



Maastricht Heritage Center

Jaap (J.C.) van den Elshout
P5 Presentation - November 4th 2021

Vacant Heritage Studio

Lidy Meijers
Frank Koopman
Wido Quist

Introduction



Research results

Building values

Design

ground floor

basement

first and second floor

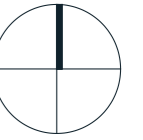
third floor

fourth floor and roof

Research question

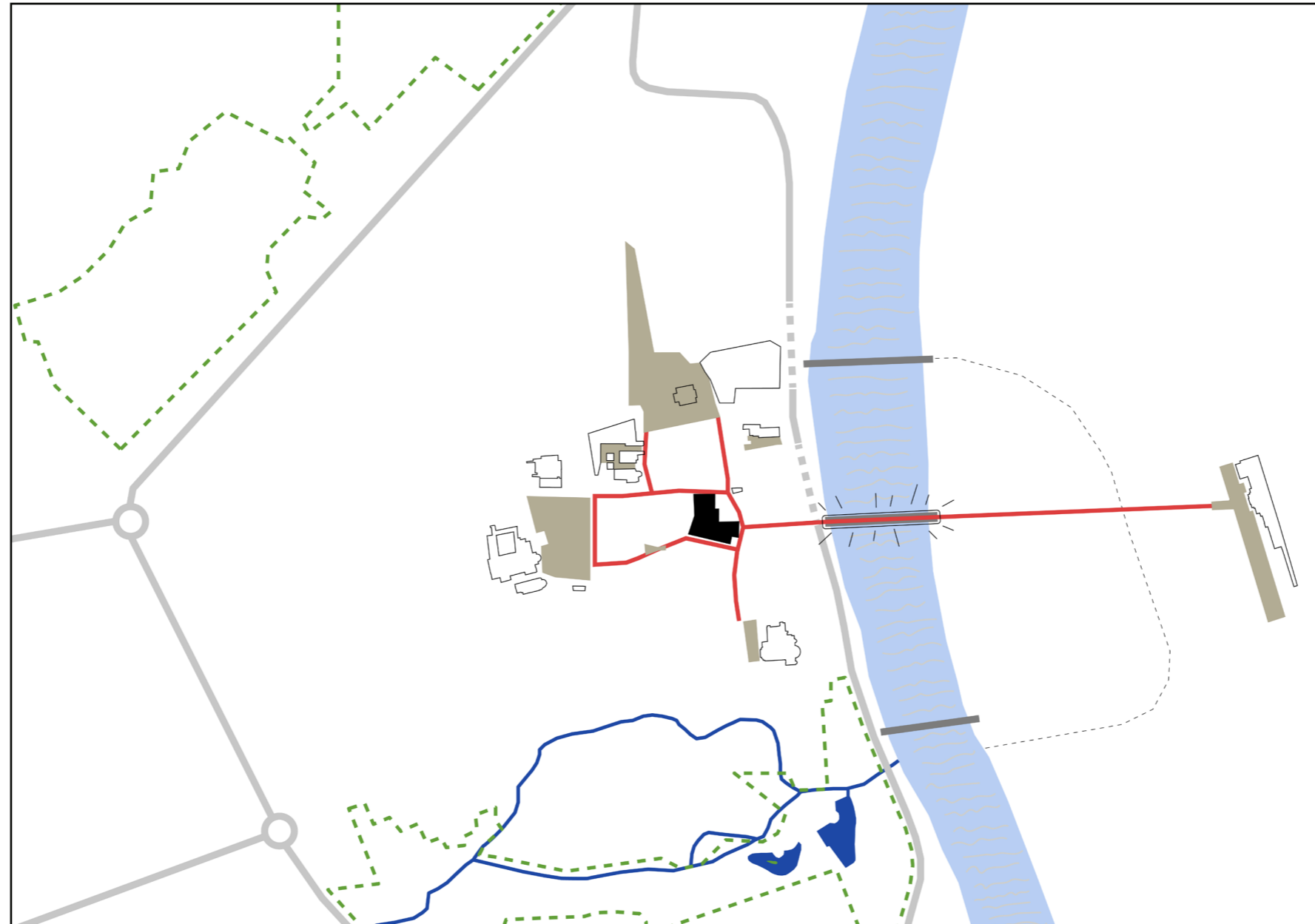
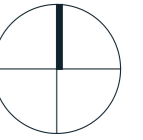
How does the architecture of the former Vroom & Dreesmann department store engage in the relation between the public, semi-public and private space and the people moving within and between these spaces and how can this be applied in the new design?

