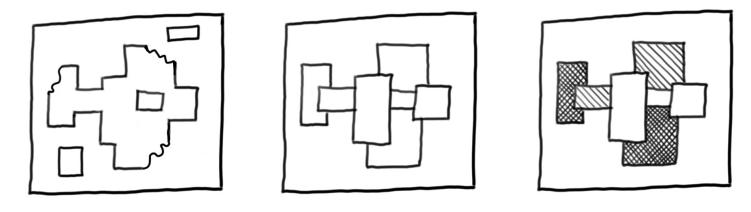
Fragmented historical layers

Heritage statement

## Fenix2 is valuable because...

It has hitorical layers connecting past and present, giving history life.

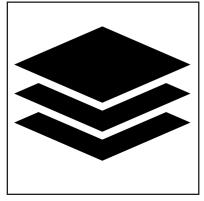
It has traces showing root of building and site.



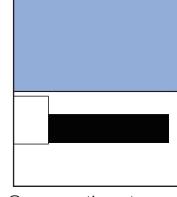
Overlapping of layers by restoring and adding coexisting of past-present-future

### Heritage statement

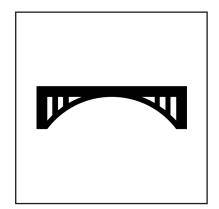
# what to keep?



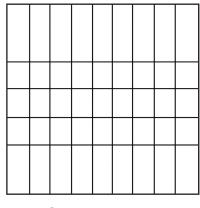
Historical layers



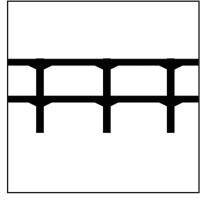
Connection to water and street



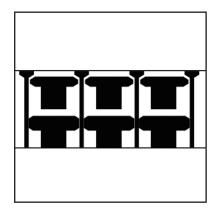
Bridge symblic image



Grid system

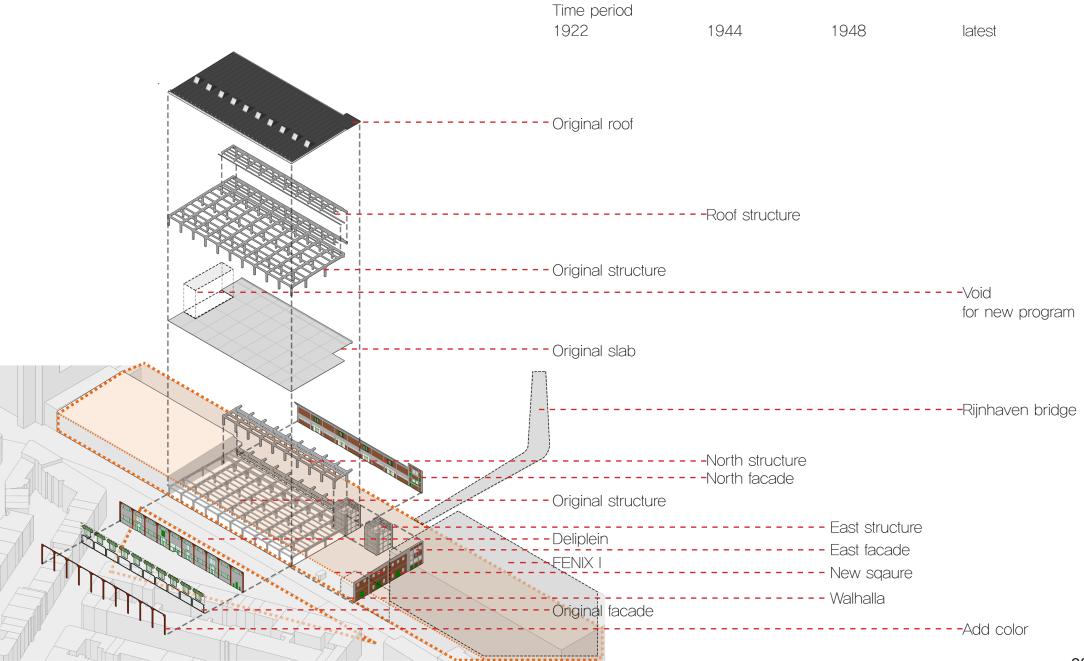


Structure



Repetitive rhythm

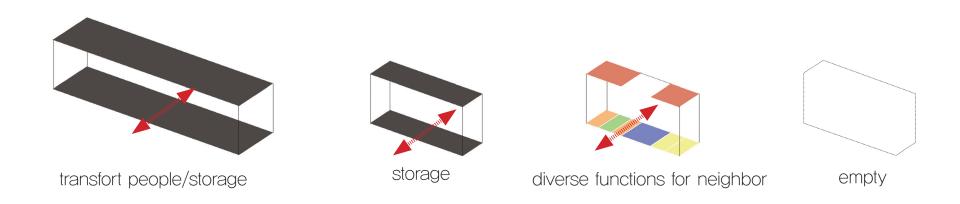
### conclusion

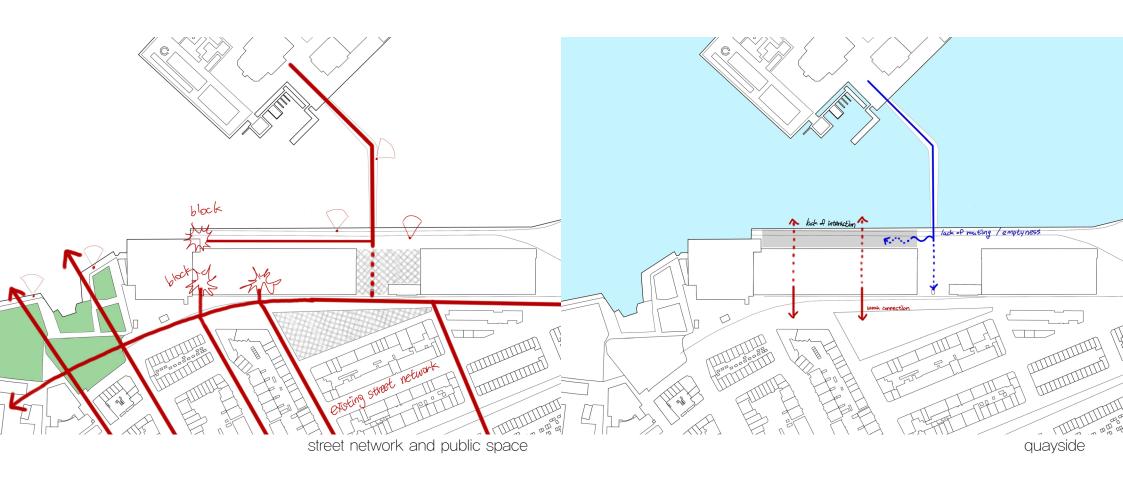


# Present/Social situation

Site and program research

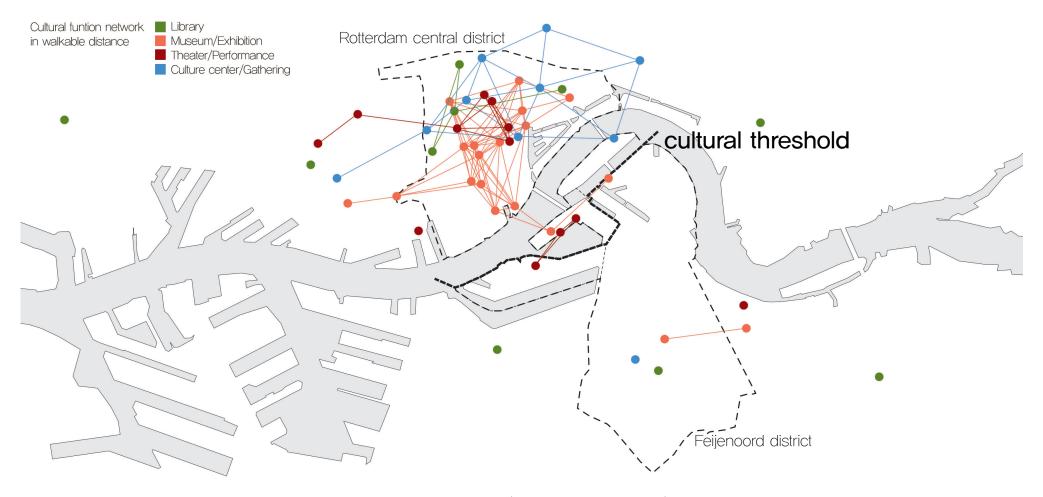
## Site research





Disconnection and blockage

### Site research



Cultural network (north/south of river)

Cultural bridge required



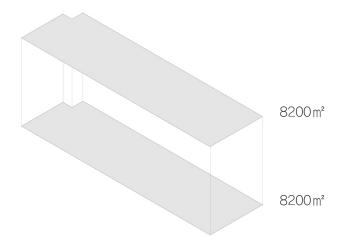
Possiblities FENIX I / Squares and green / Unique ambience



Future plan: Fenix2 will be turned into migration museum

• • •

is this enough?



How to fill this huge empty building?

...

It can be a bridge to neighbor, culture, world

## Program research

Reference project: Fenix food factory





marketplace

square

Marketplace as cultural node market can be extended to square

## Program research

meaning of the place: bridge to the new world



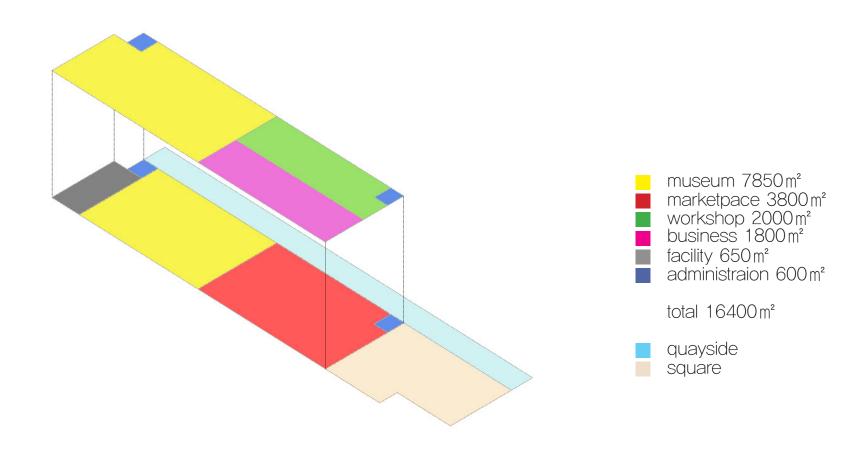
Social node for people with different roots culture/workshop/education/support

## Program research

Reference project: Watershed

Business incubator as social node/catalyst

#### Conclusion

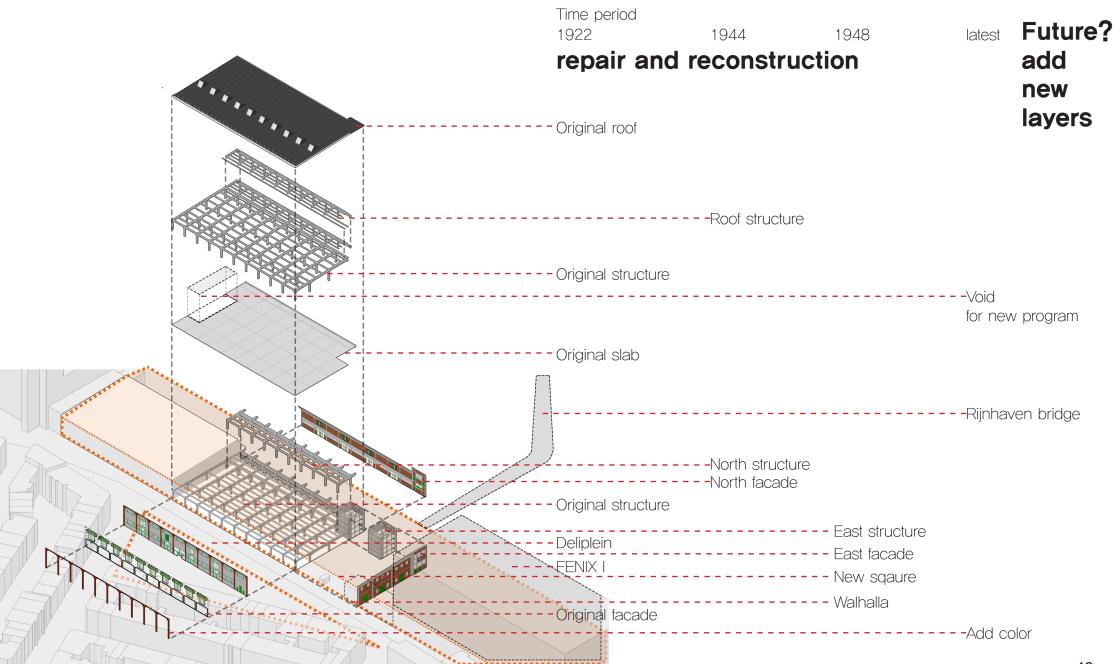


Diverse culture spaces as frontyard of the Museum

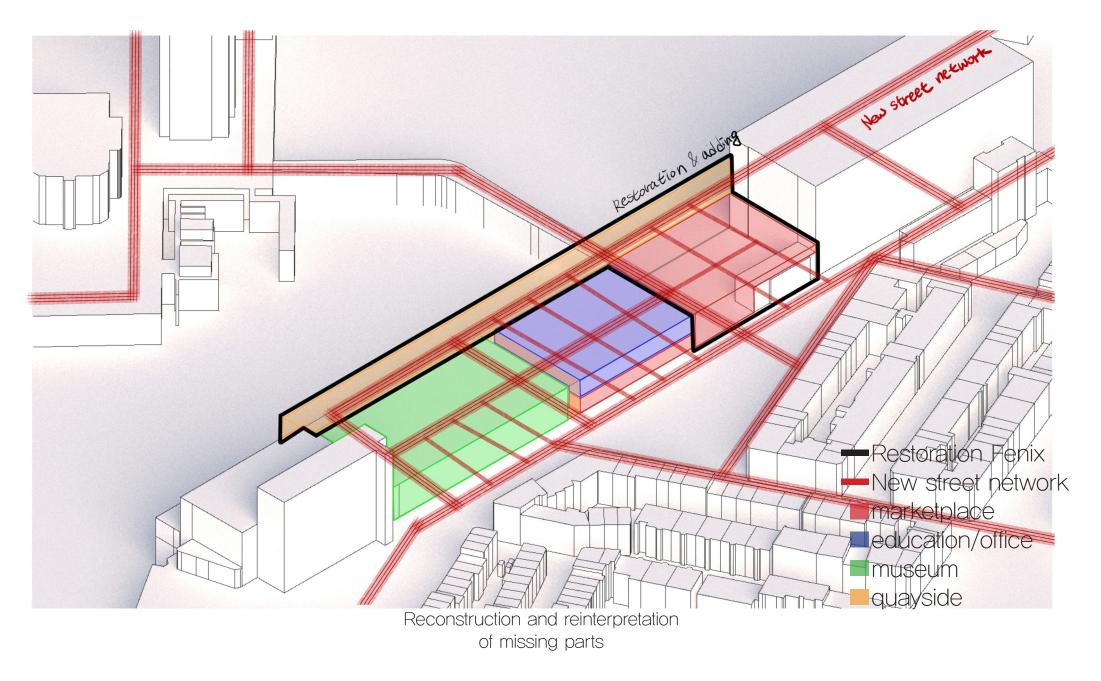


## Design Scheme

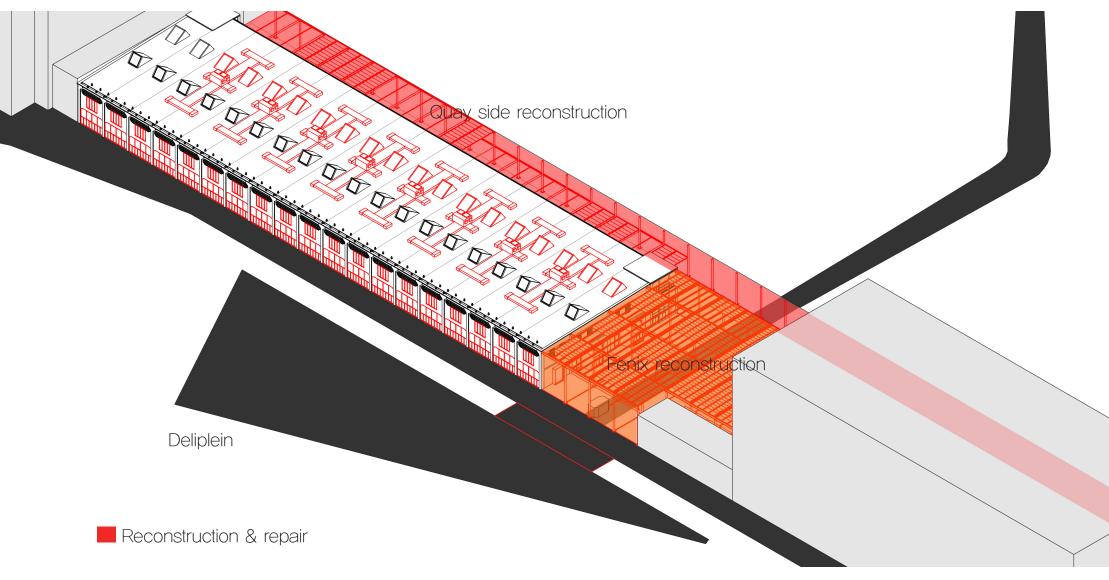
How to make interventions to become a bridge to the future?



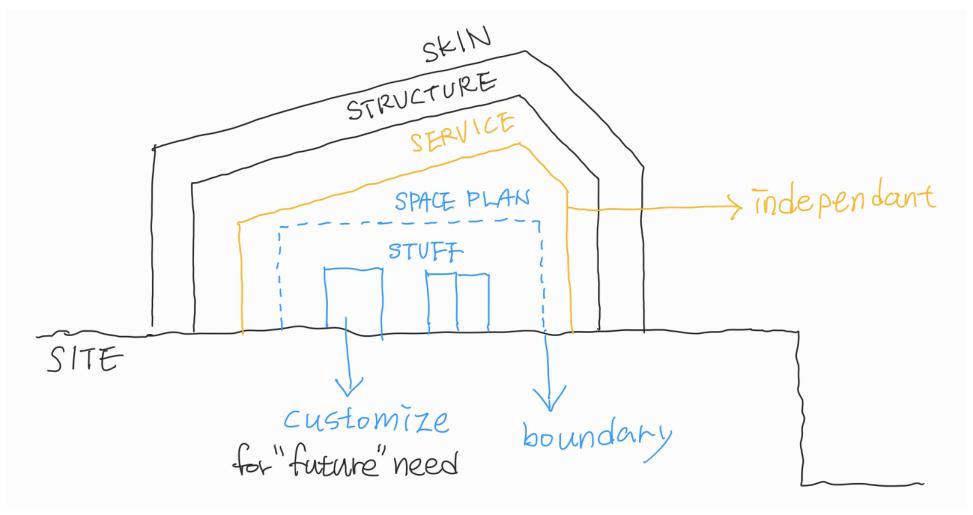
#### Reconstruction



#### Reconstruction

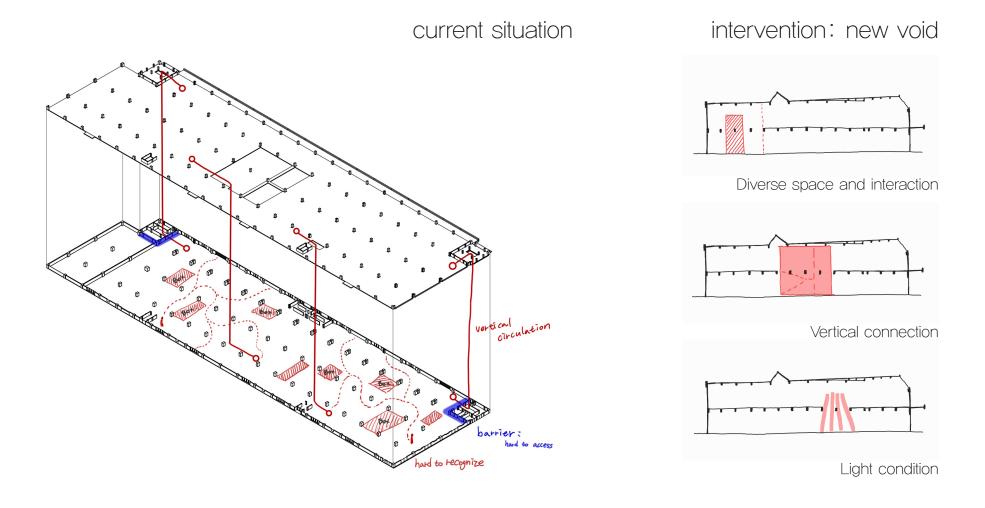


Repair and reconstruction of historical layers



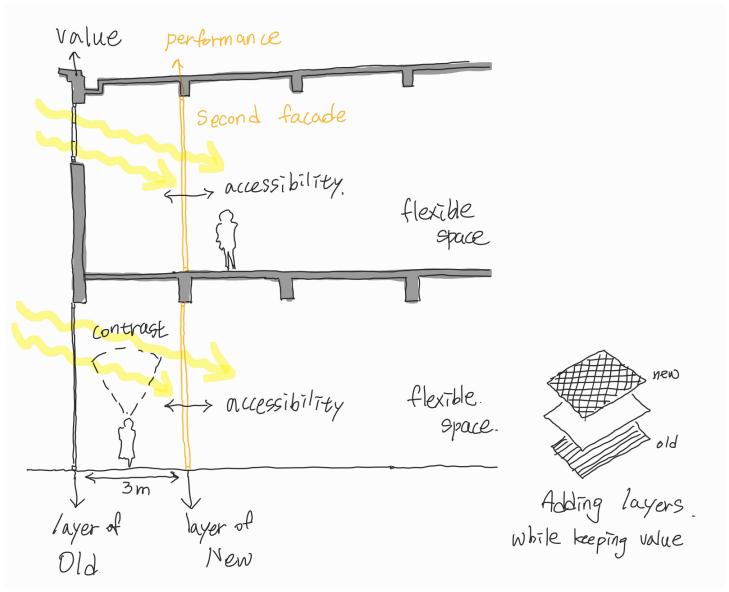
Brand's shearing layers

#### Intervention

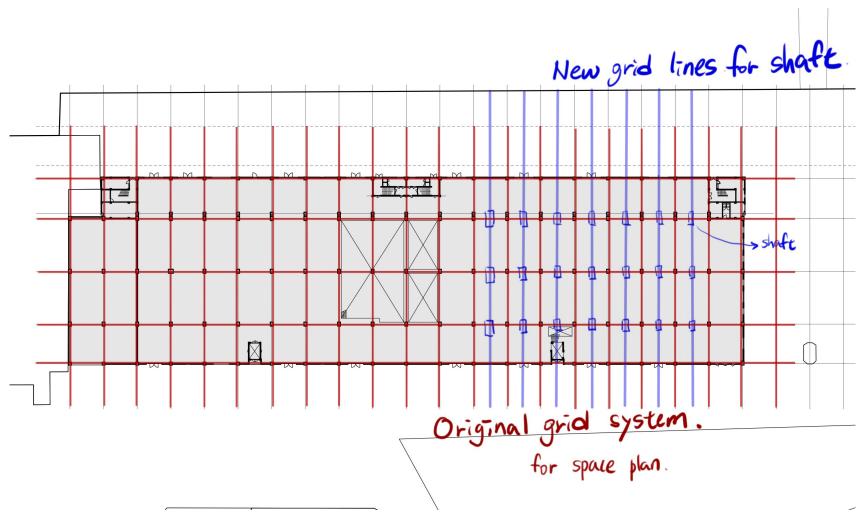


it requires new vertical interaction

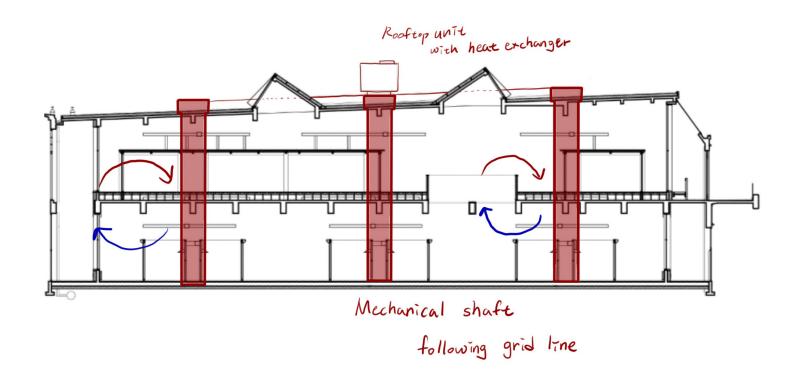
#### Adding new layers: second facade



Second facade



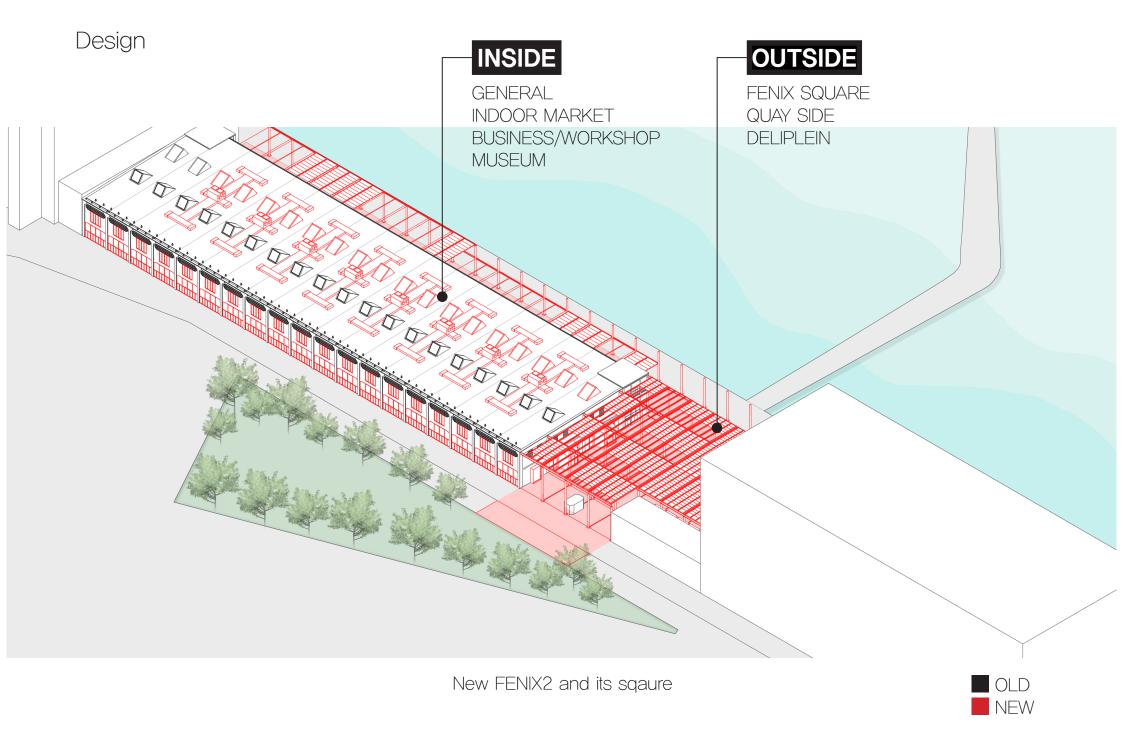
Following original grid system



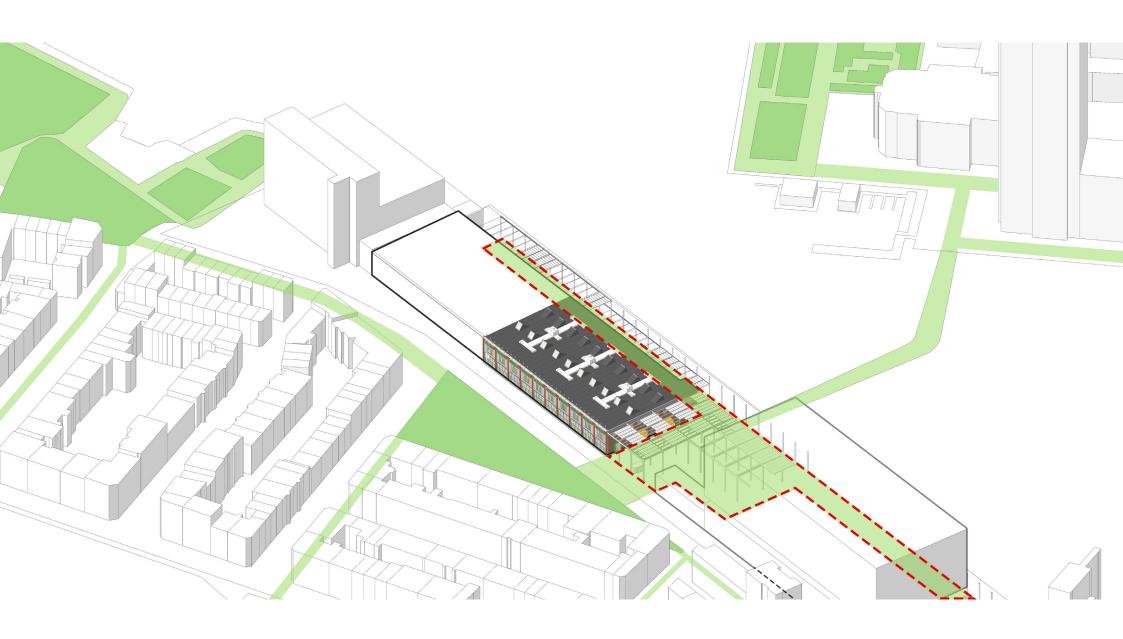
Vertical shaft for service layer and flexible space plan layyer

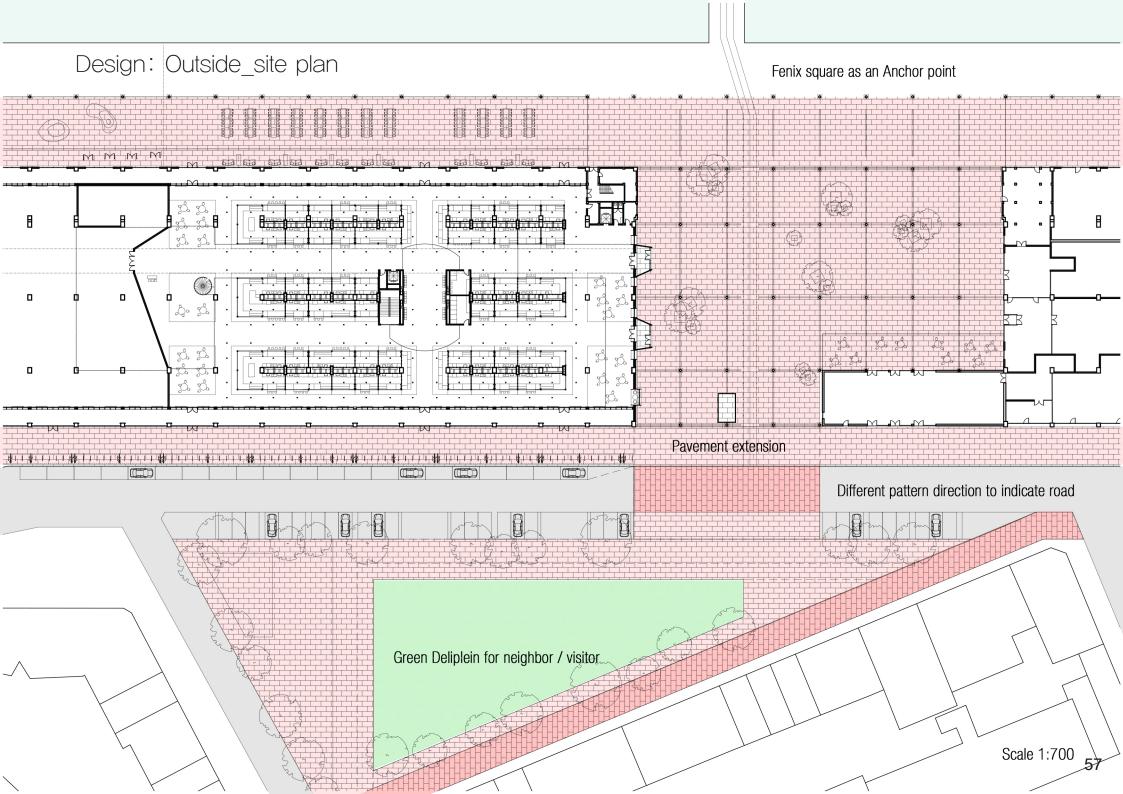
# Design

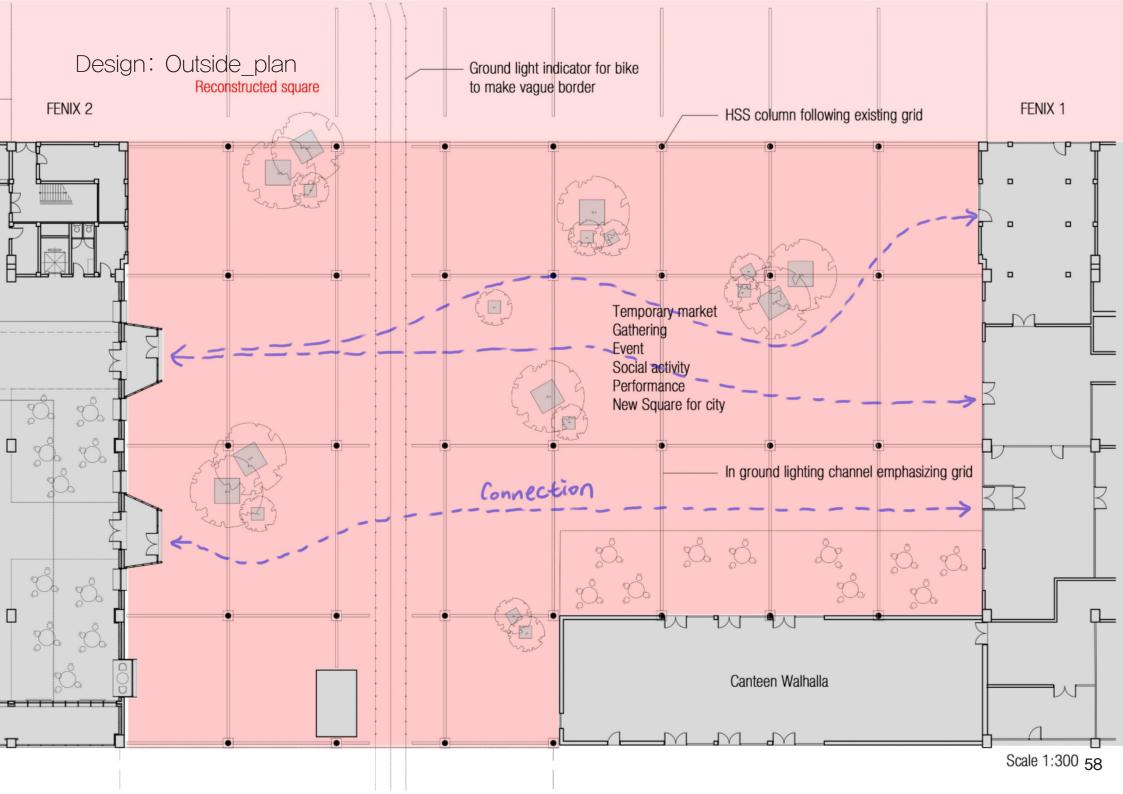
How did these ideas realized in architecture?



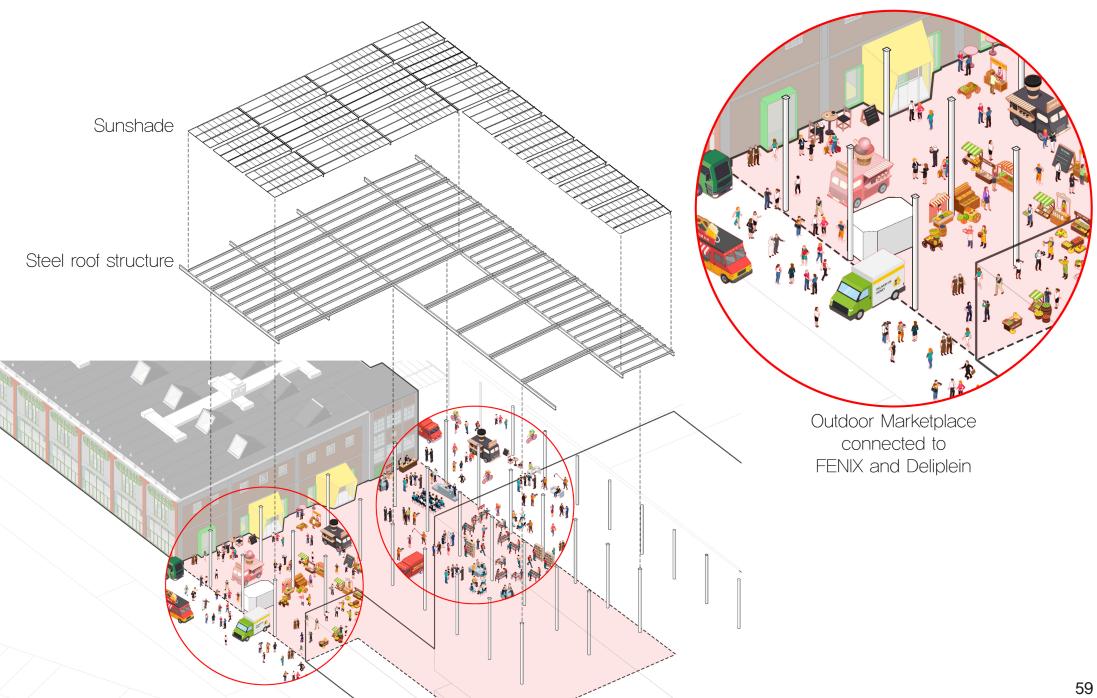
Design: Outside



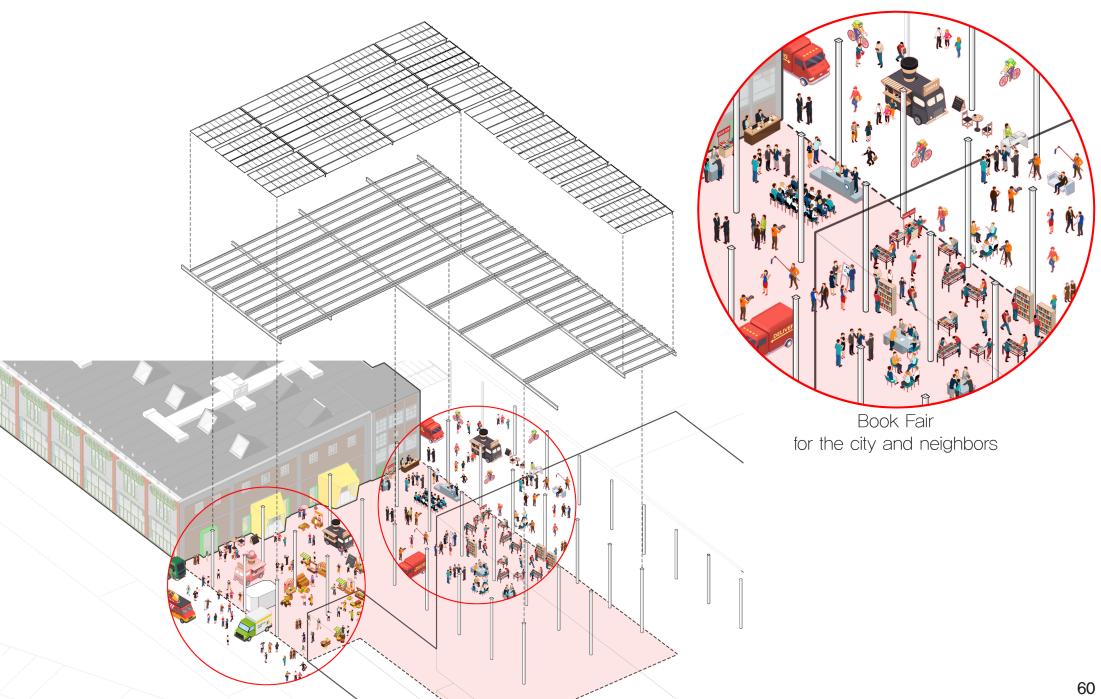




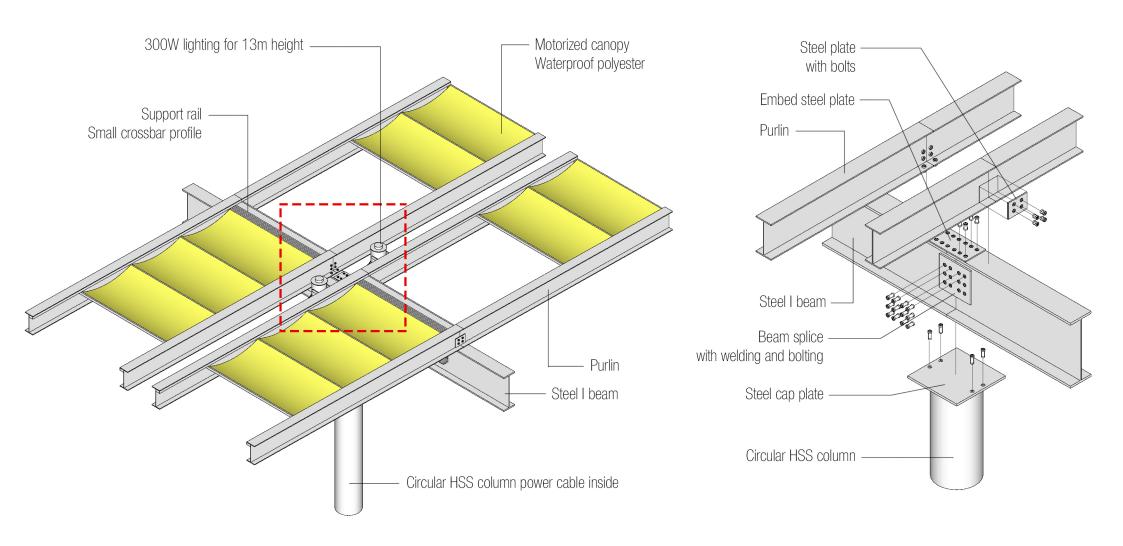








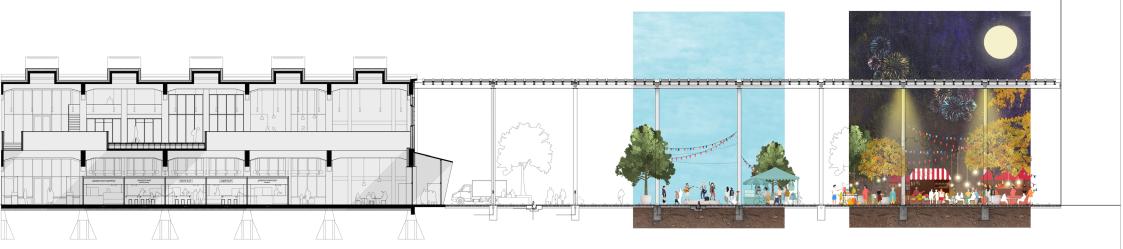
#### Design: Outside\_new column structure