Placement in the urban context

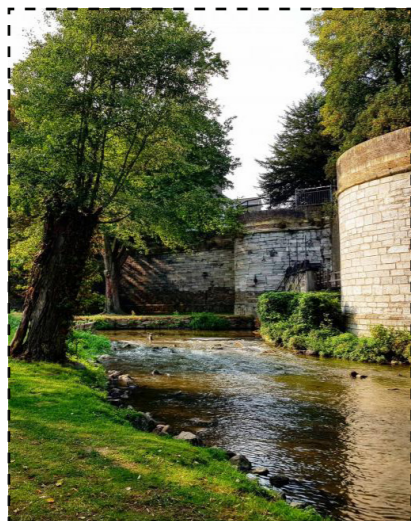


Base drawing retrieved from SBT
P5 Presentation 04.11.21

Range of attractions and use - map

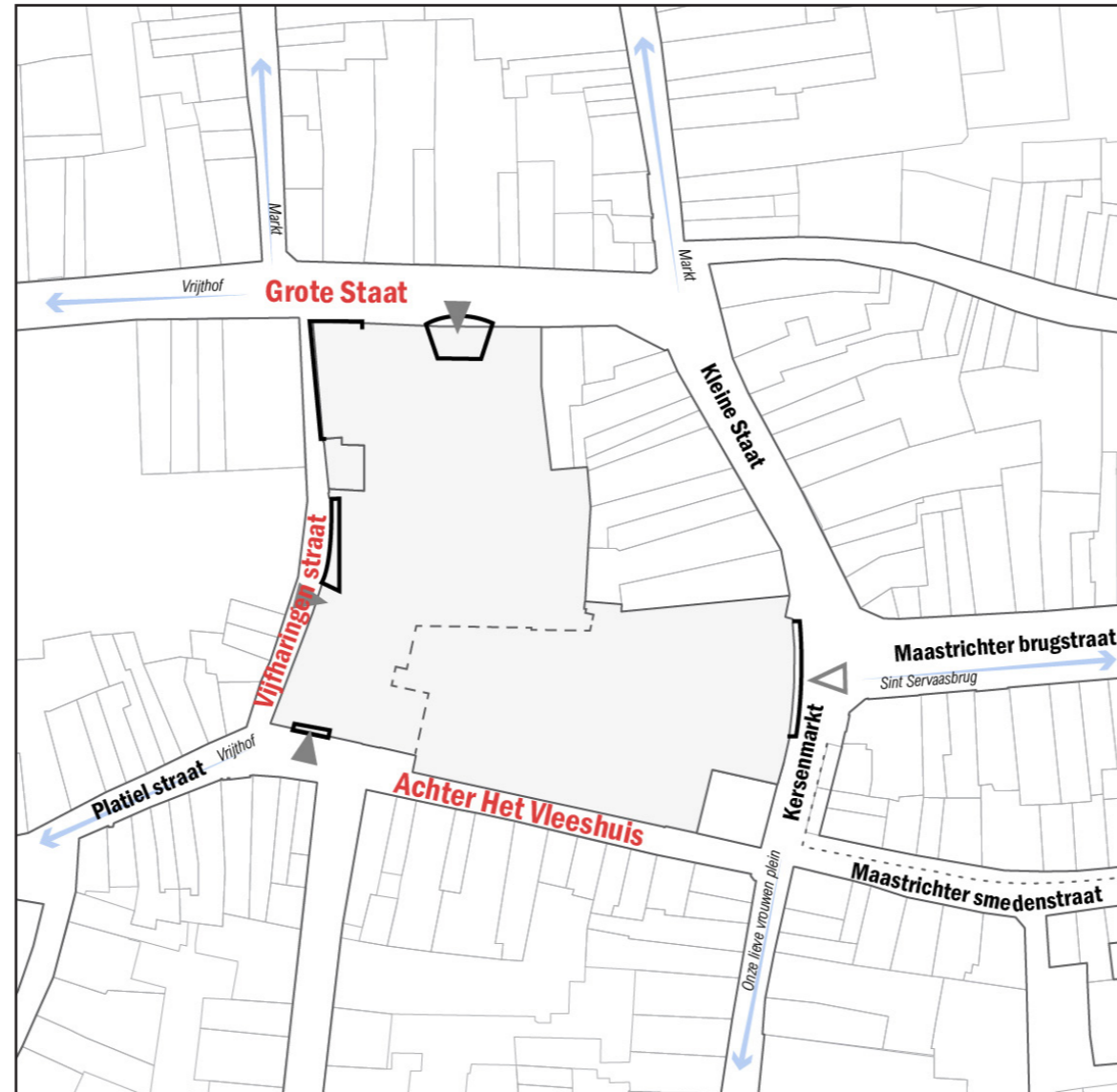
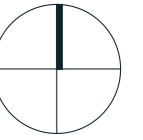


Local case studies

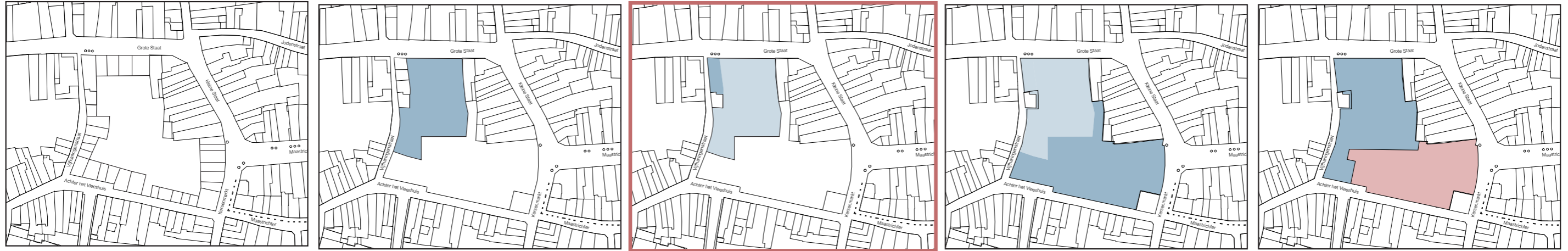


Images circled with a dotted line retrieved from Google Images

Placement in the urban context



Transformation history



before 1930

Situation before construction of Vroom & Dreesmann

1932

Opening Vroom & Dreesmann

1960

Expansion on corner Grote Staat and Vijfharingensraat

~1970

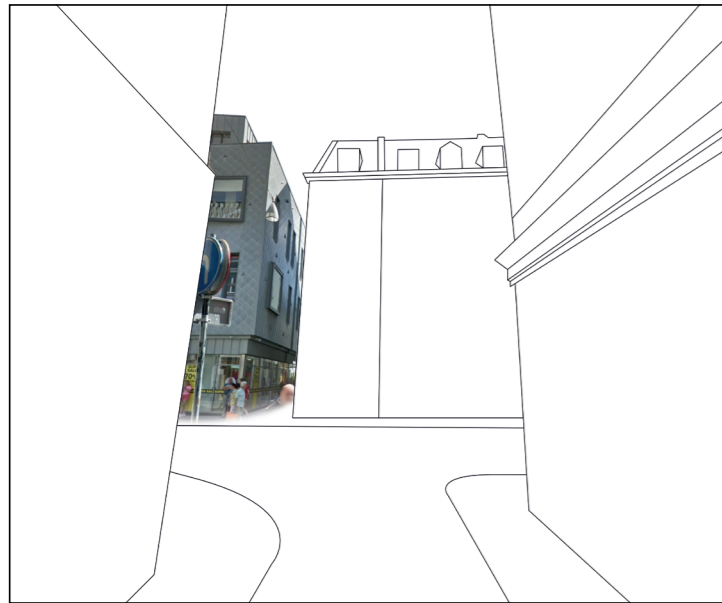
Expansion towards Achter het Vleeshuis and Kersenmarkt