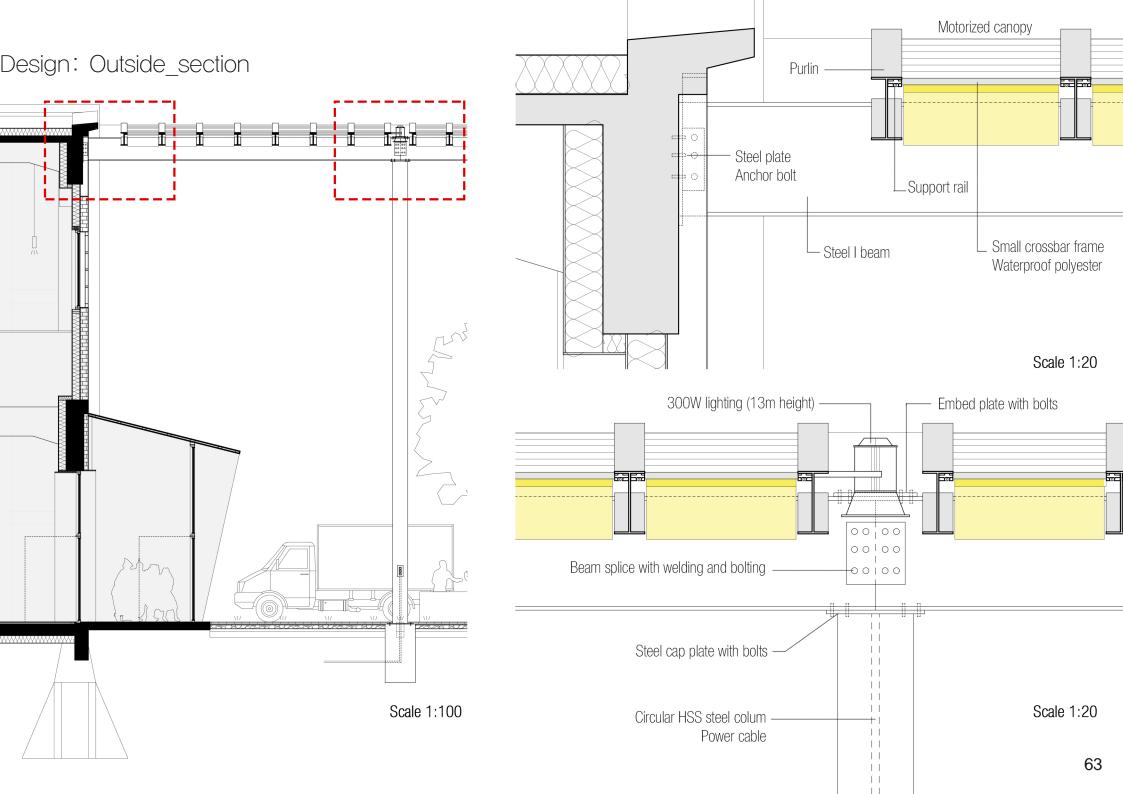


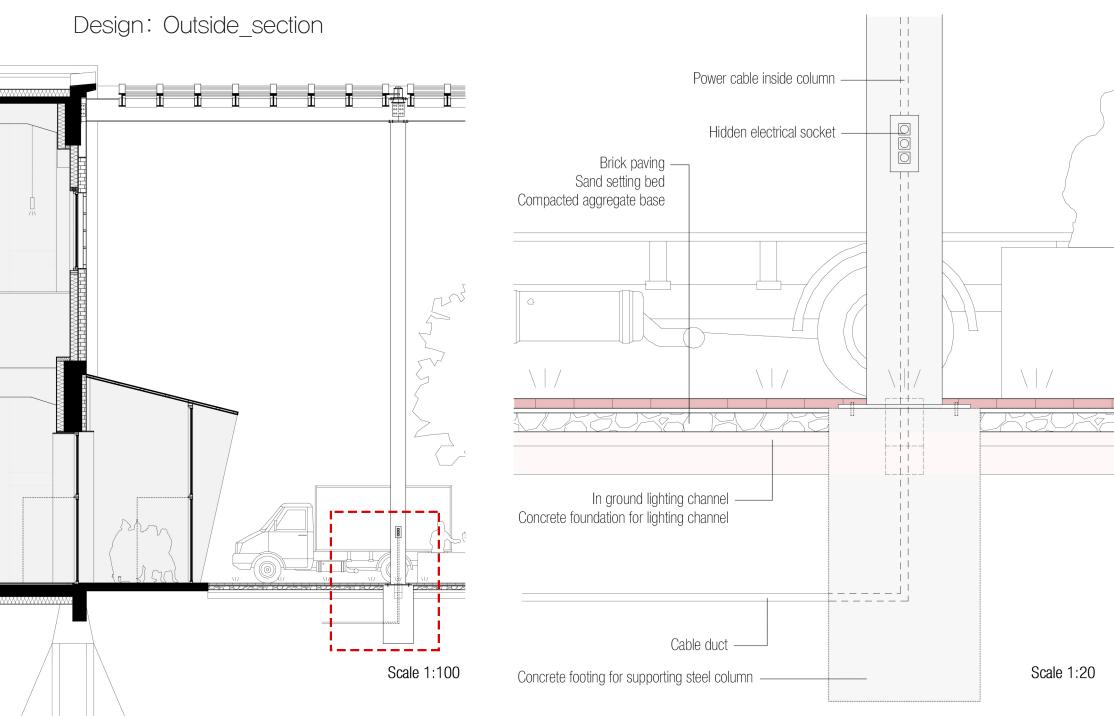
Lighter, Thinner structure than original huge concrete structure

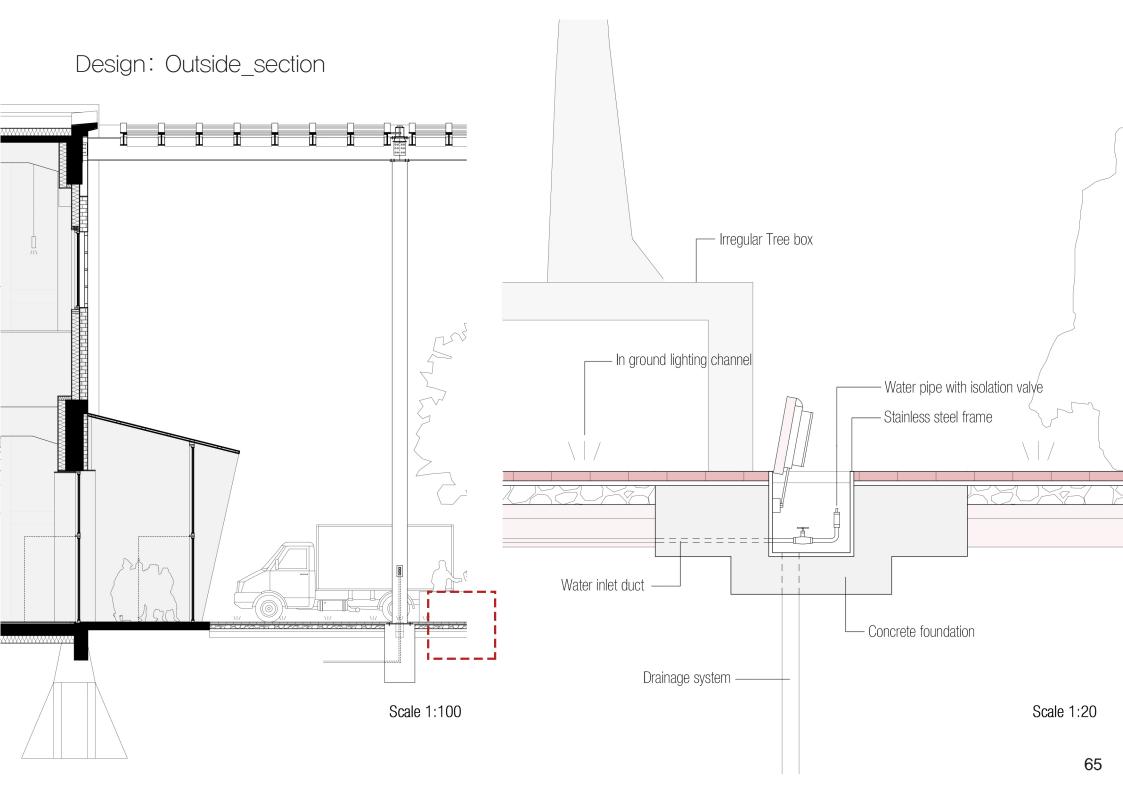
Contrast with original stucture (Hennebique system)
Separate / Monolithic