2002

Reduction of the Vroom en Dreesmann making space for De Bijenkorf

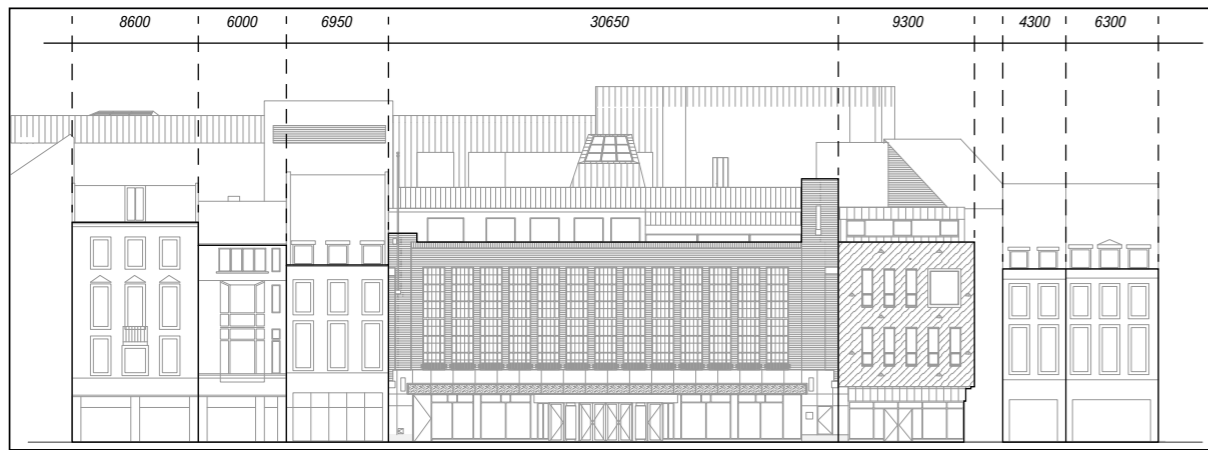


Approach of the façade

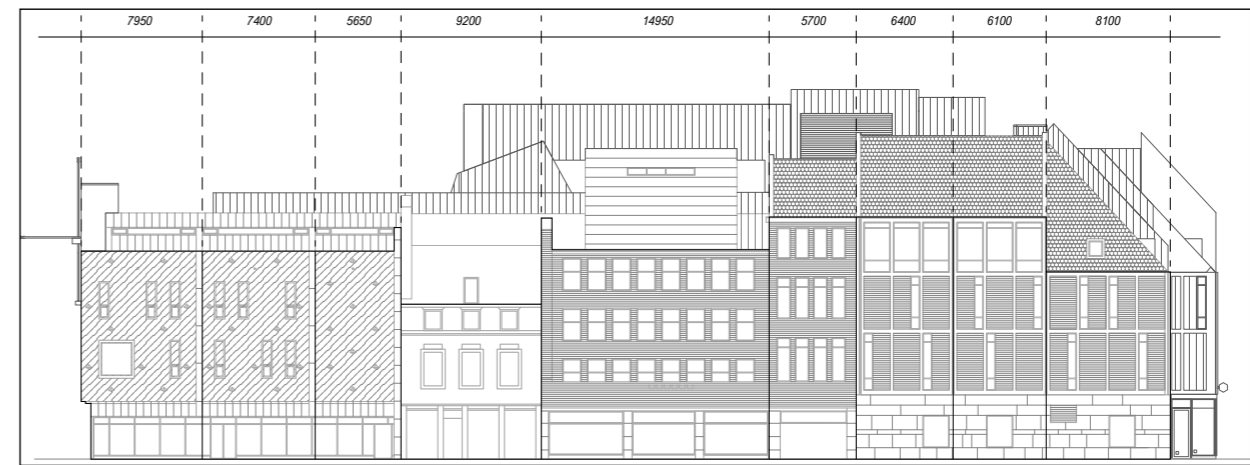
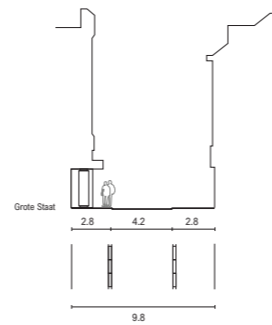


Bottom two images retrieved from Google Maps. (2019)

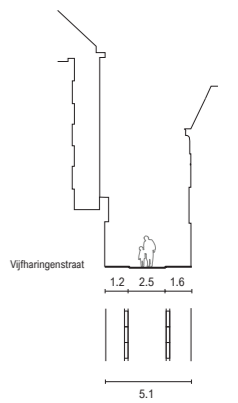
Rhythm in the façades



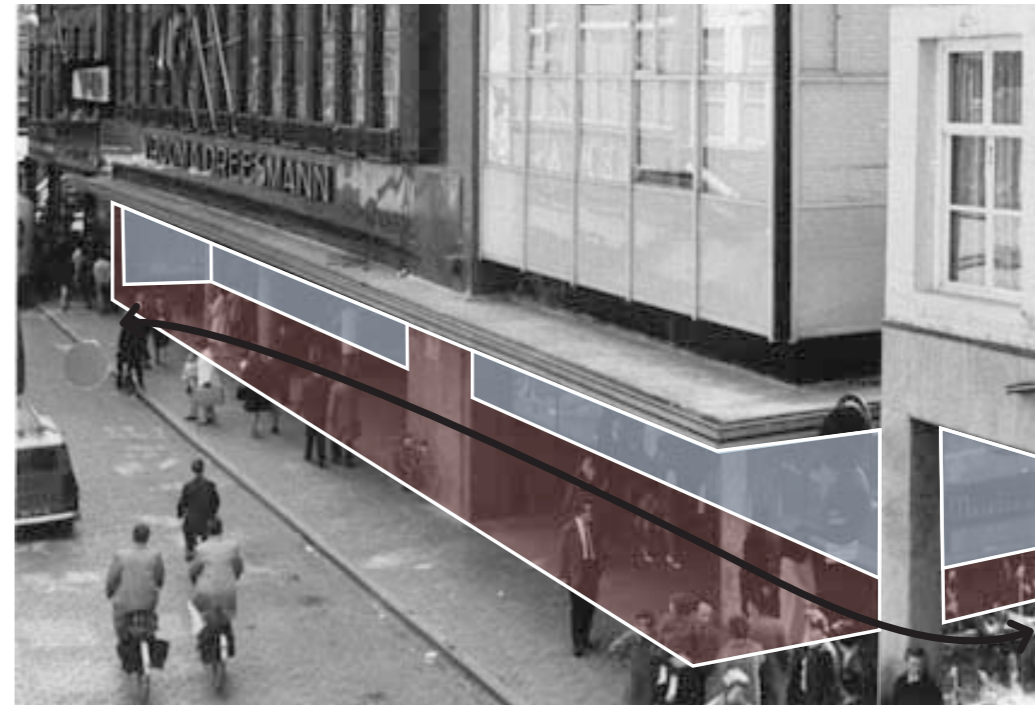
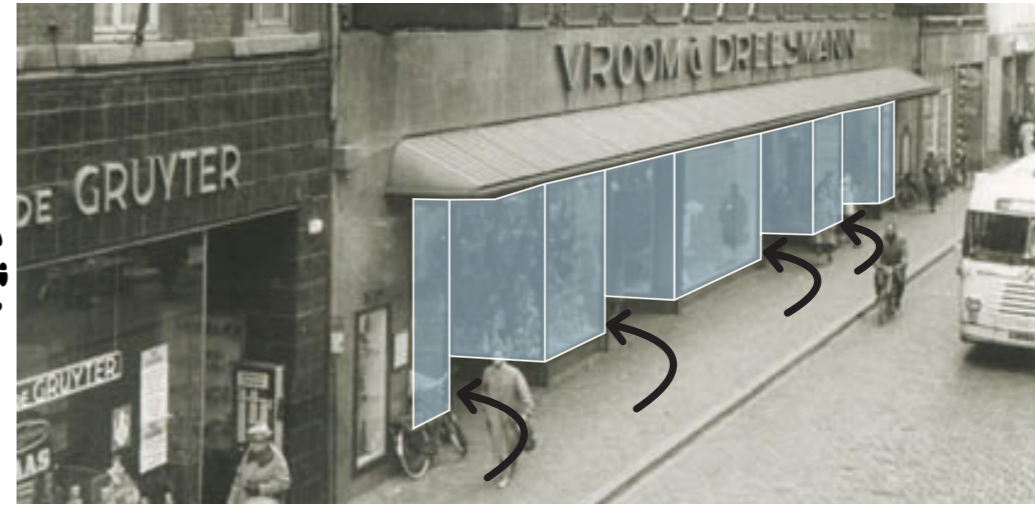
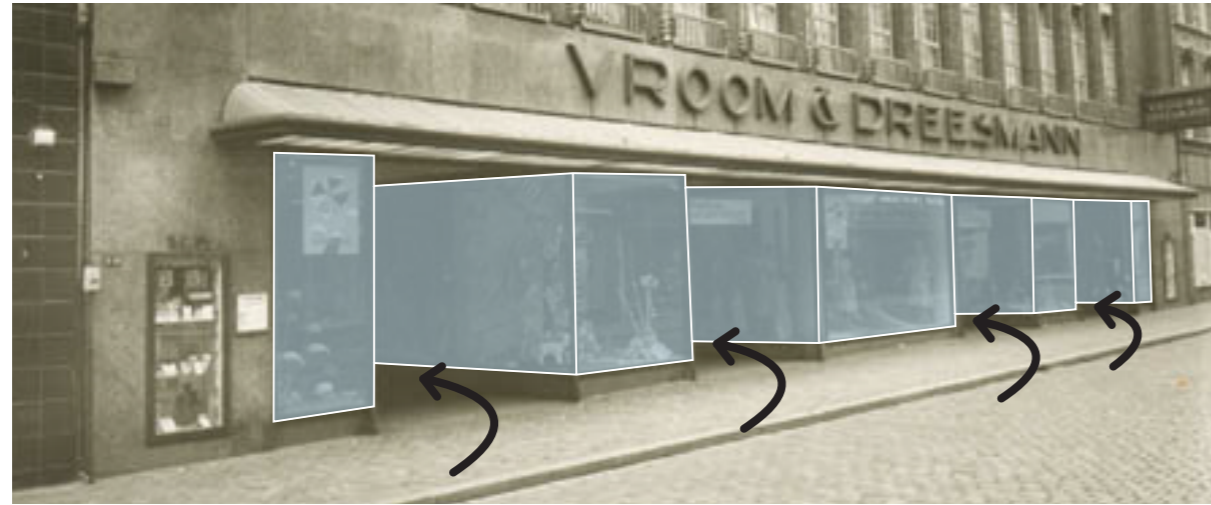
Grote Staat



Vijfharigenstraat

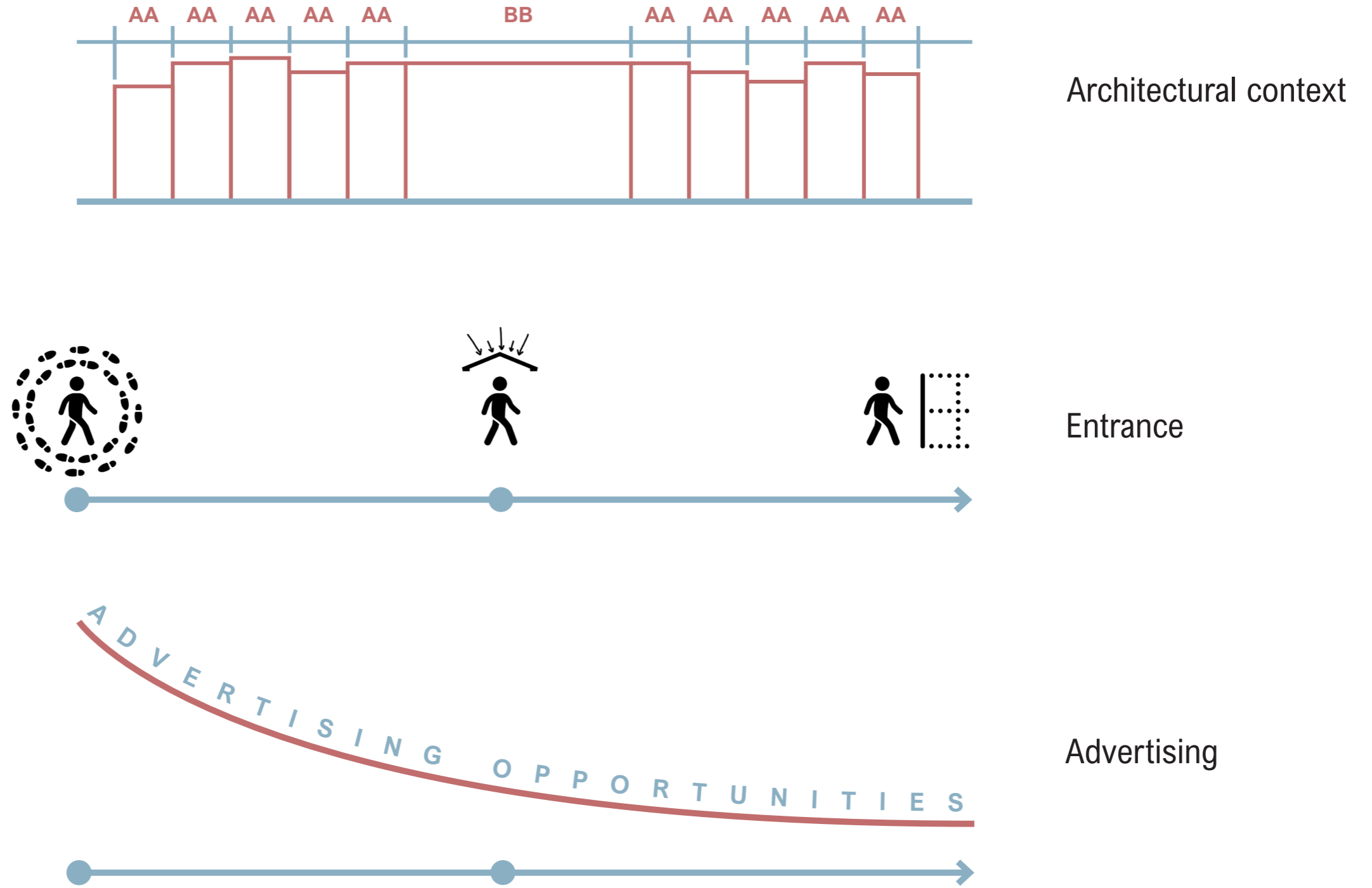


Entrance and advertising - 1932 - present



Images retrieved from RHCL Beeldbank (l.t.r.t.b.: 1955, 1955, 1960, 1964)