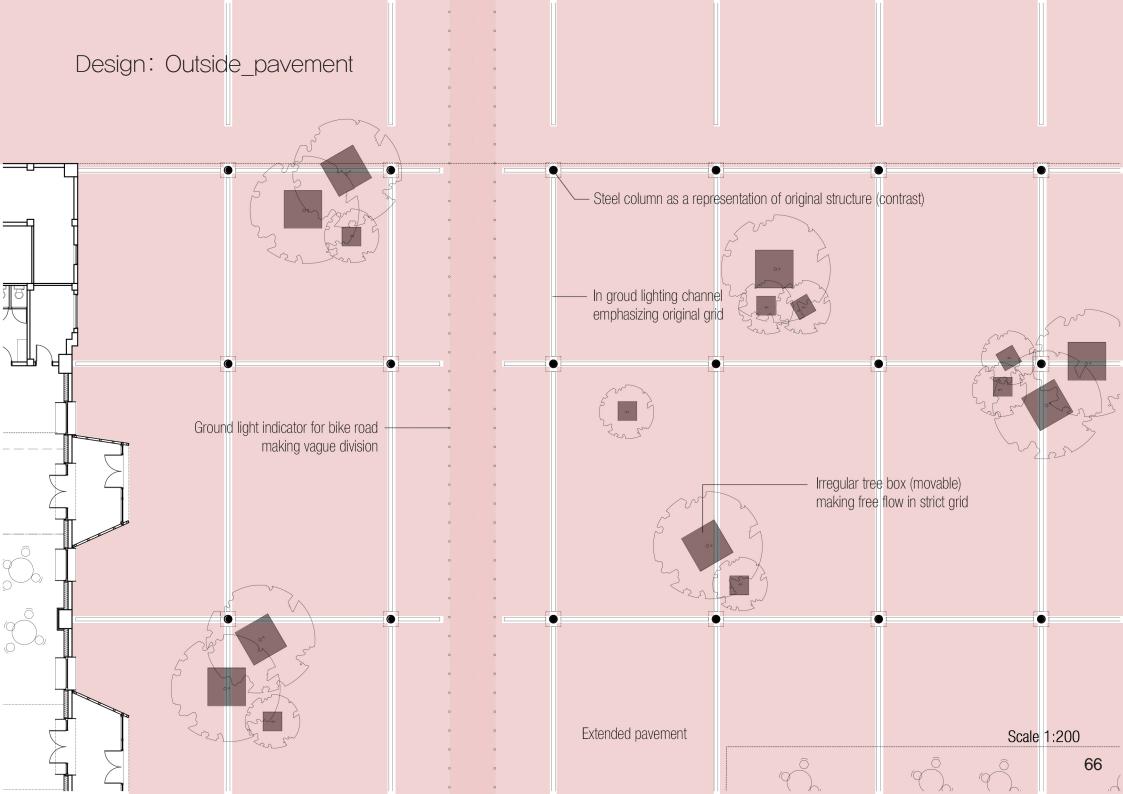
Design: Outside\_section









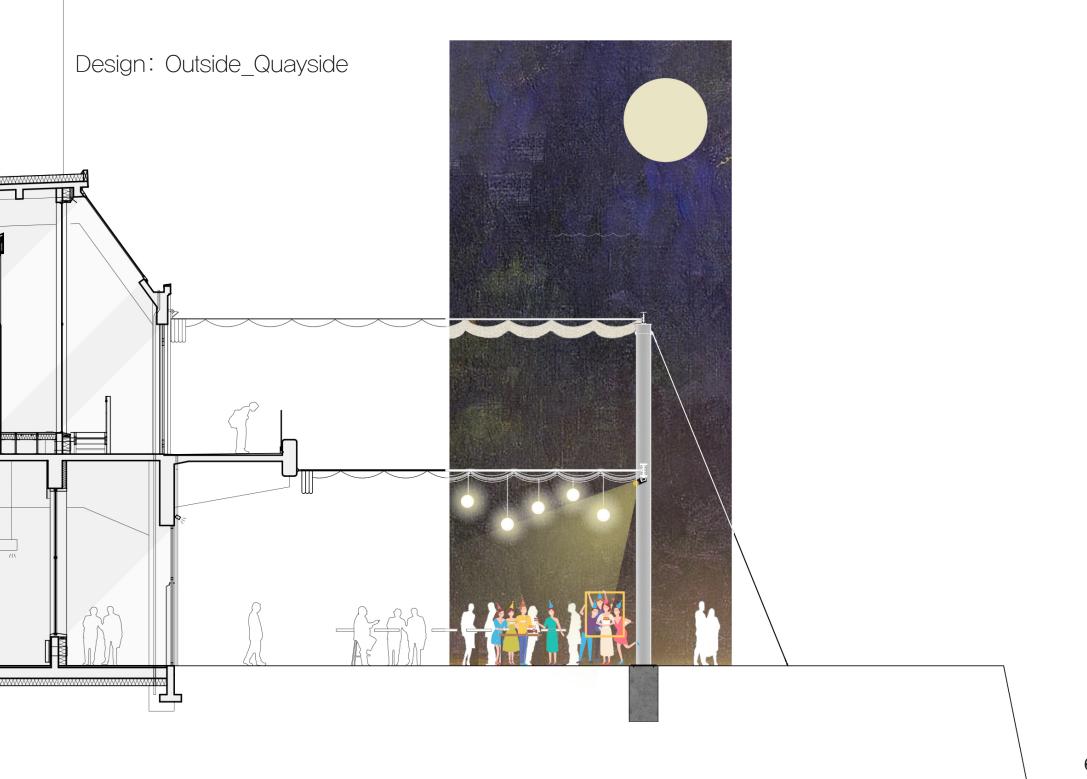


Design: Outside

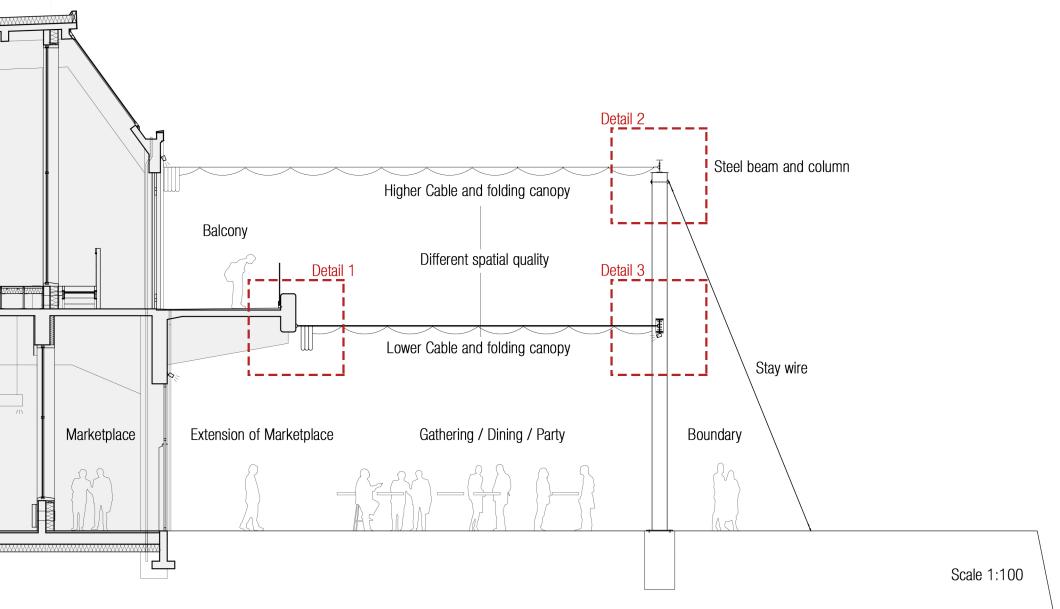


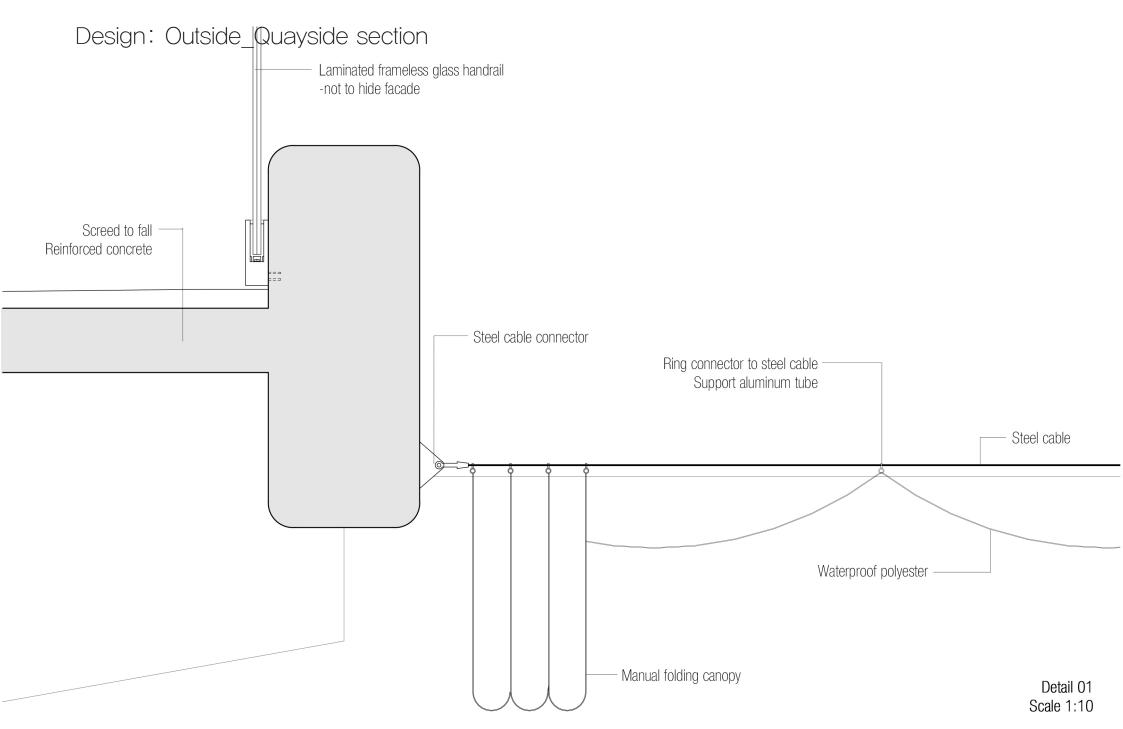
Design: Outside

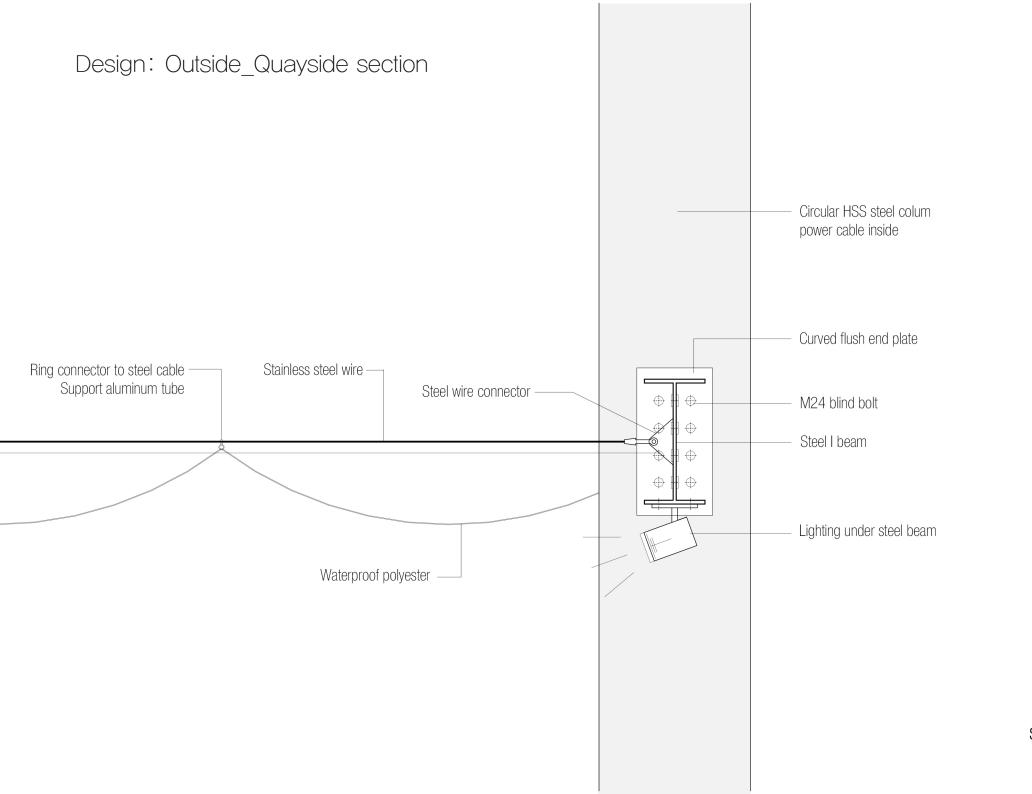




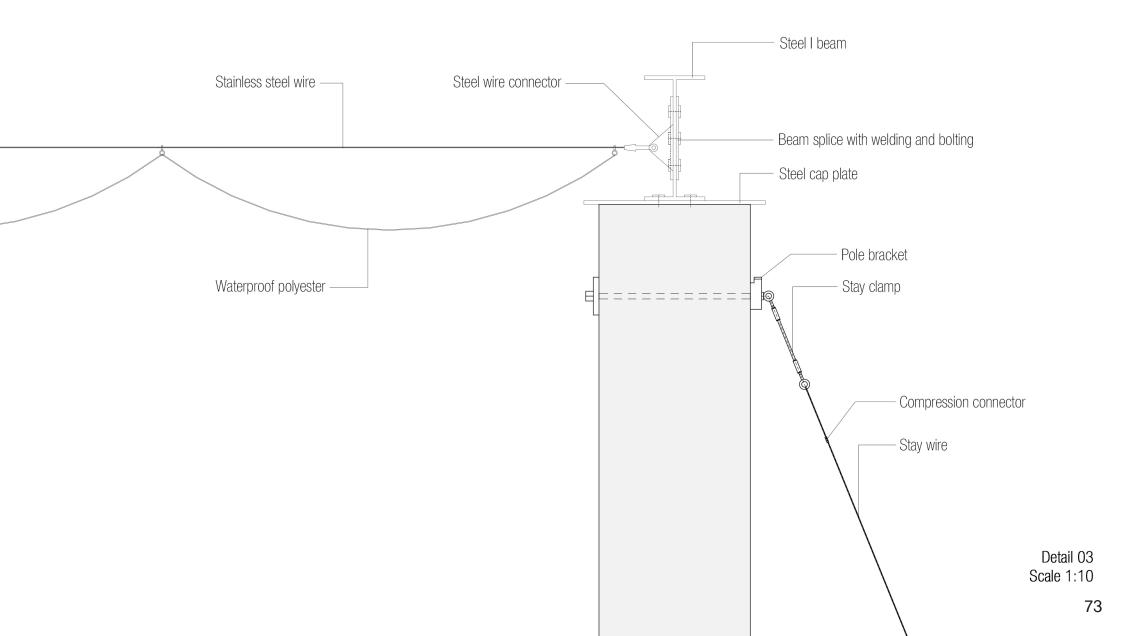
Design: Outside\_Quayside section

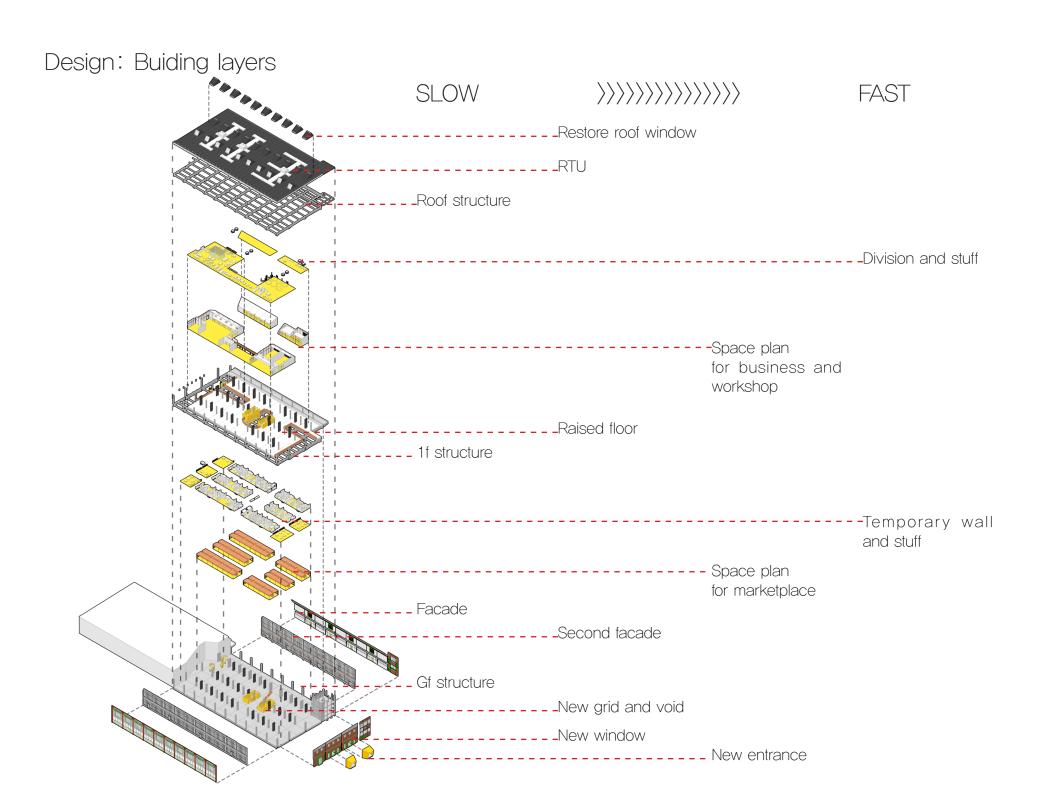




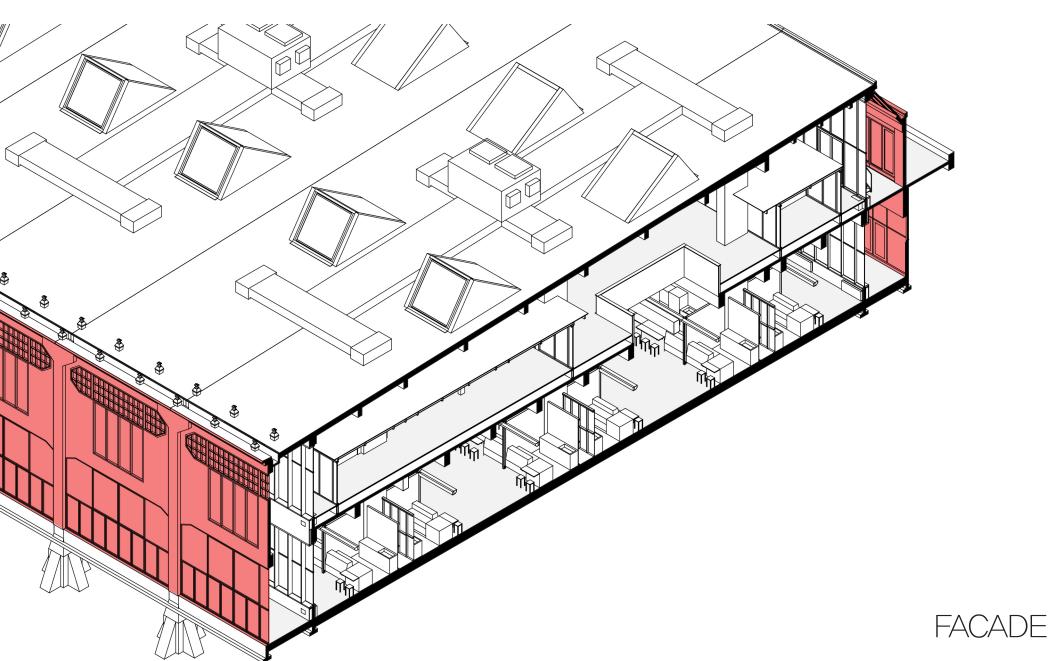


## Design: Outside\_Quayside section





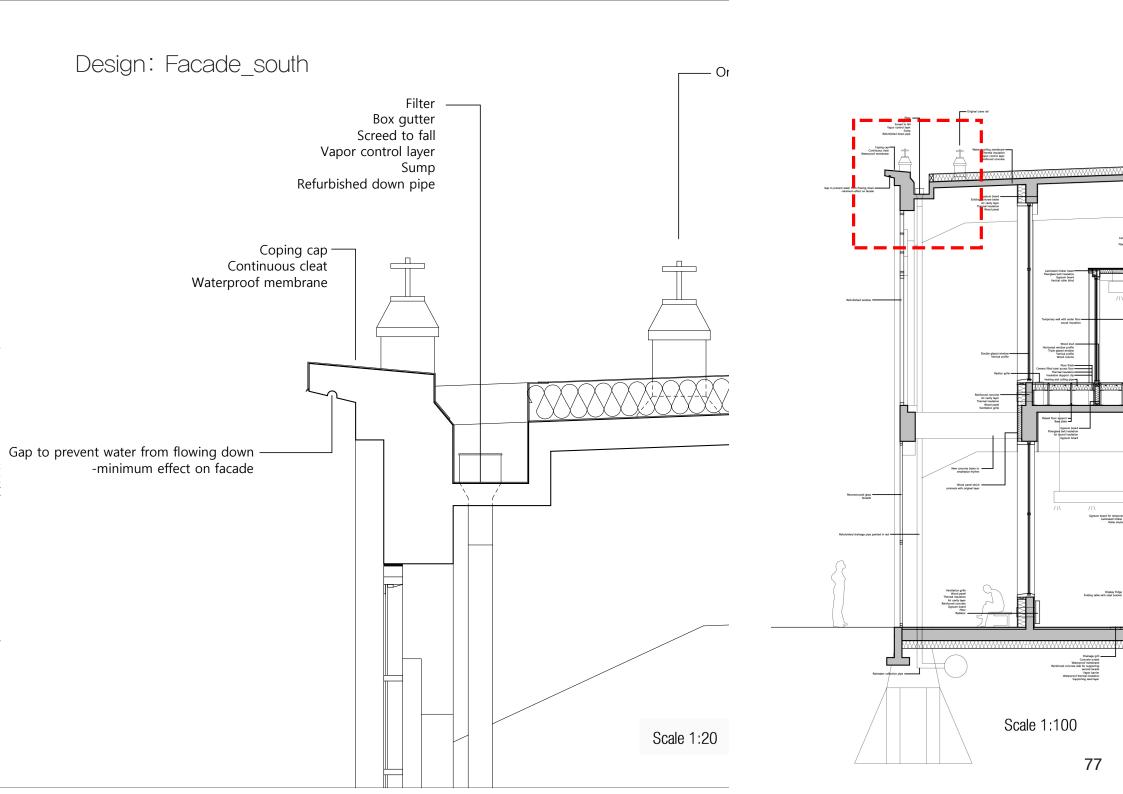
Design: Facade



Design: Facade\_south



Scale 1:300

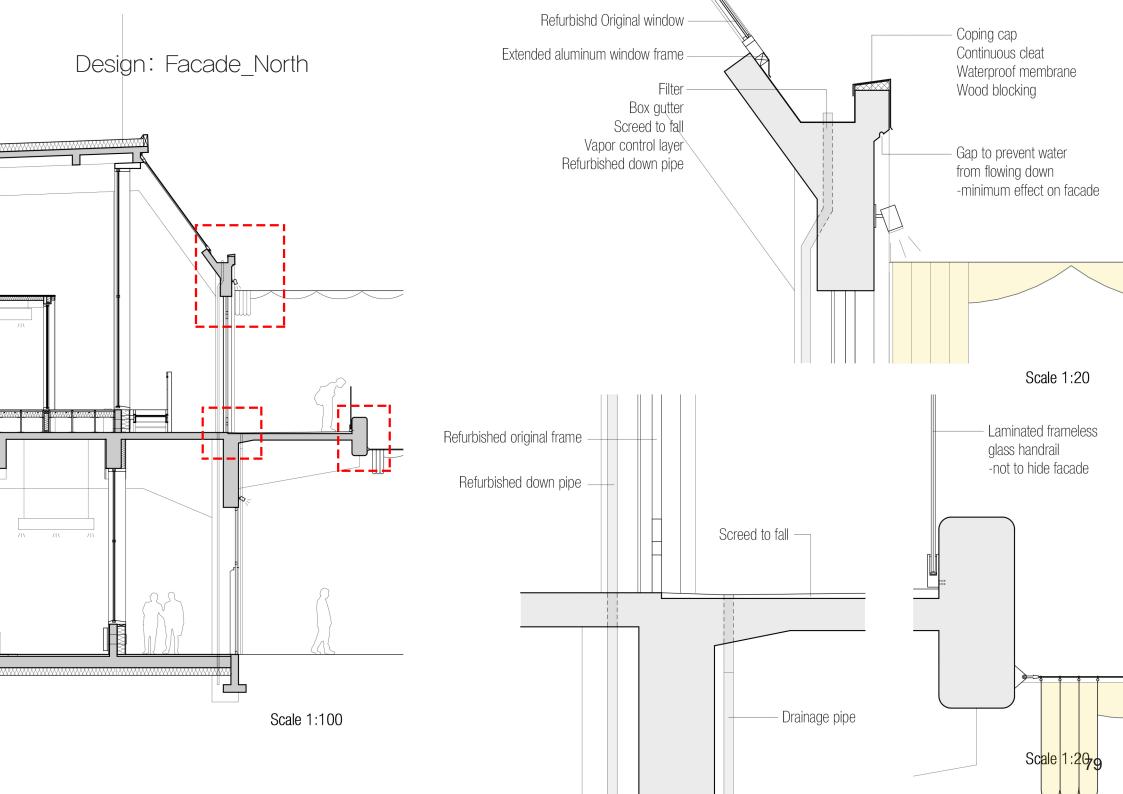


## Design: Facade\_North





Scale 1:300



Design: Facade\_East



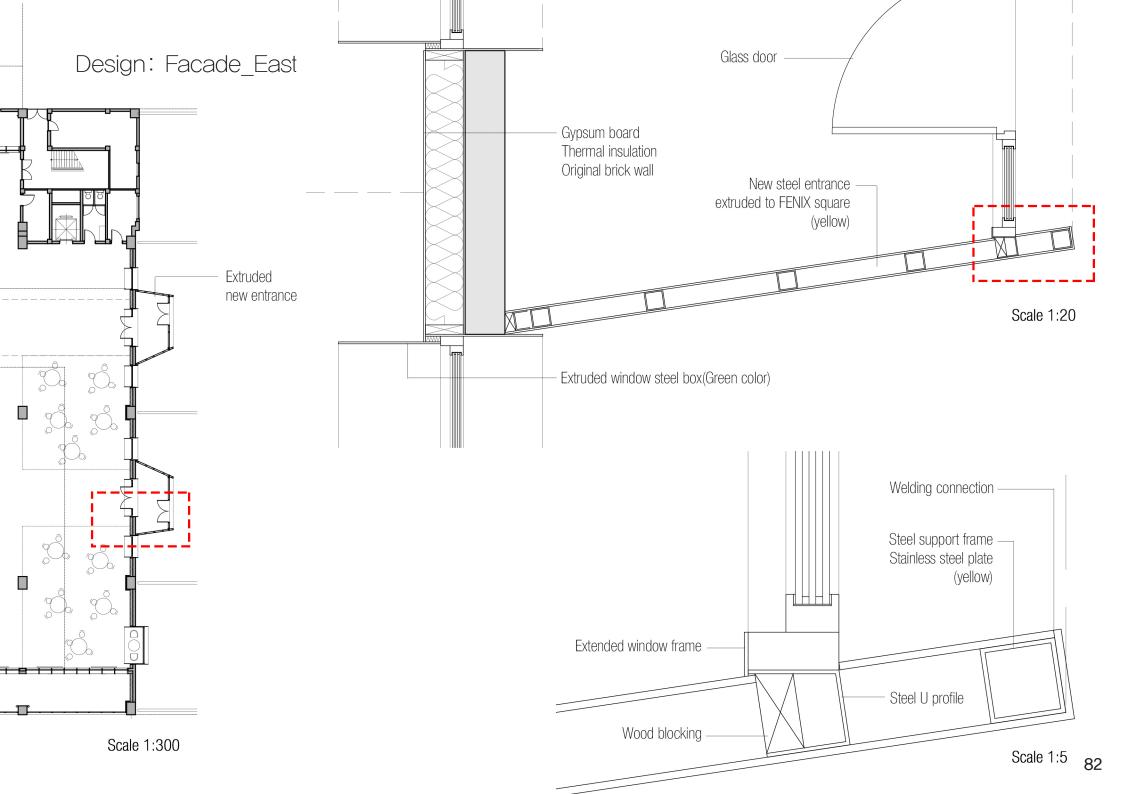
Scale 1:300

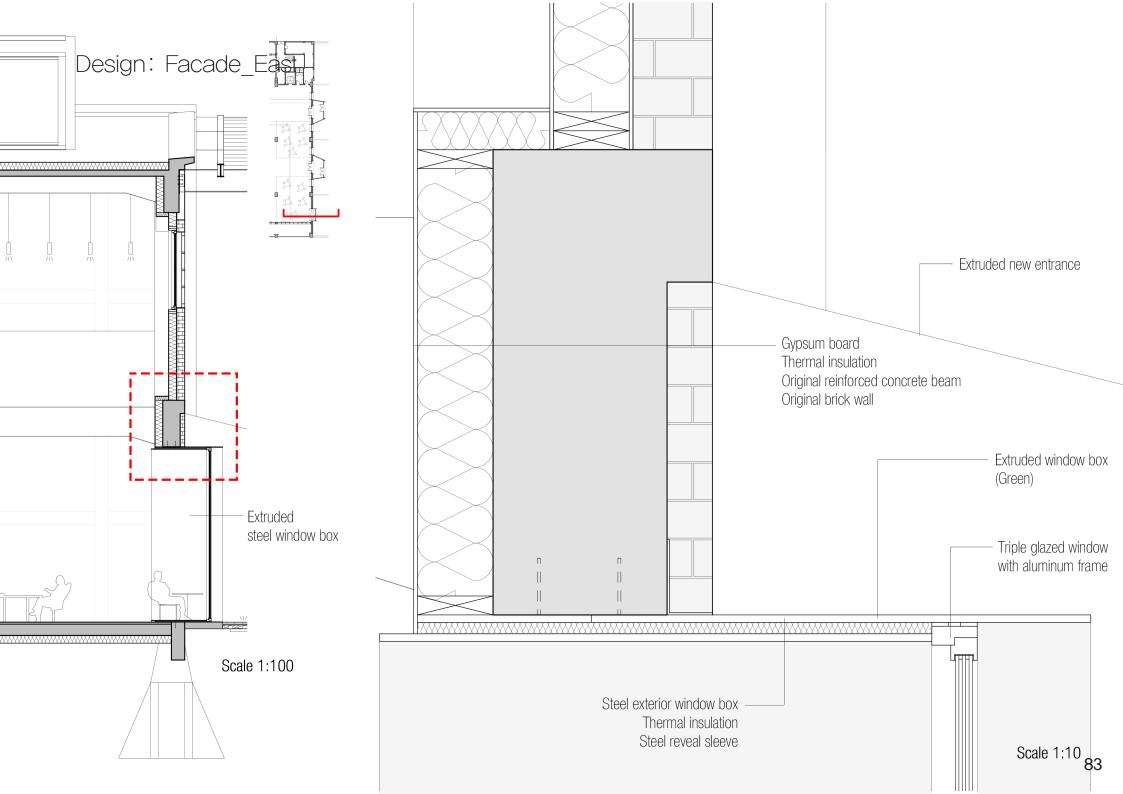
East facade and its own proportion

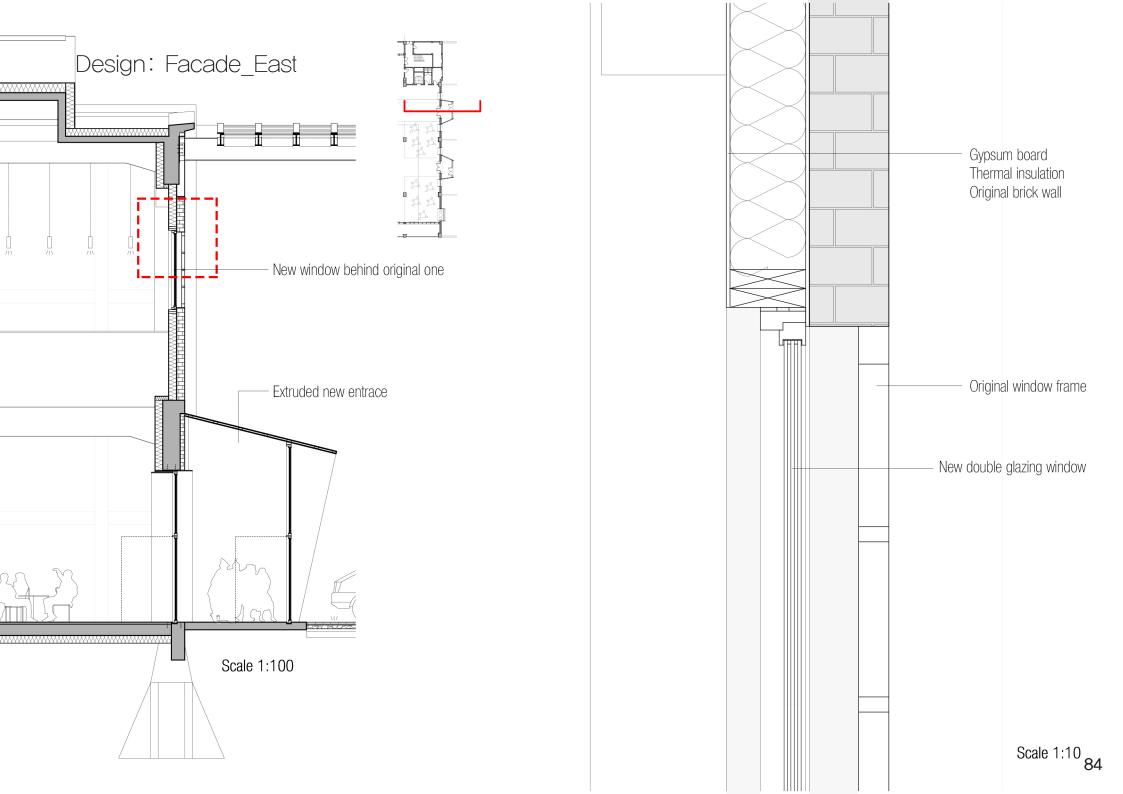
Design: Facade\_East



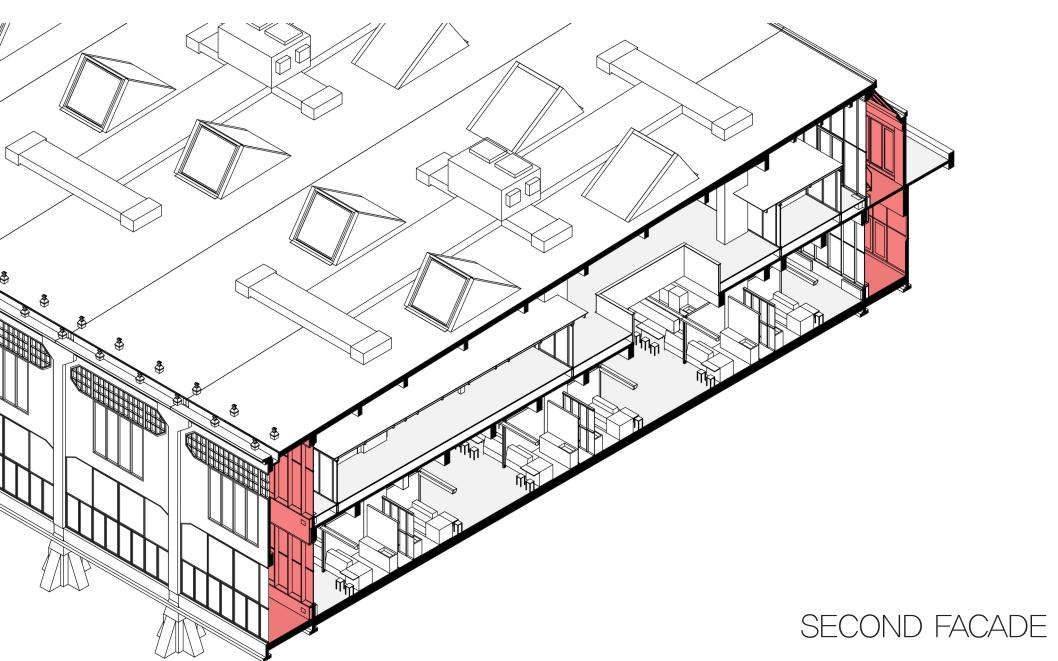
following proportion and adding new layer

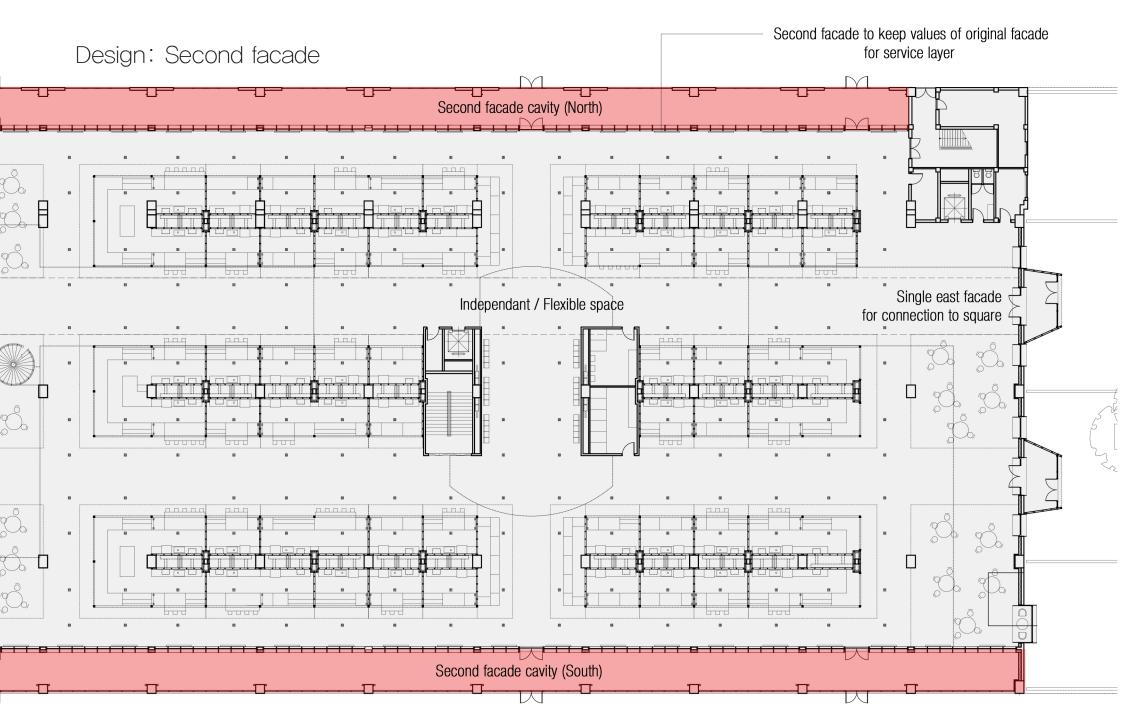


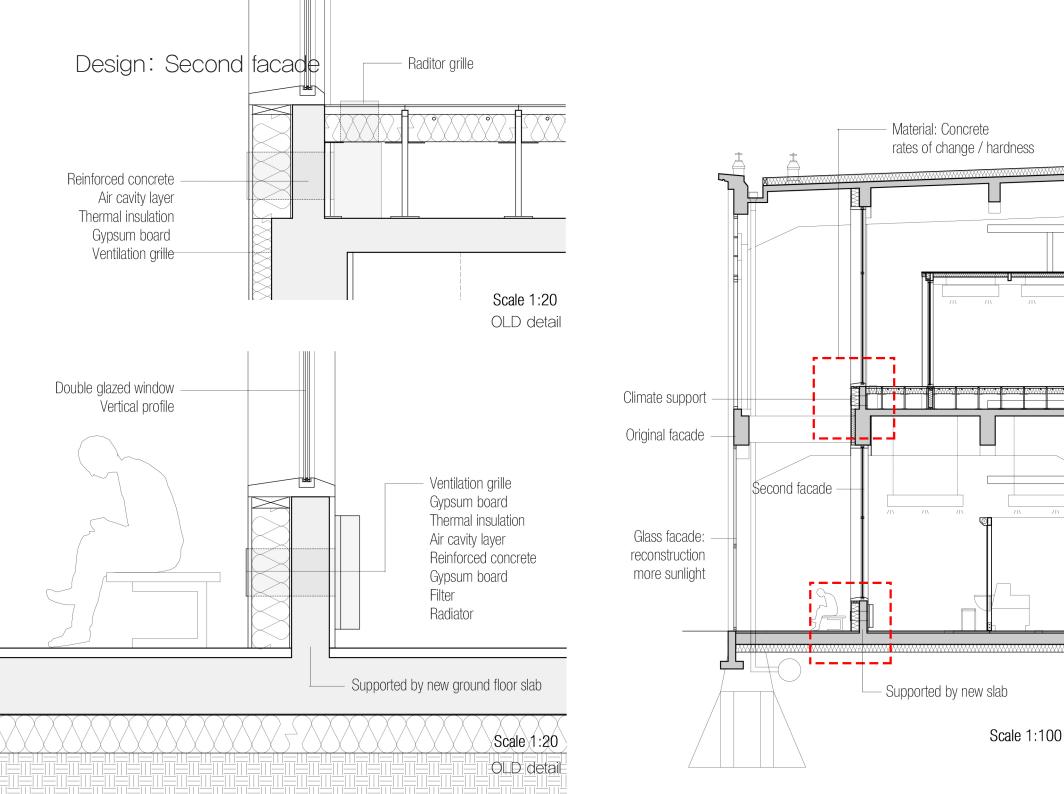


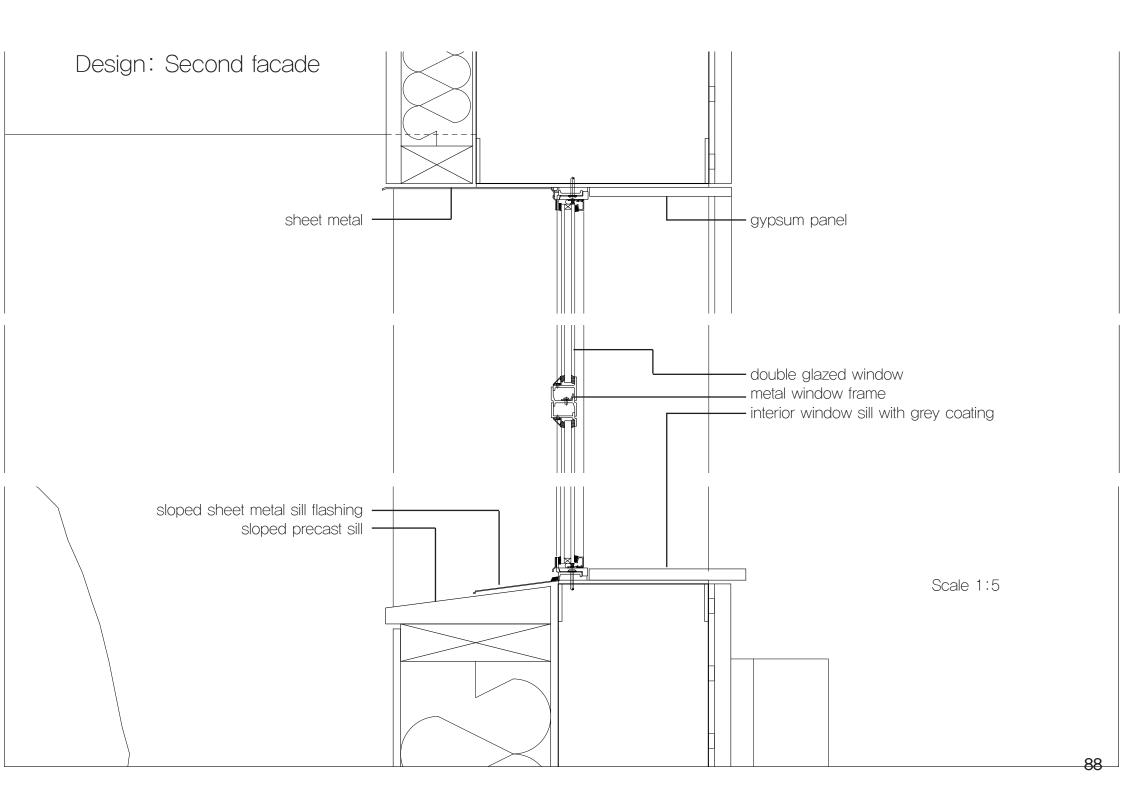


Design: Second facade

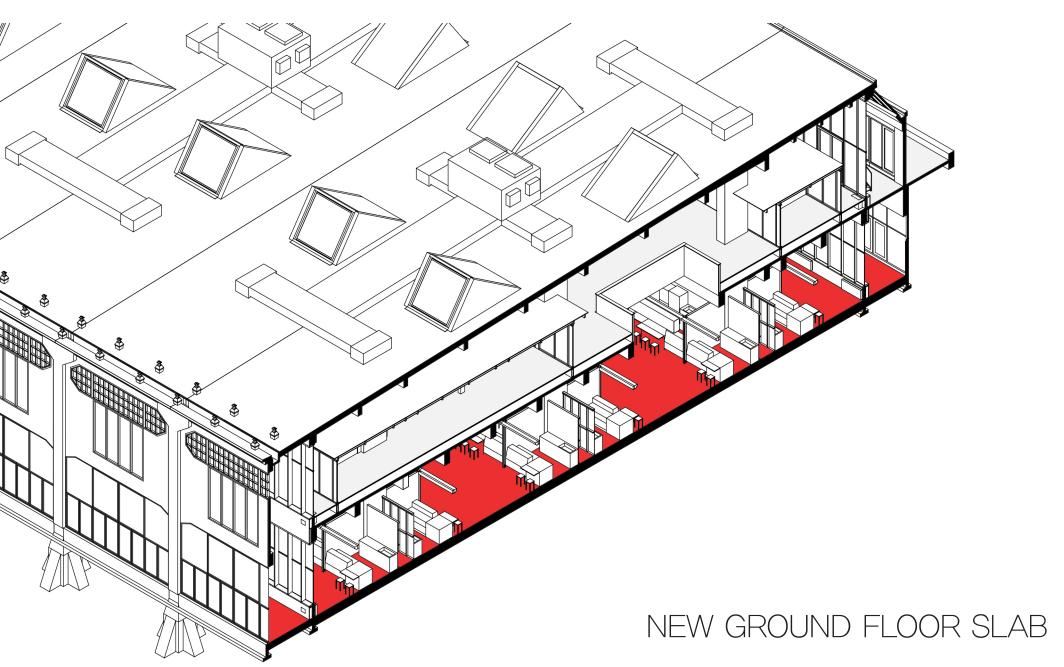


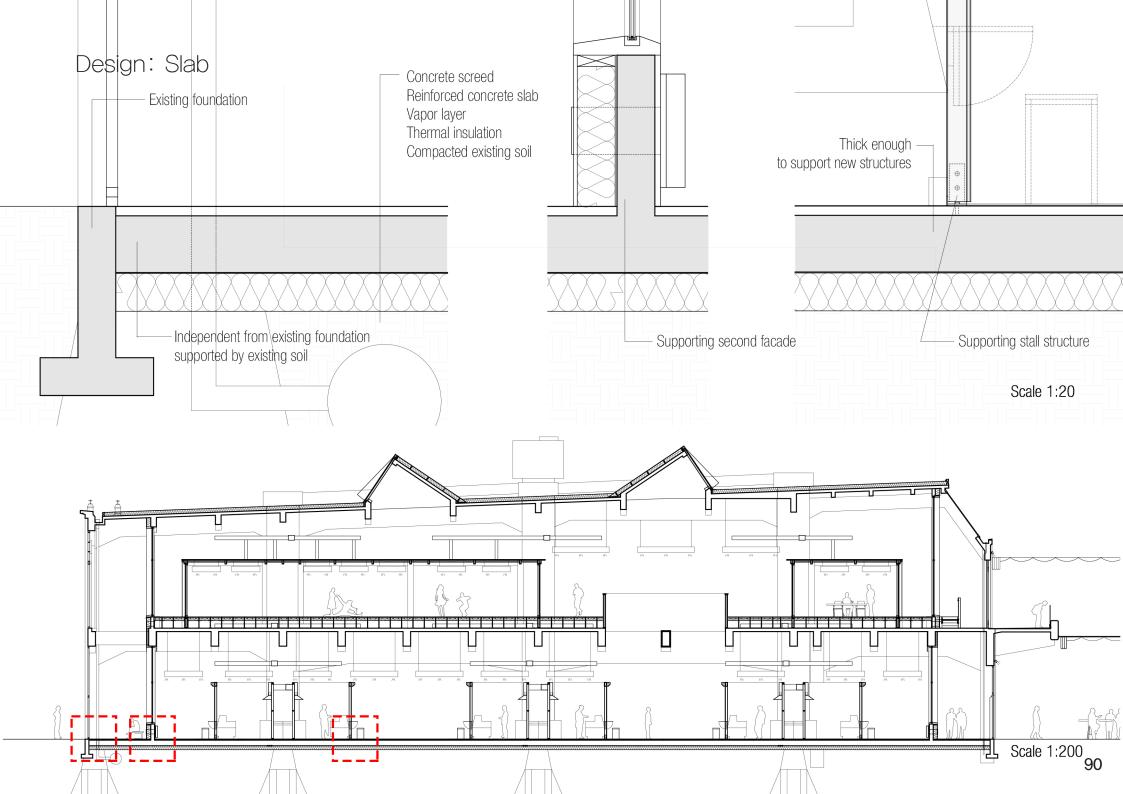




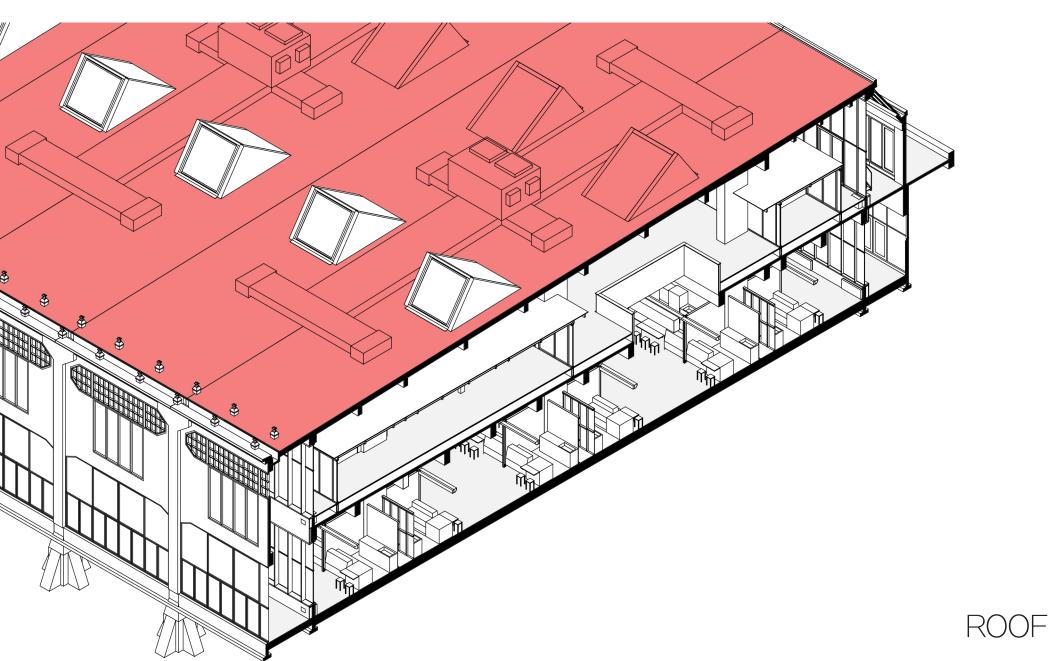


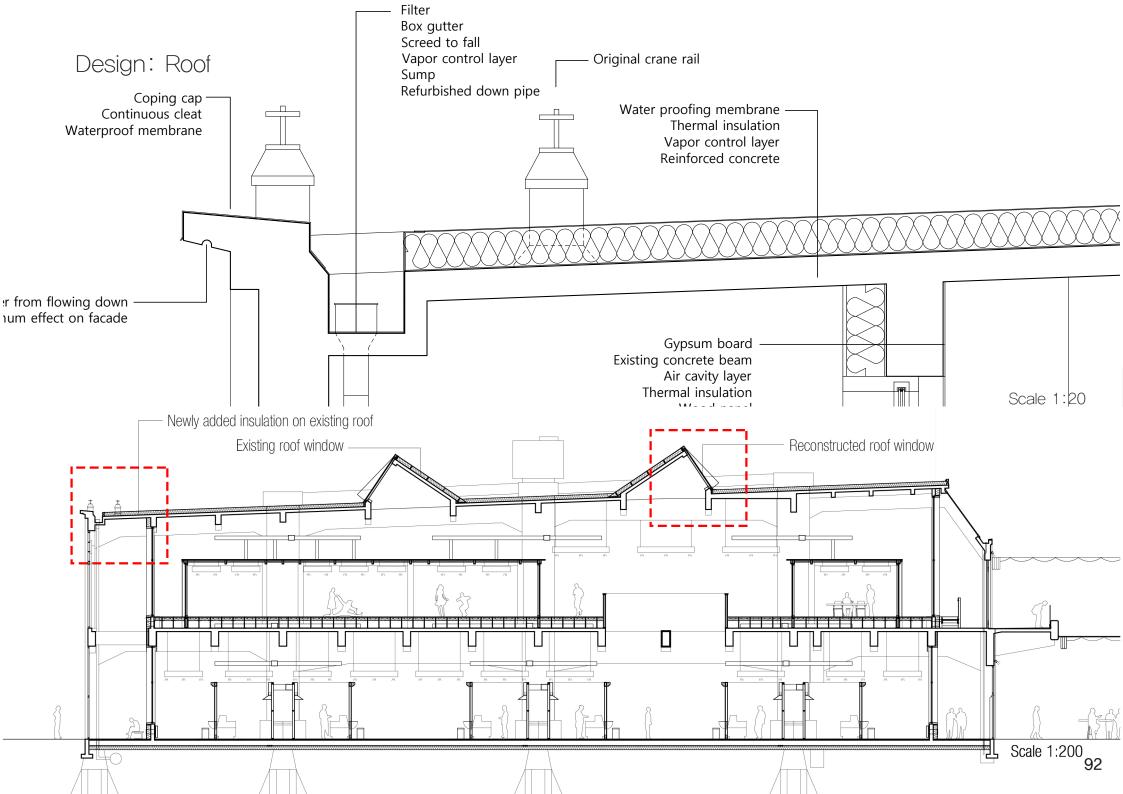
Design: Slab

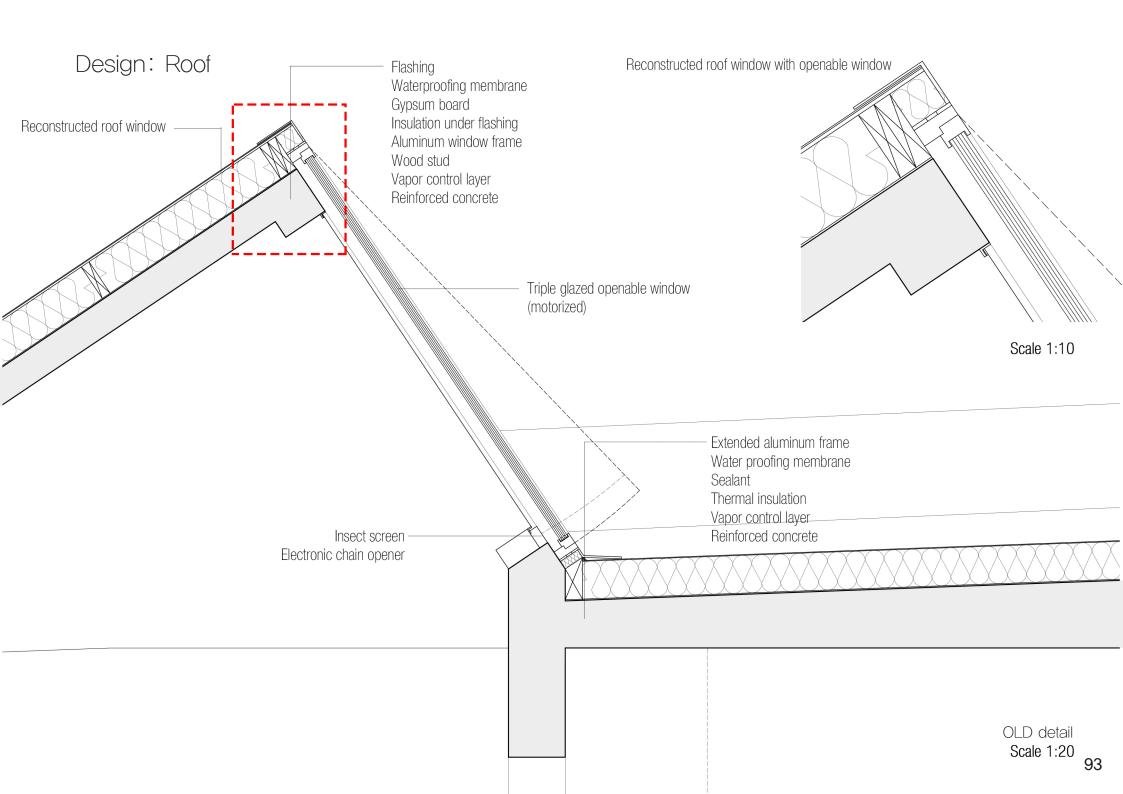


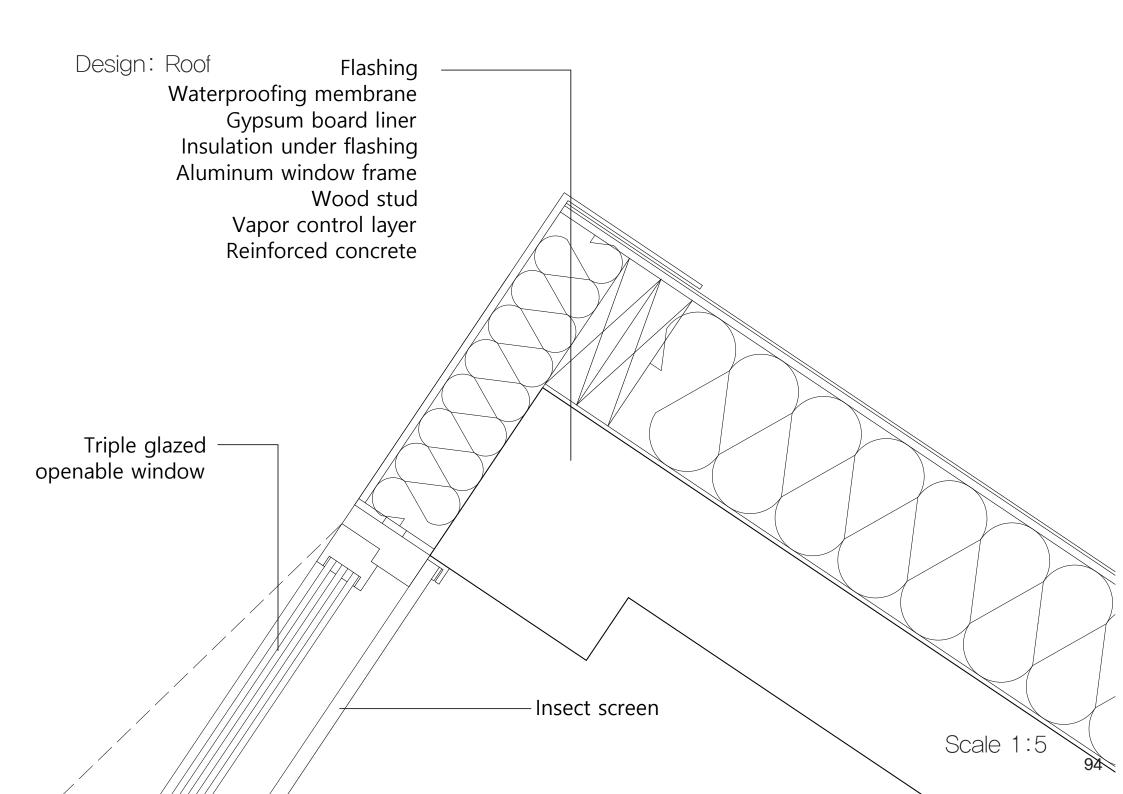


Design: Roof