Research conclusions



Value assessment

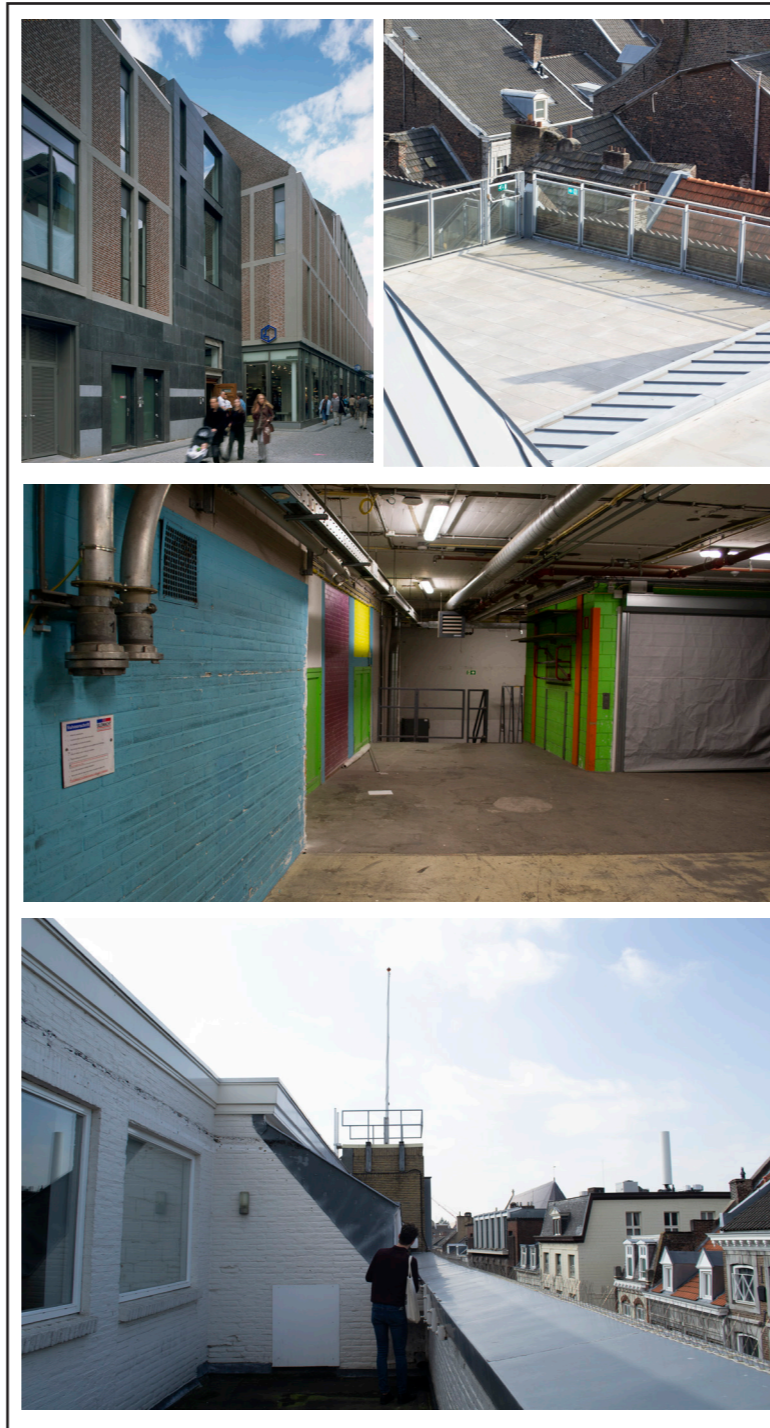
High value

Functional and engaging value of the original entrance. Presence of the structure of the original atrium. Historic and decorated façades.



Indifferent value

Expedition spaces spread over each floor, interconnected with elevators. Large rooftop terrace above De Bijenkorf. Brickwork façade at the Achter het Vleeshuis street.