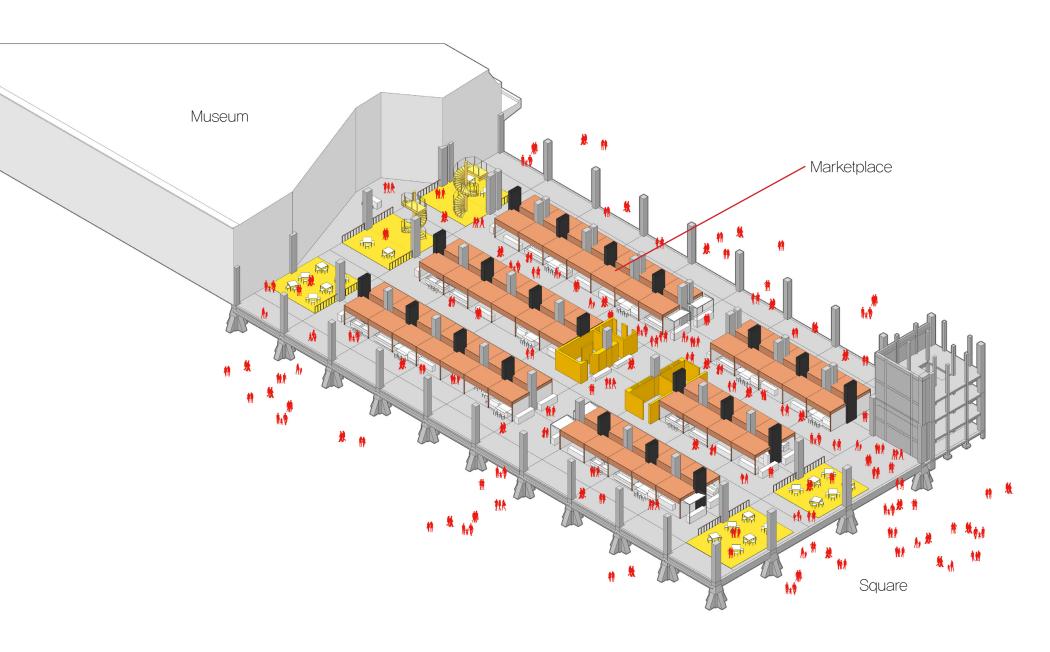






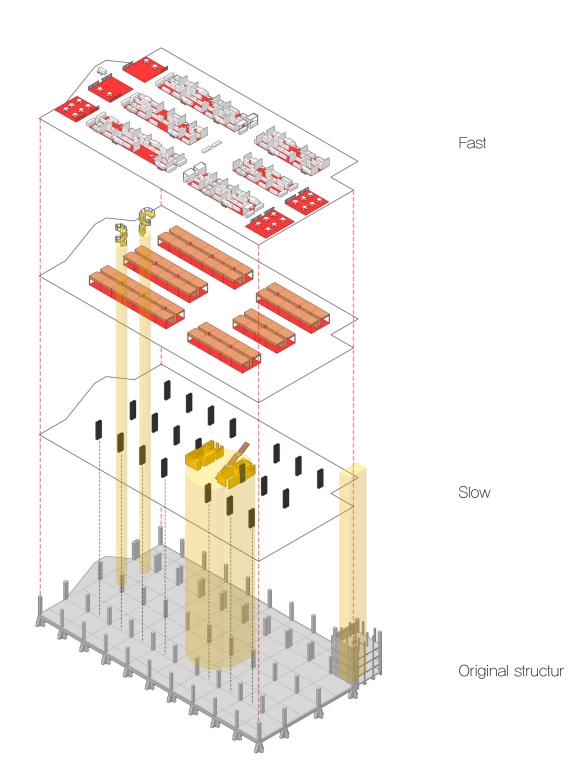


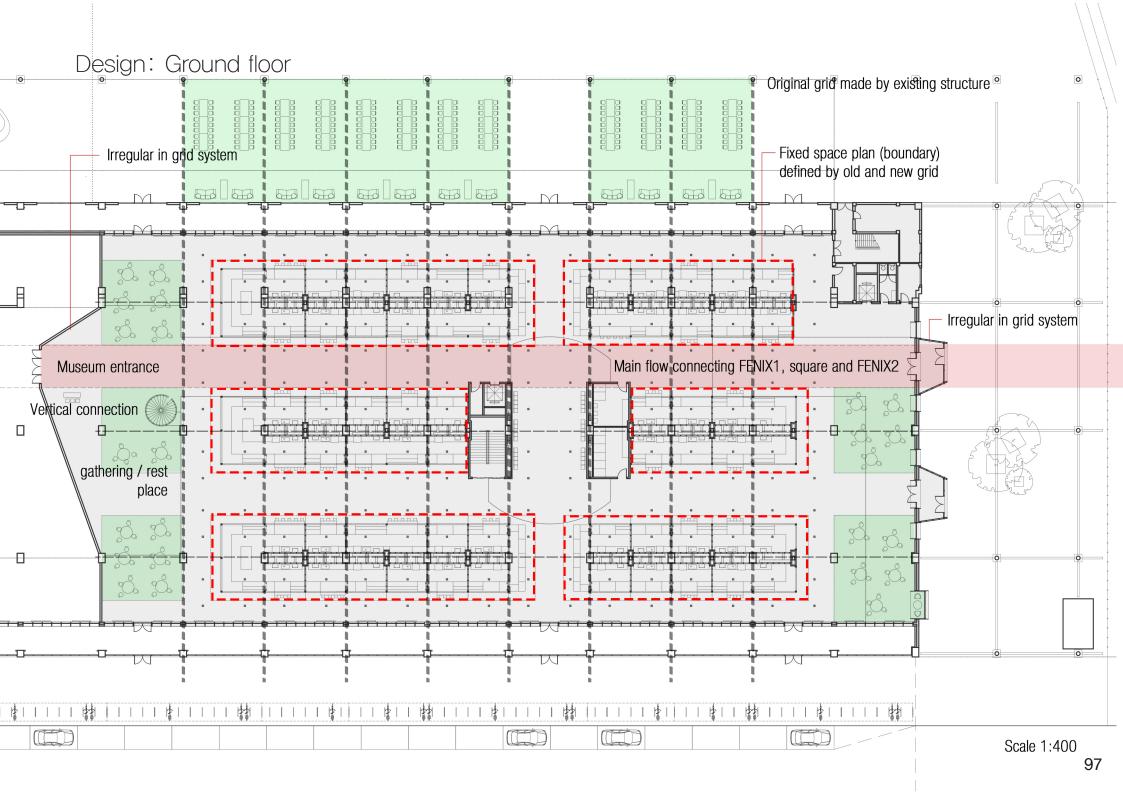
Design: Ground floor

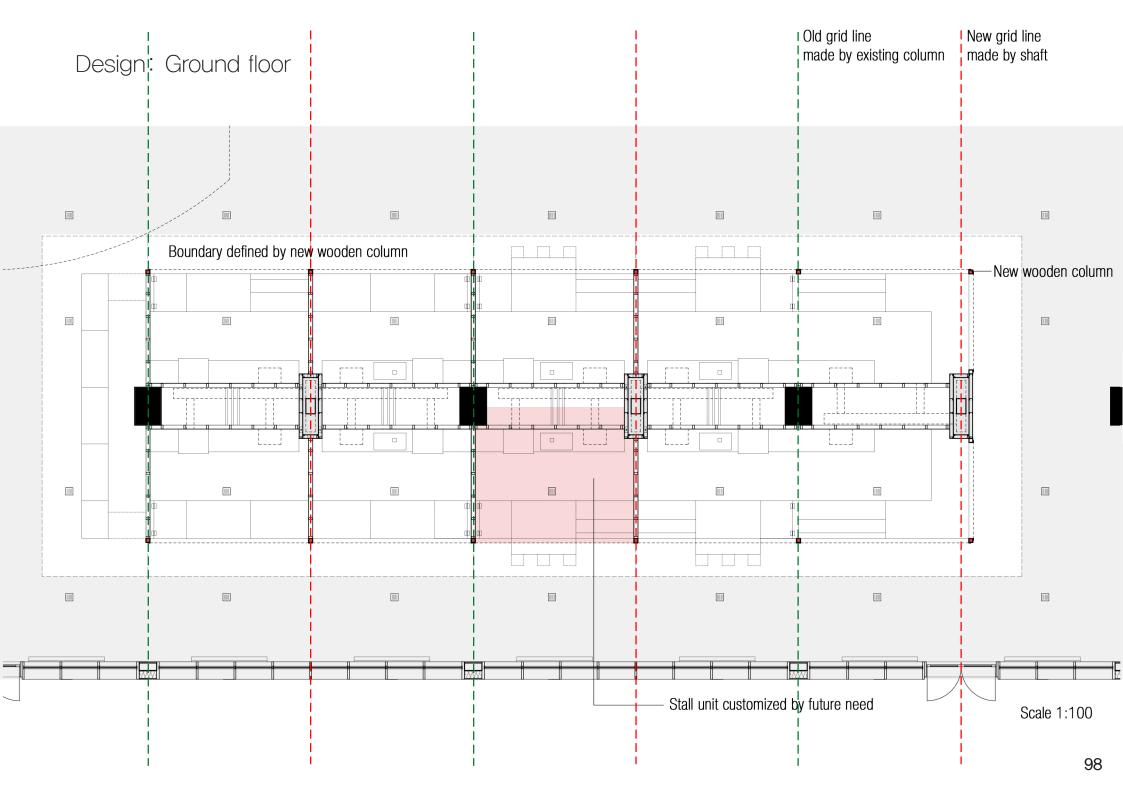


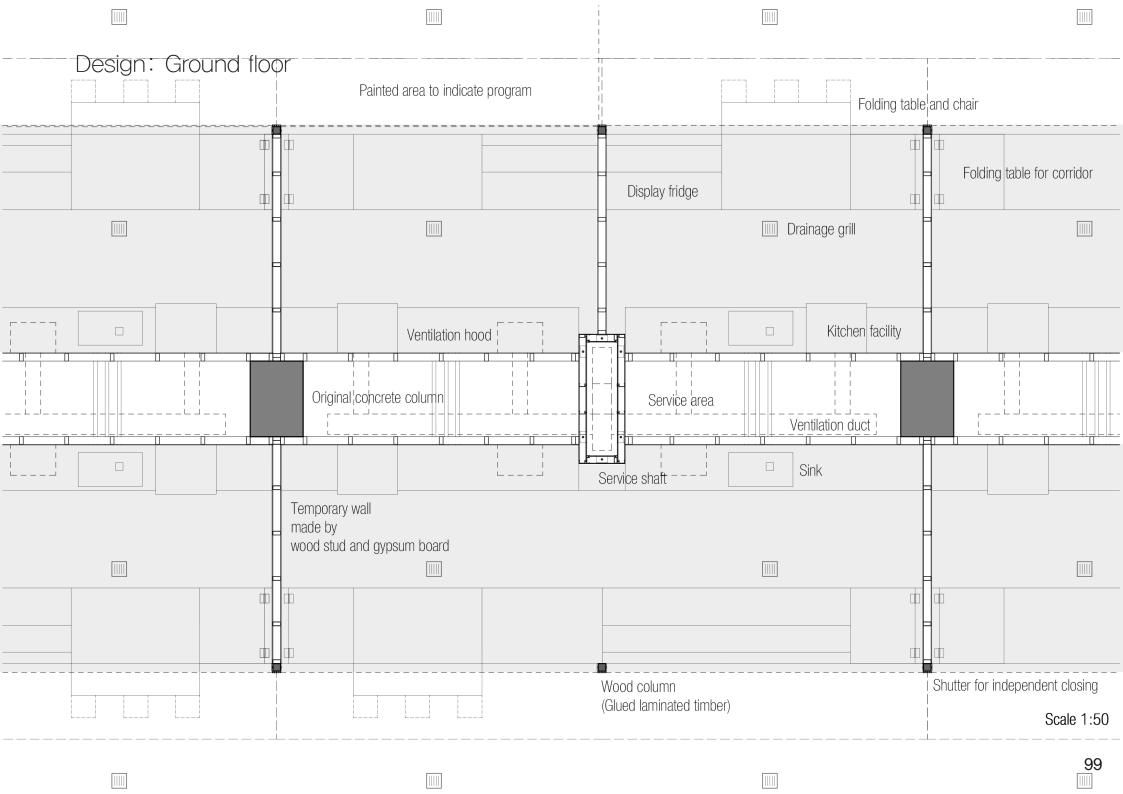
Design: Ground floor

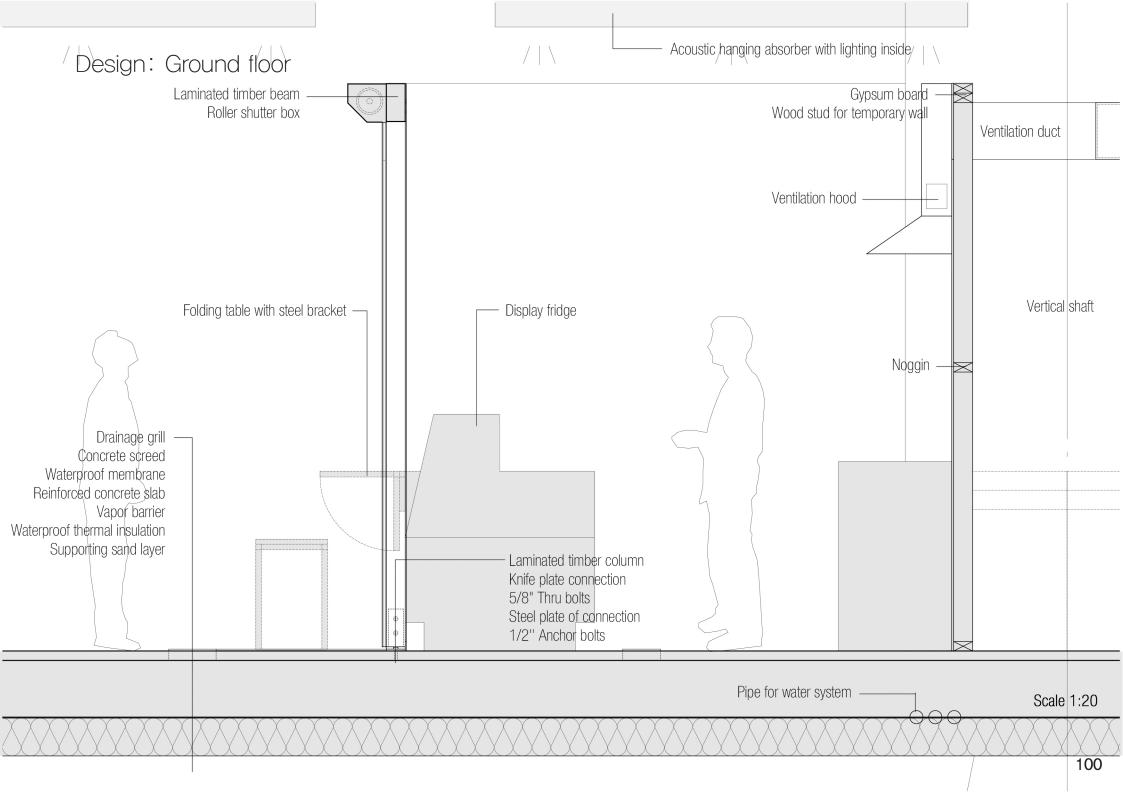
Layers of ground floor: Change of spped

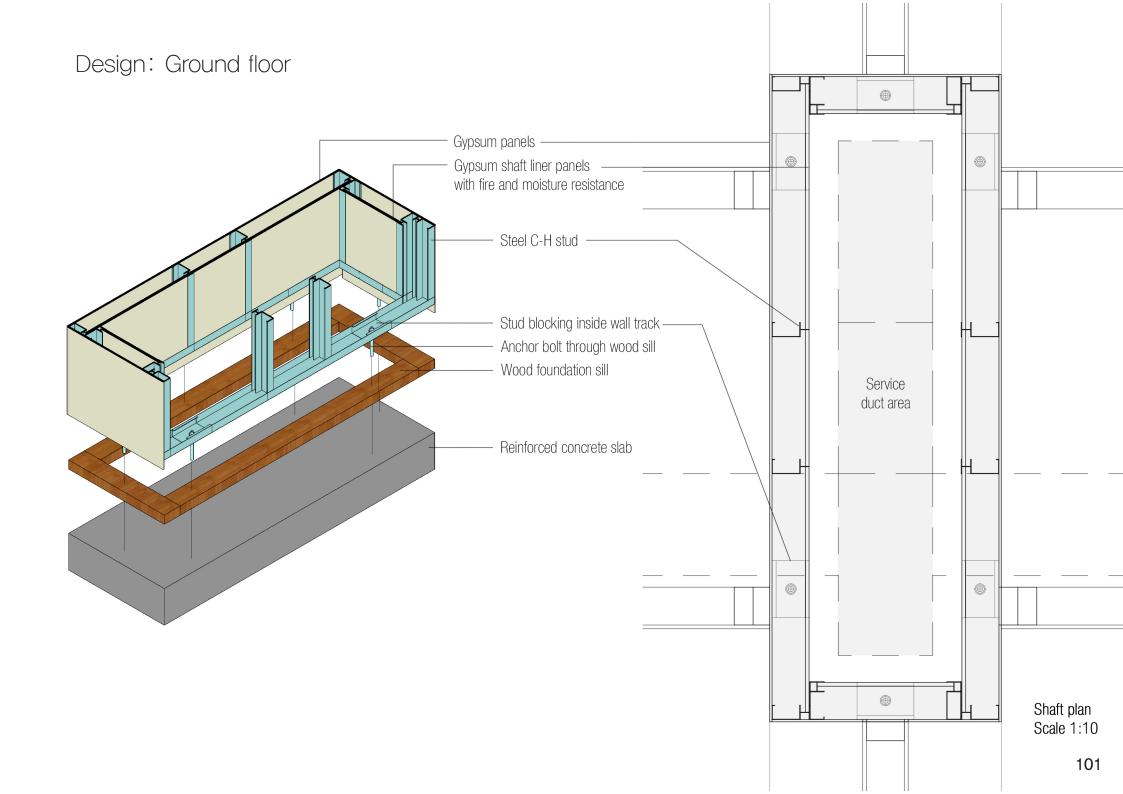


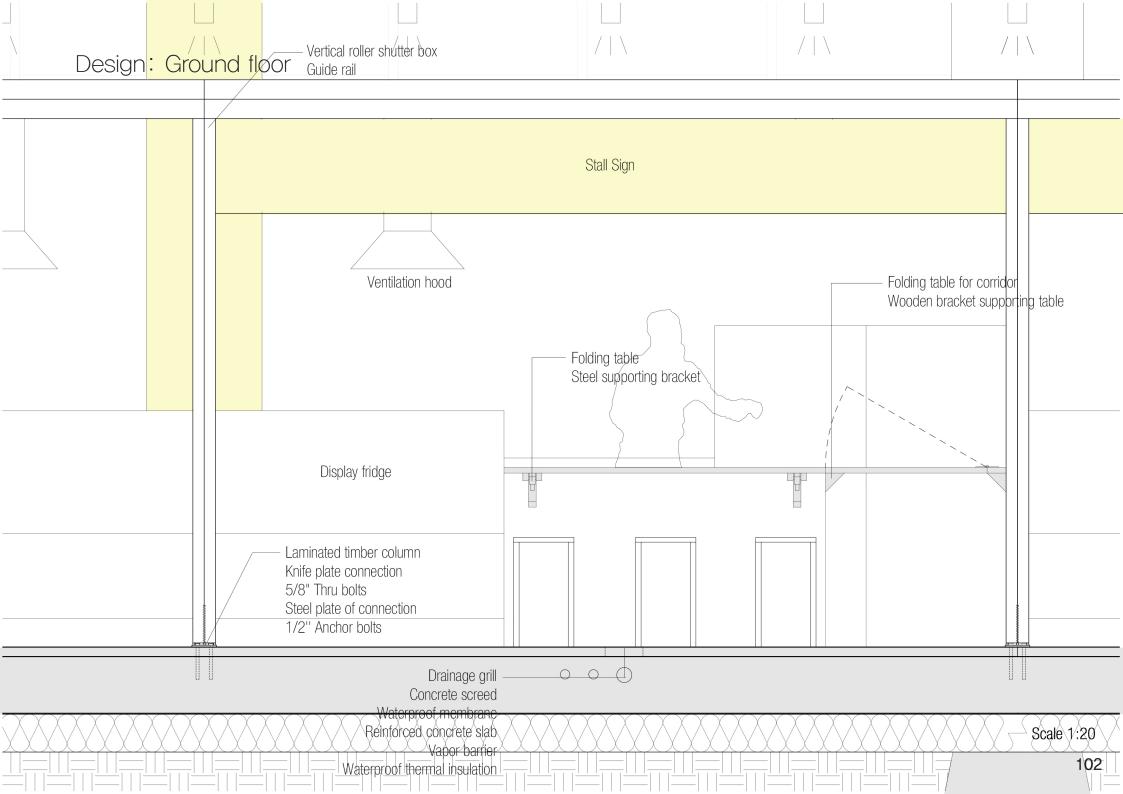








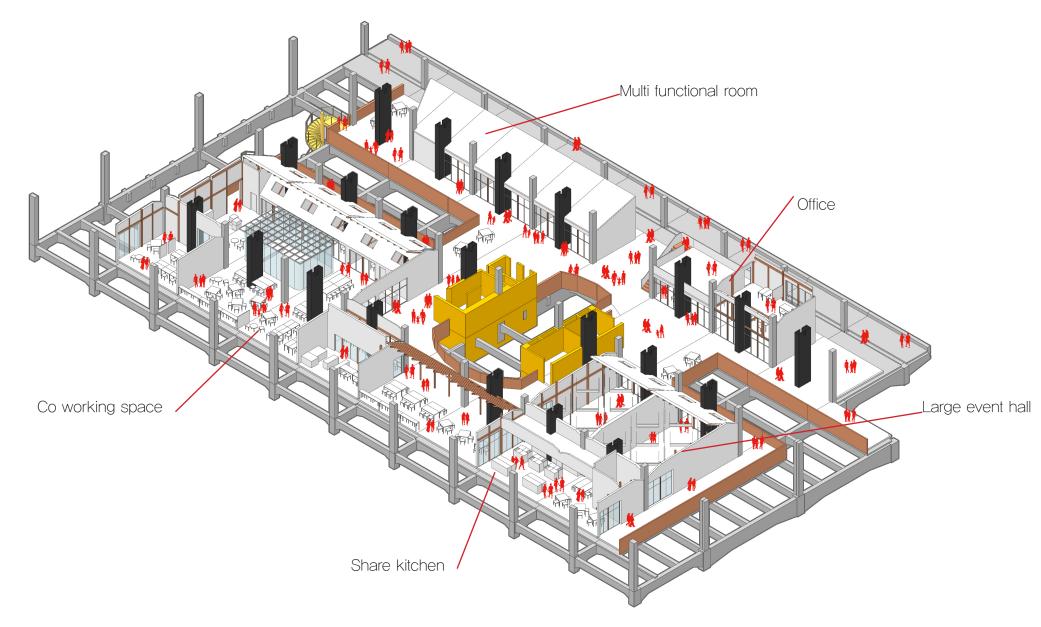




Design: Ground floor

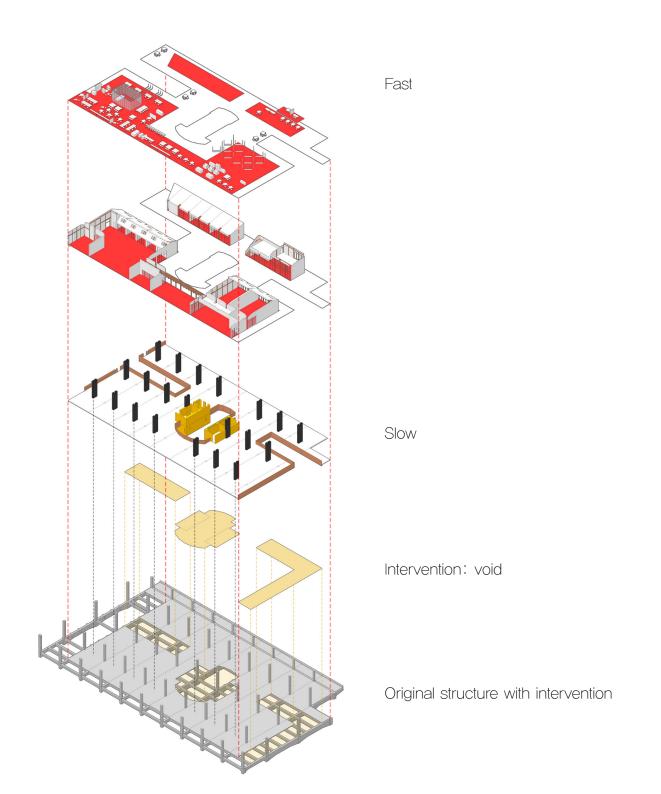


## Design: First floor



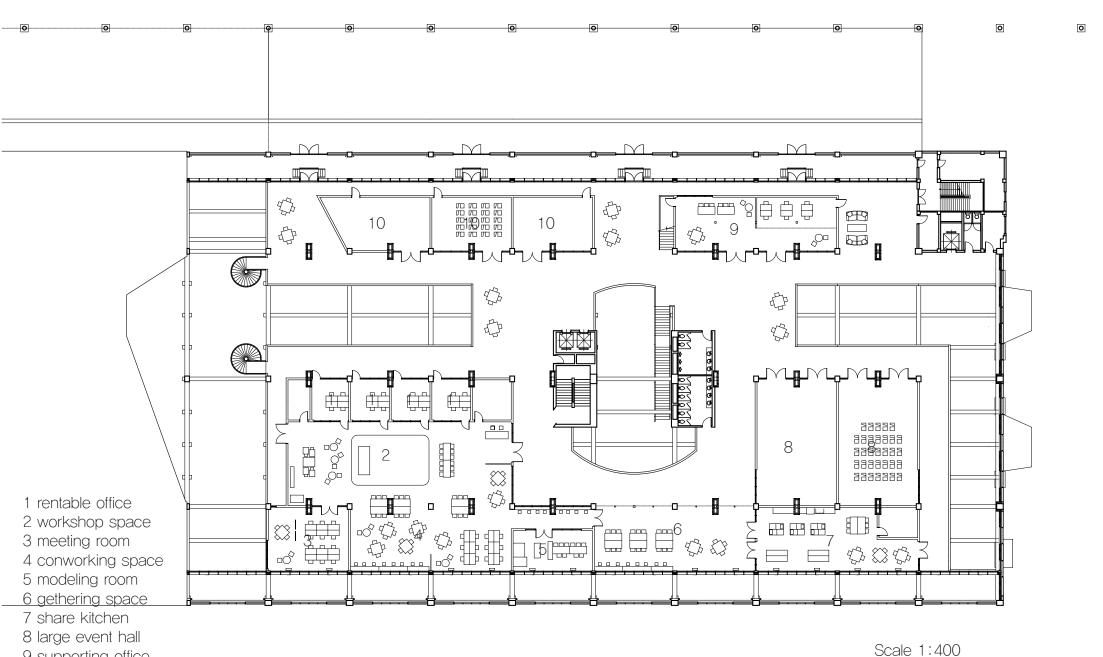
Design: First floor

Layers of first floor: Change of spped

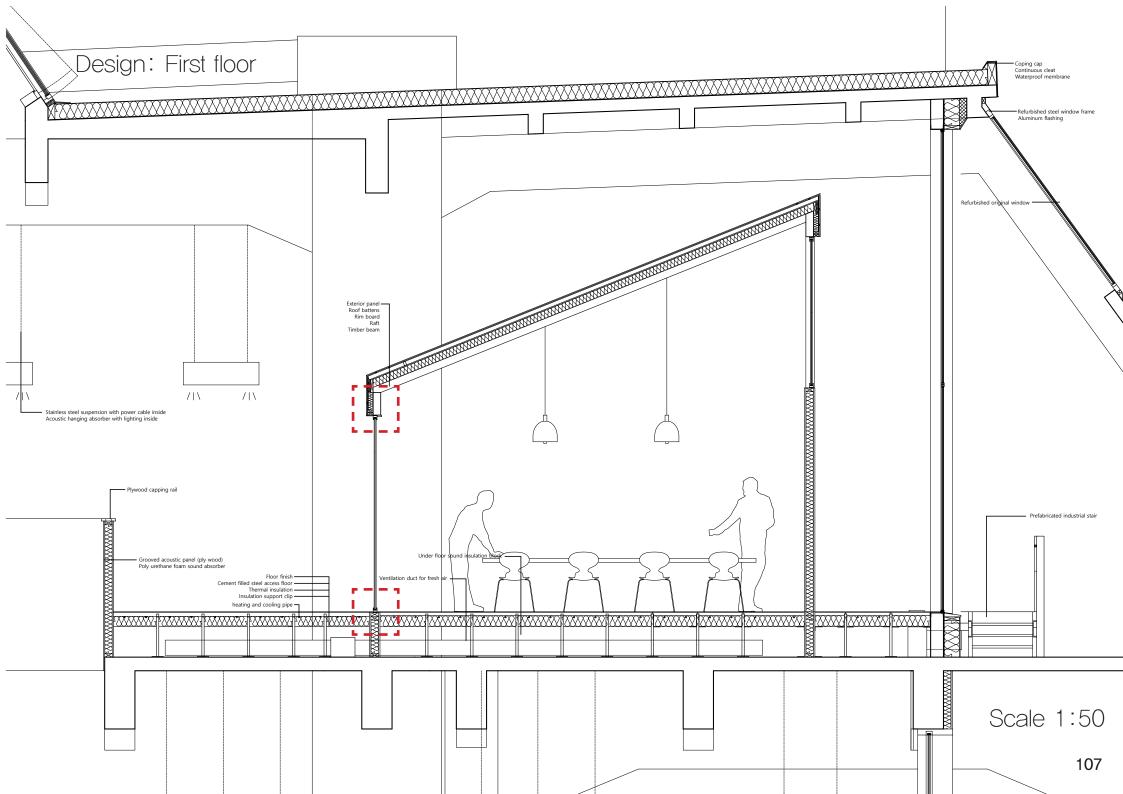


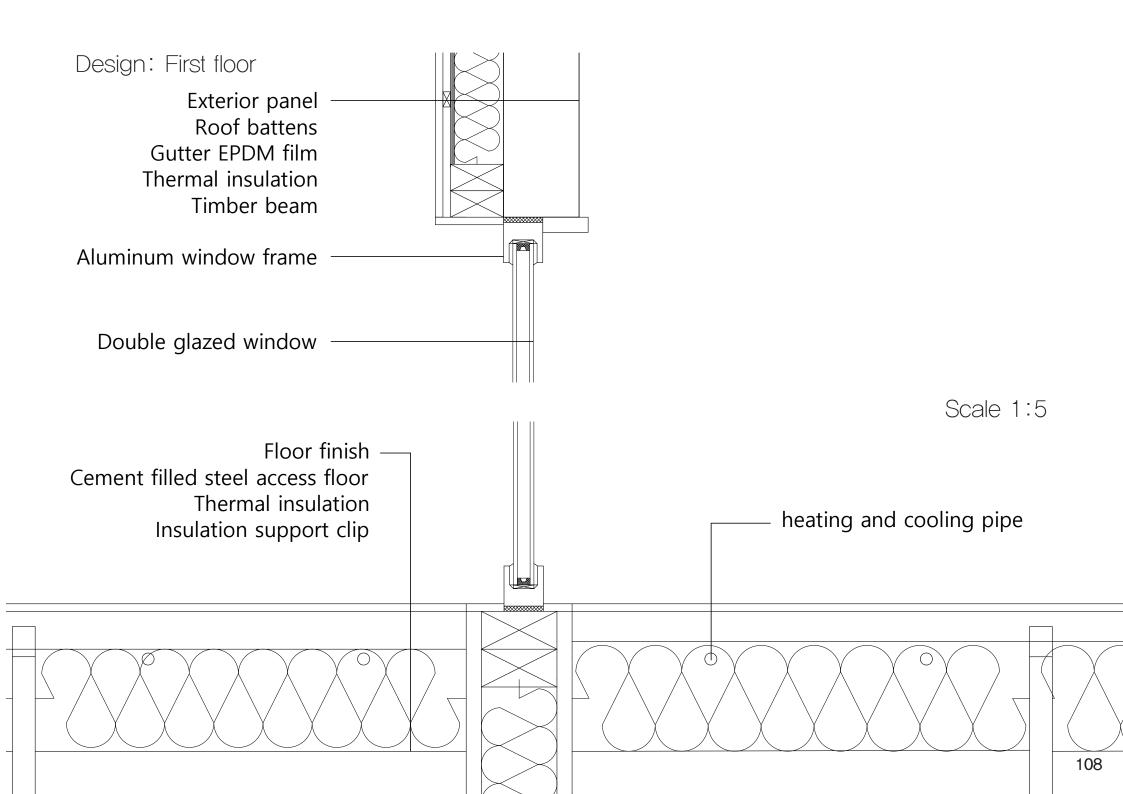
## Design: First floor

9 supporting office10 muti funtional room



106





Design: First floor



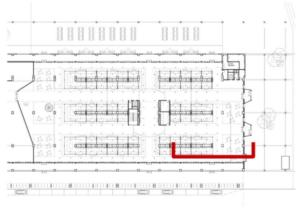


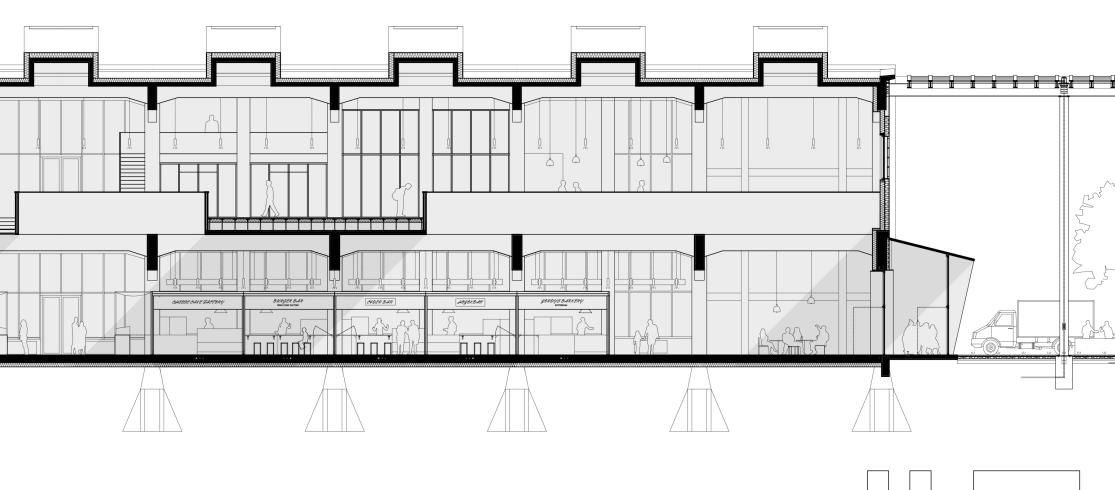