Low value

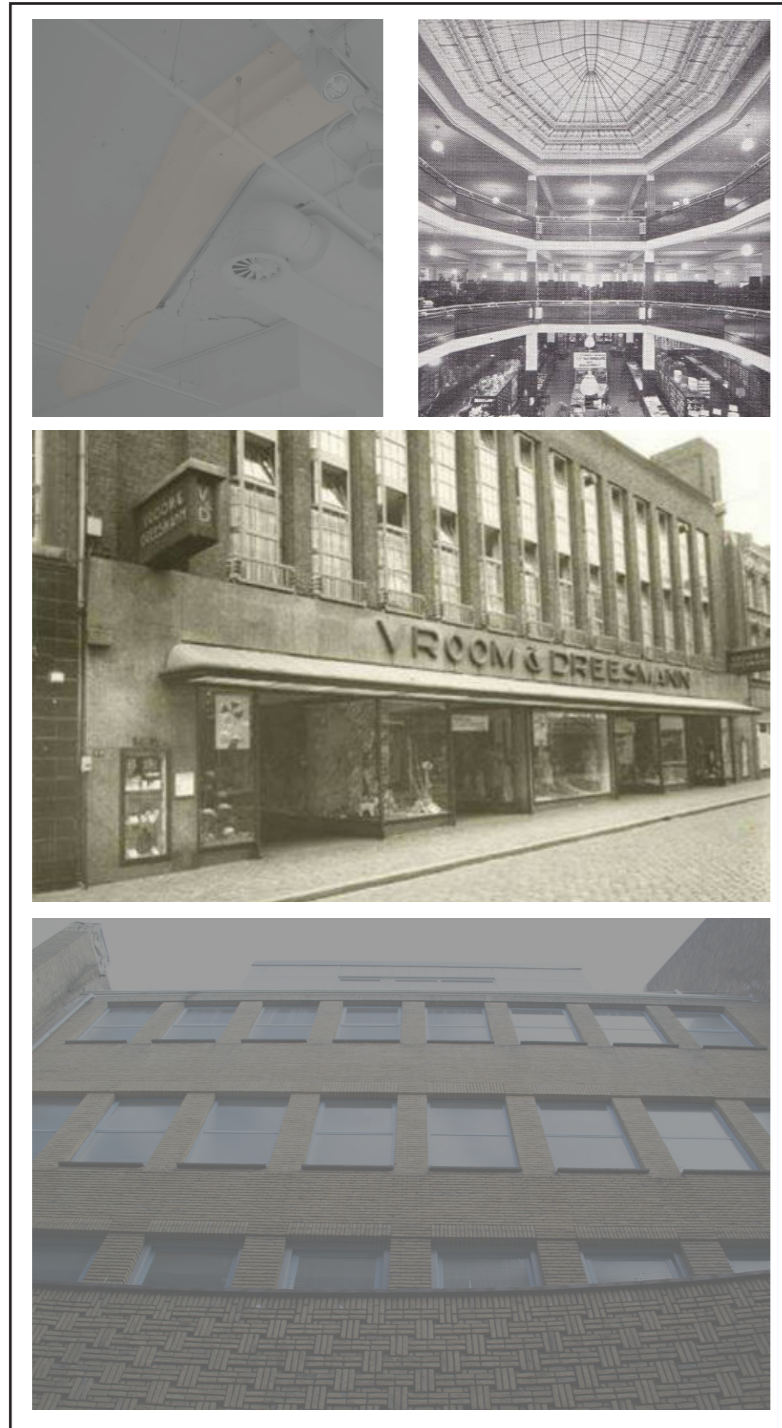
Low engaging value of the current entrance and plinth. The atrium is not used to its full functional potential. Façade on the corner of the Grote Staat and Vijfharingenstraat break with the rhythm in the surroundings.



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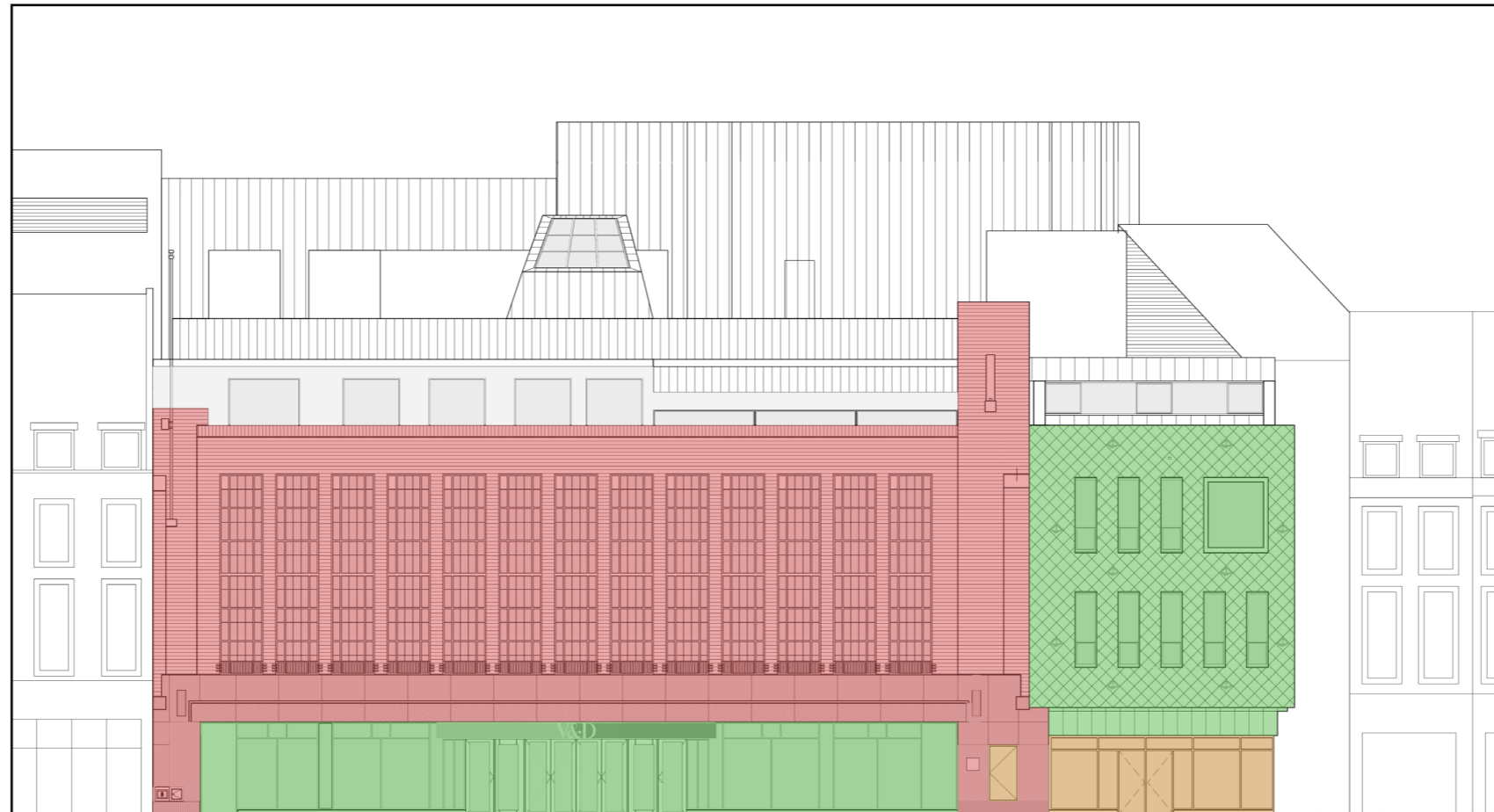
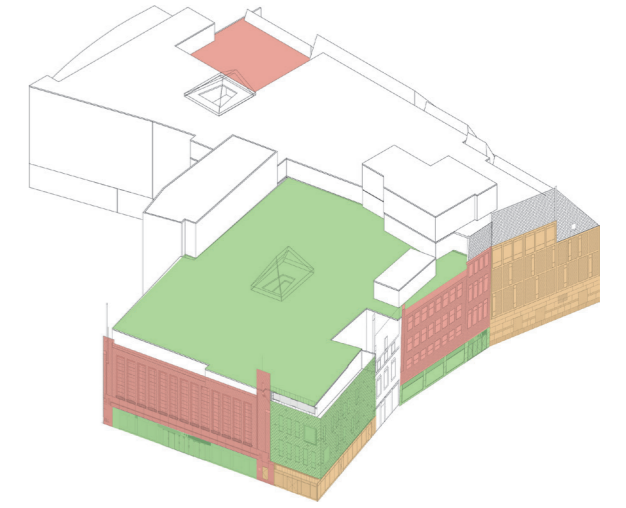


Low value

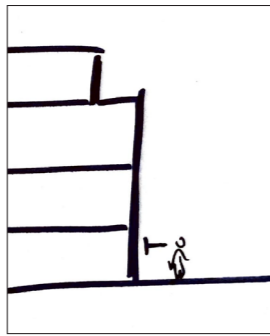
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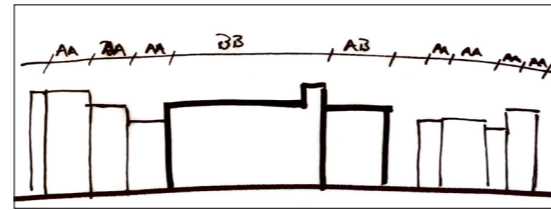
Value assessment



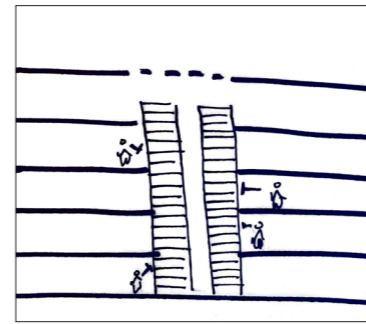
Design strategy



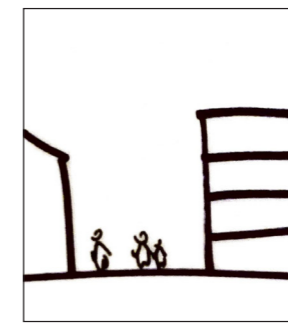
Open up



Fit in

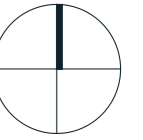


Connect



Extend

Transformation strategy



demolition

of the current main entrance and advertising space at the Grote Staat



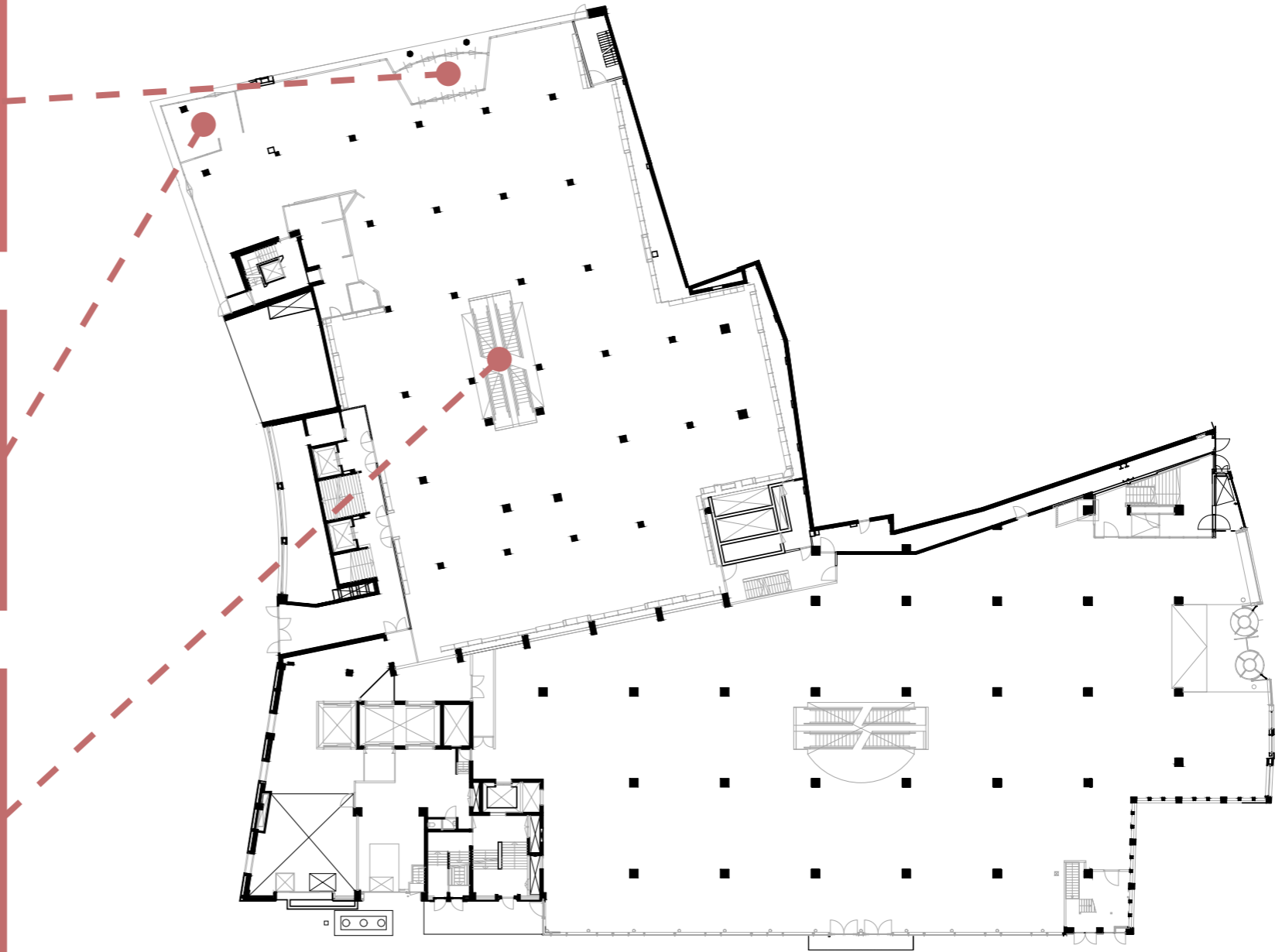
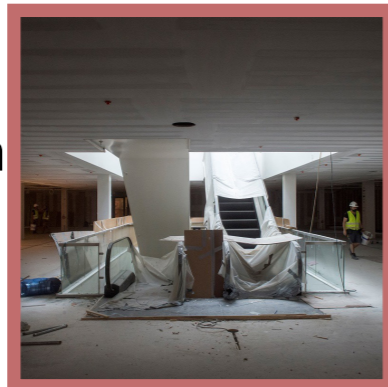
demolition

of the facade of the corner addition at the Grote Staat and the Vijfharingenstraat



demolition

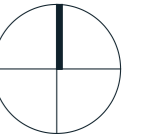
of the existing escalator space in the former atrium