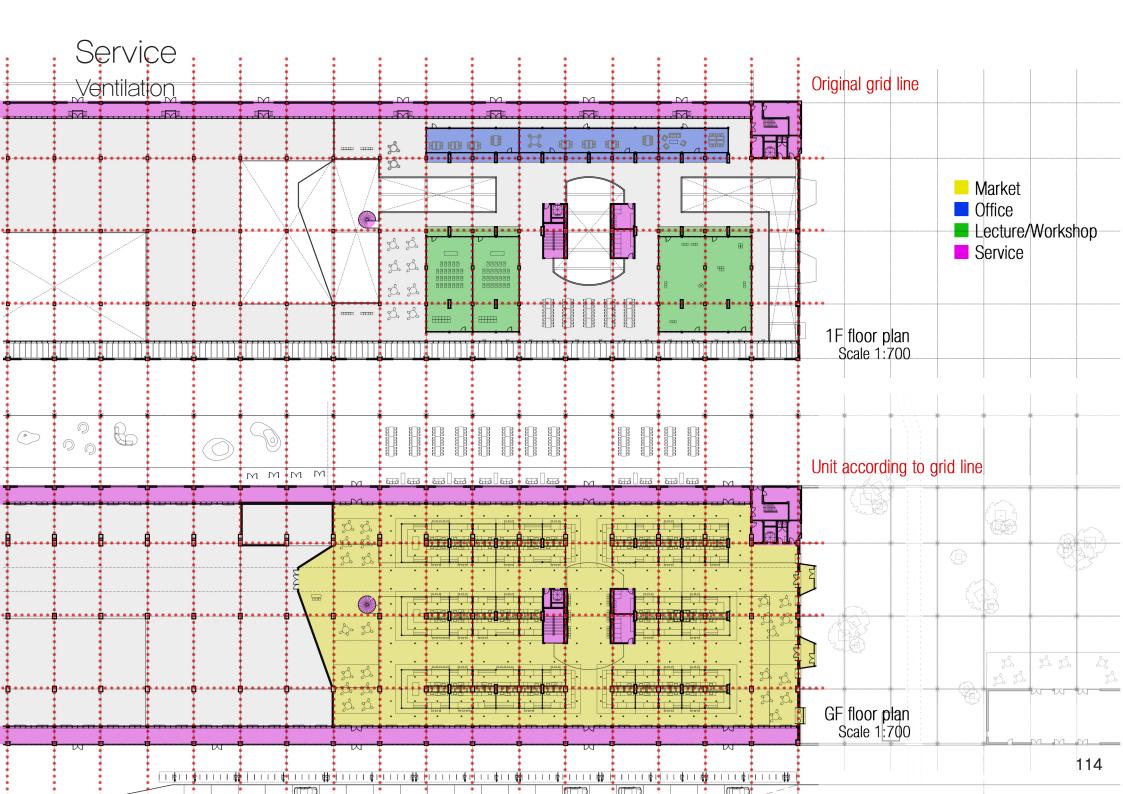


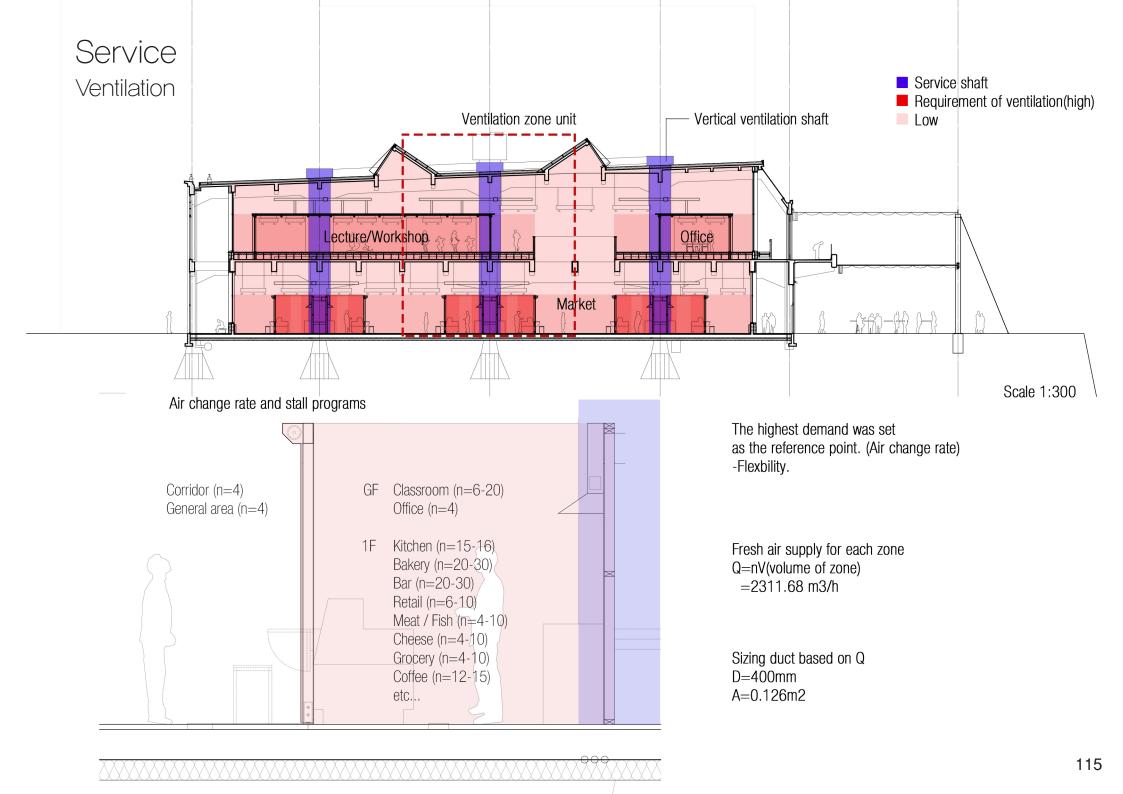
Design: Integrated section



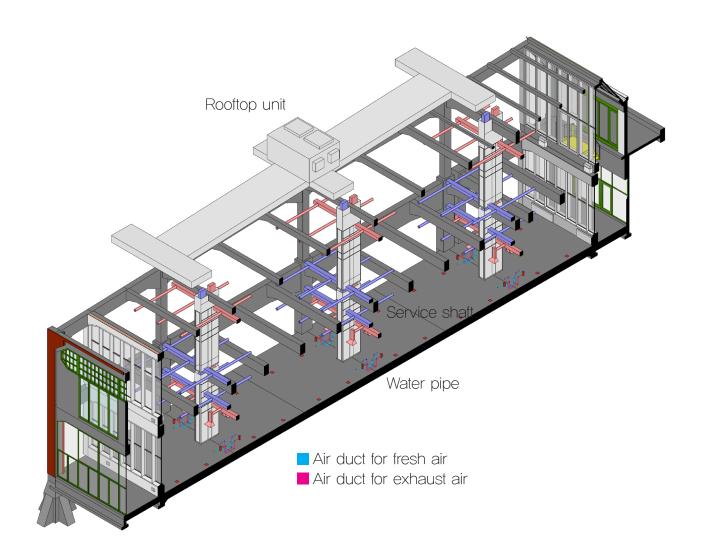


Service

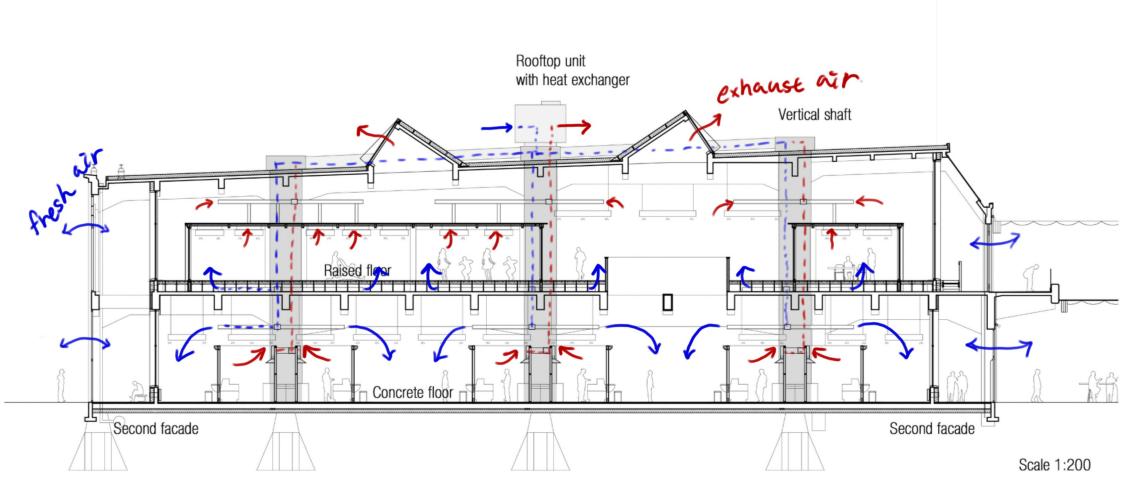


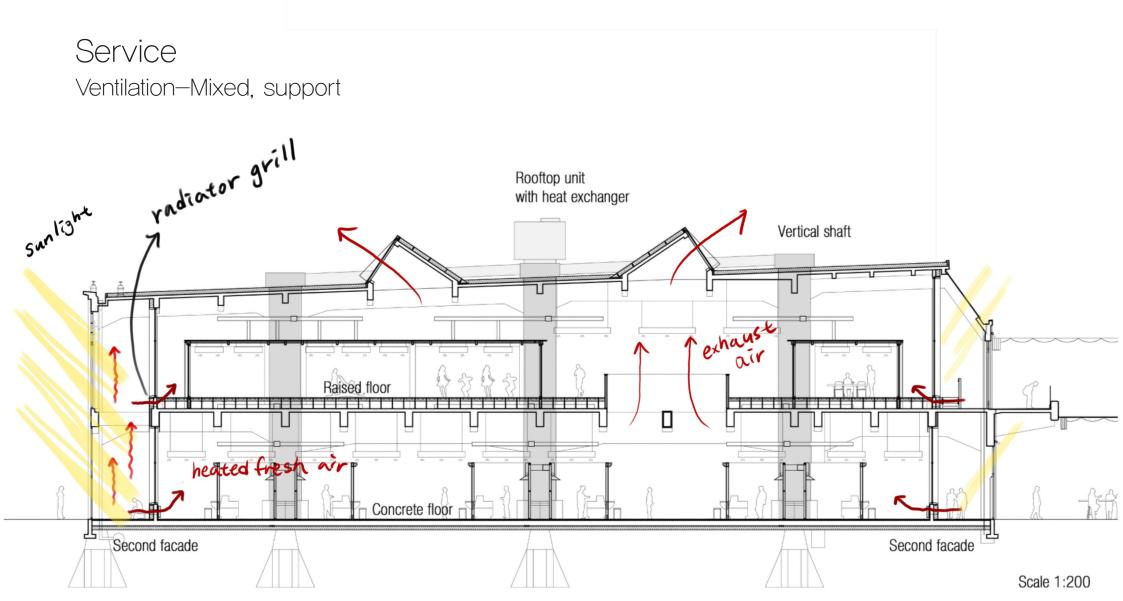


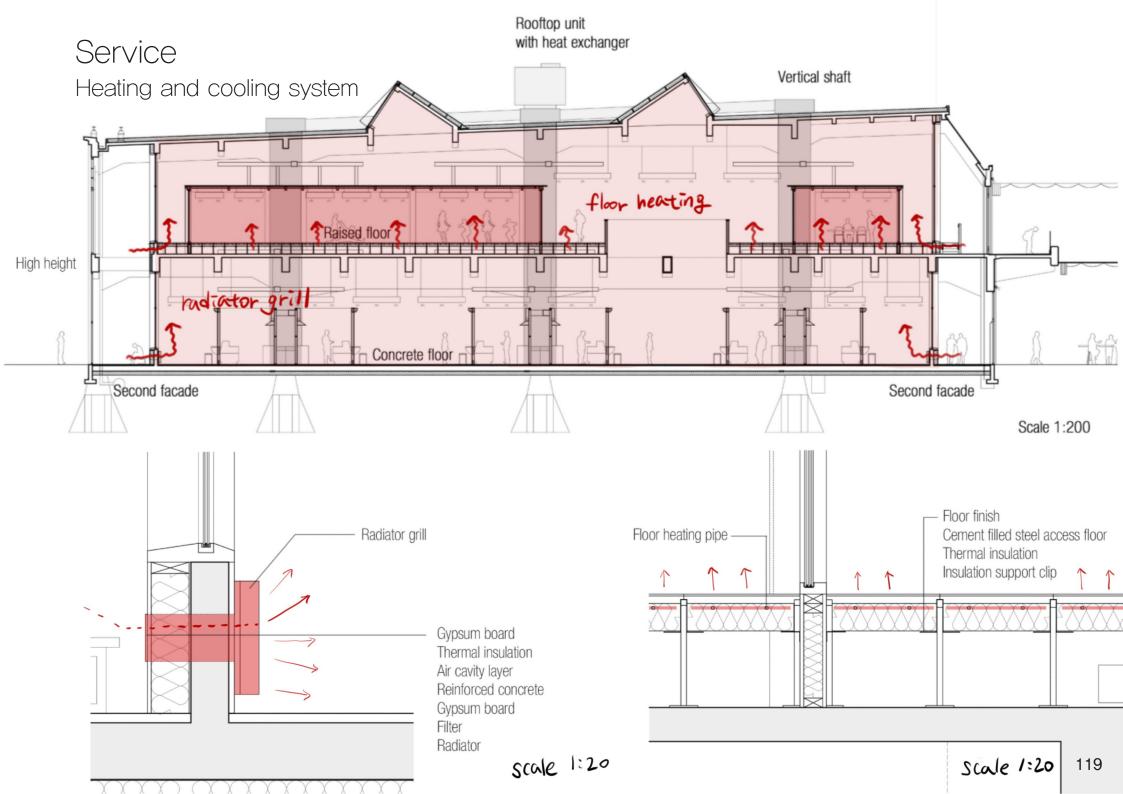
## Service Ventilation

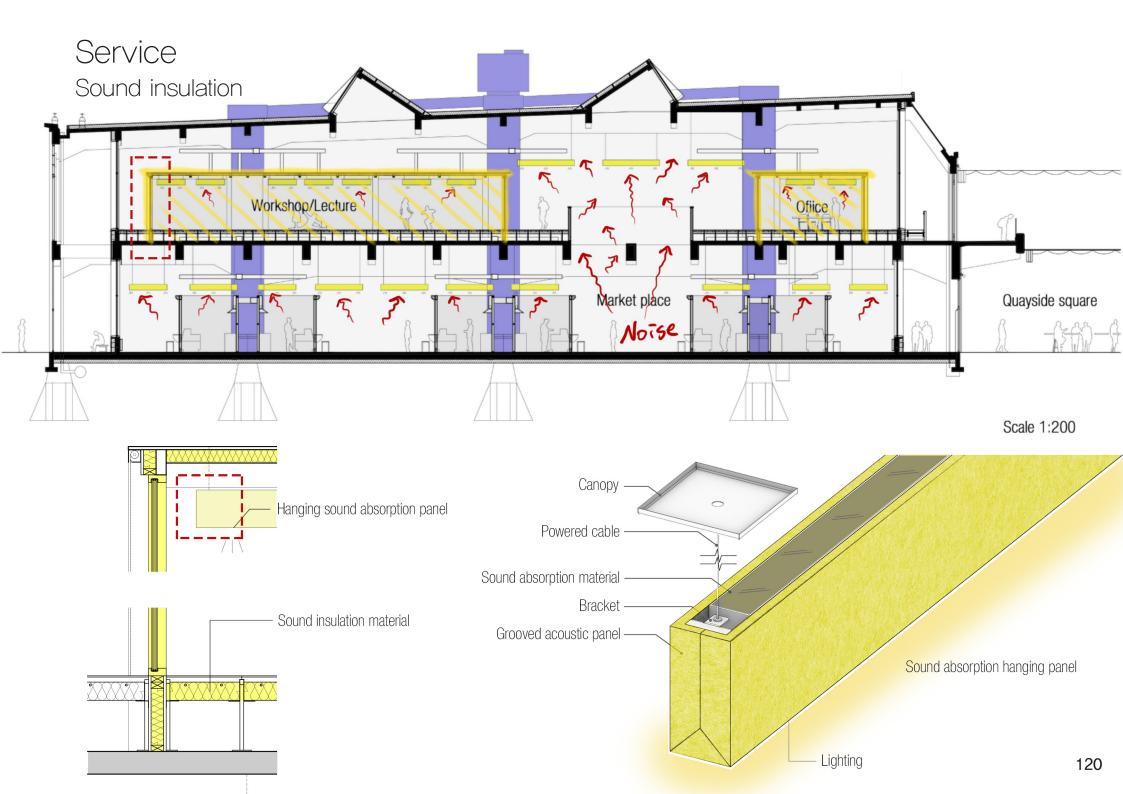


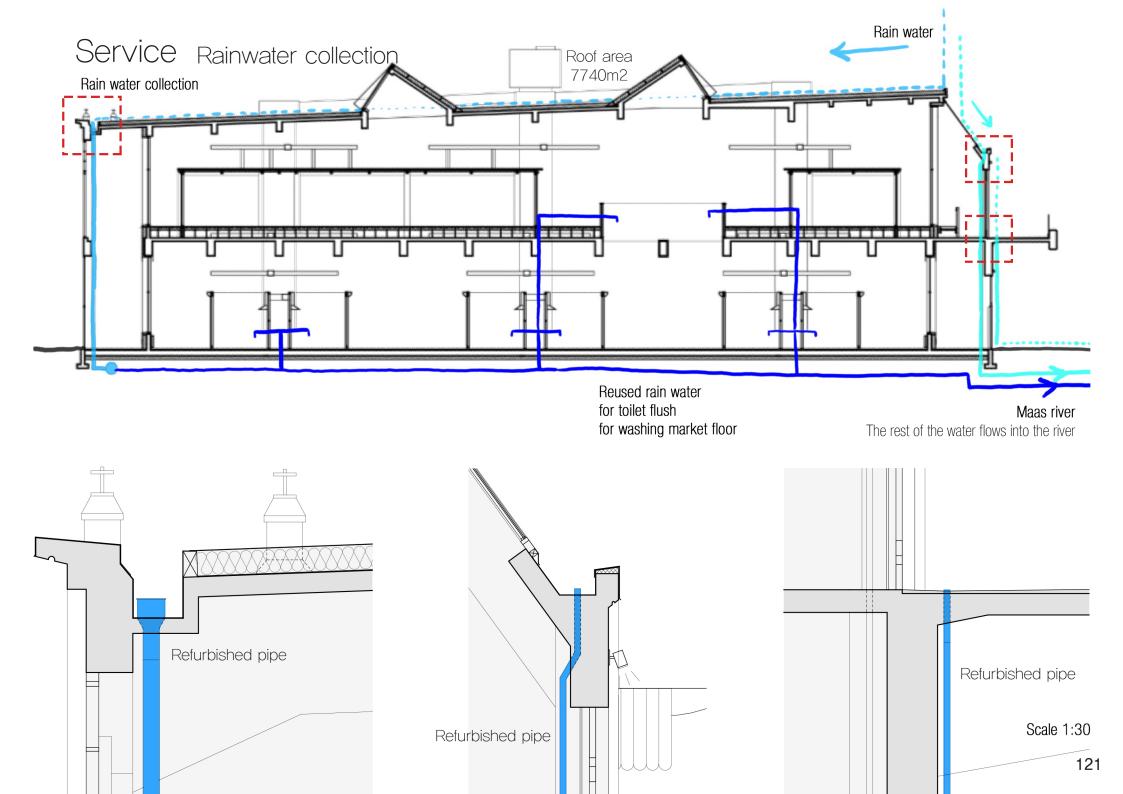
## Service Ventilation—Mechanical













Reflection