Bottom image retrieved from De Limburger (2017)

Floor plan retrieved from SBT Research

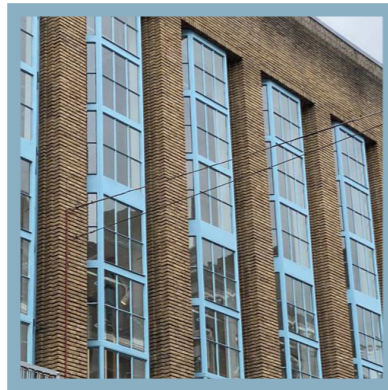
Transformation strategy



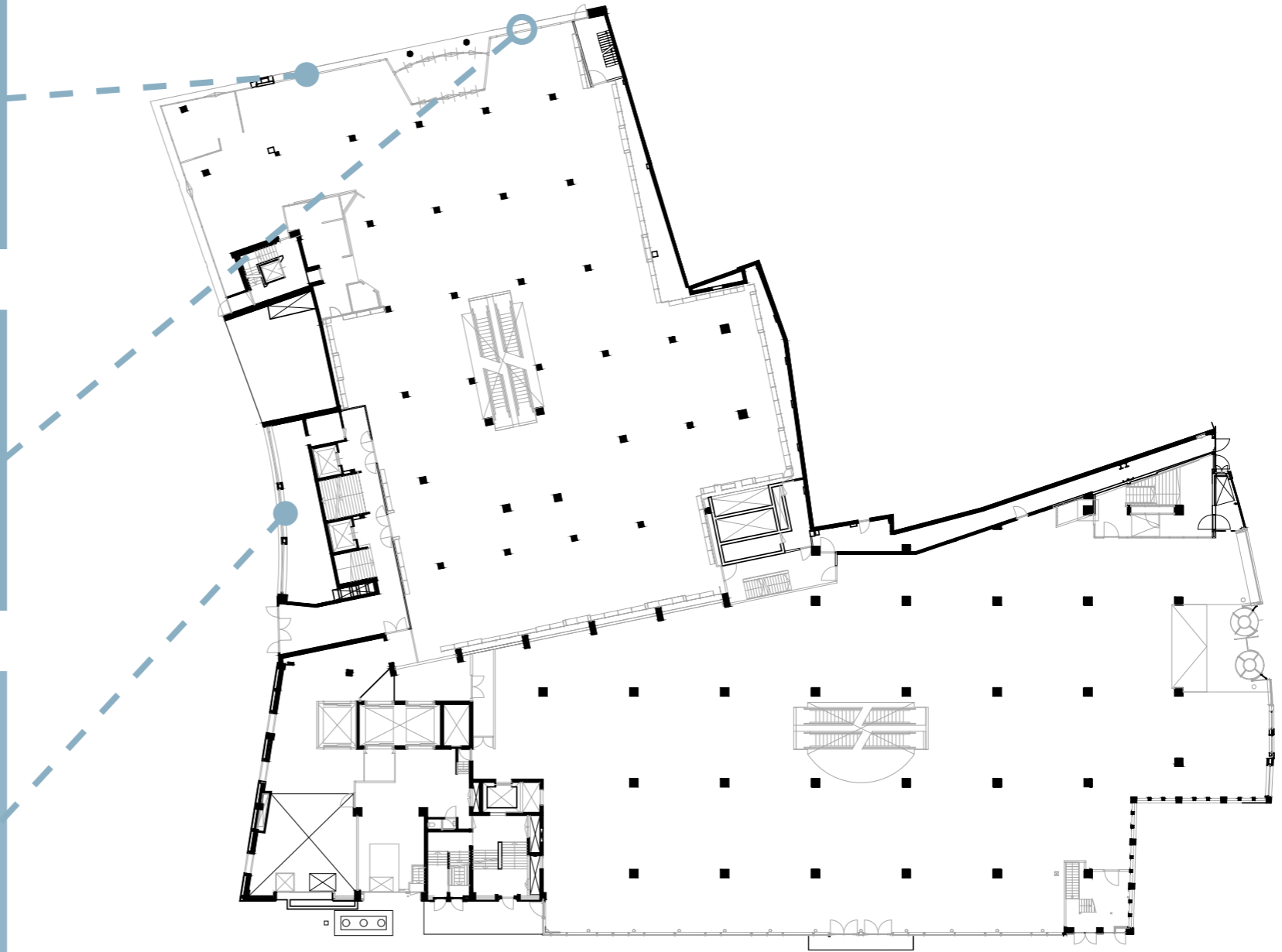
restoration
of the original 1932 facade
by cleaning the material
including the Belgian
bluestone plinth
Grote Staat



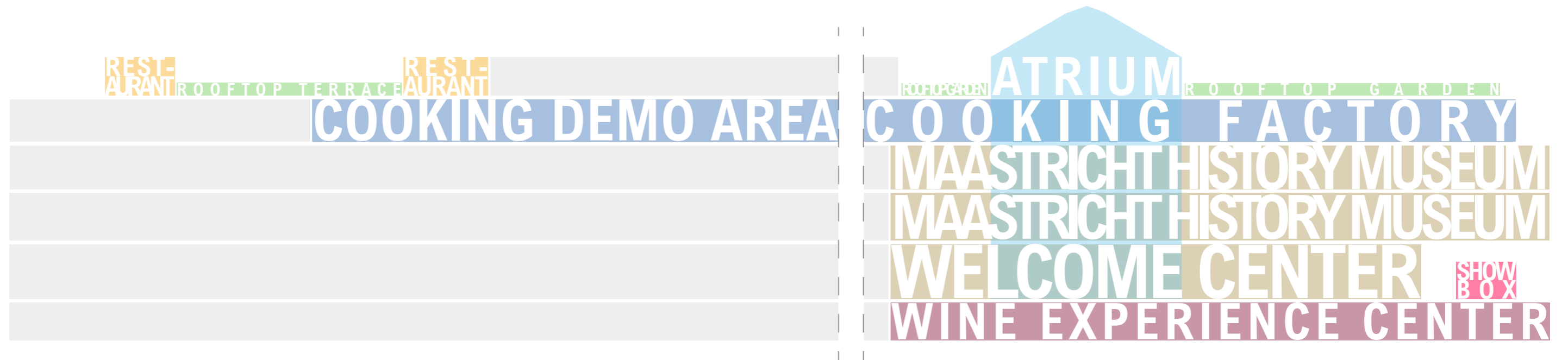
restoration
of the original steel
window frames in the
facade



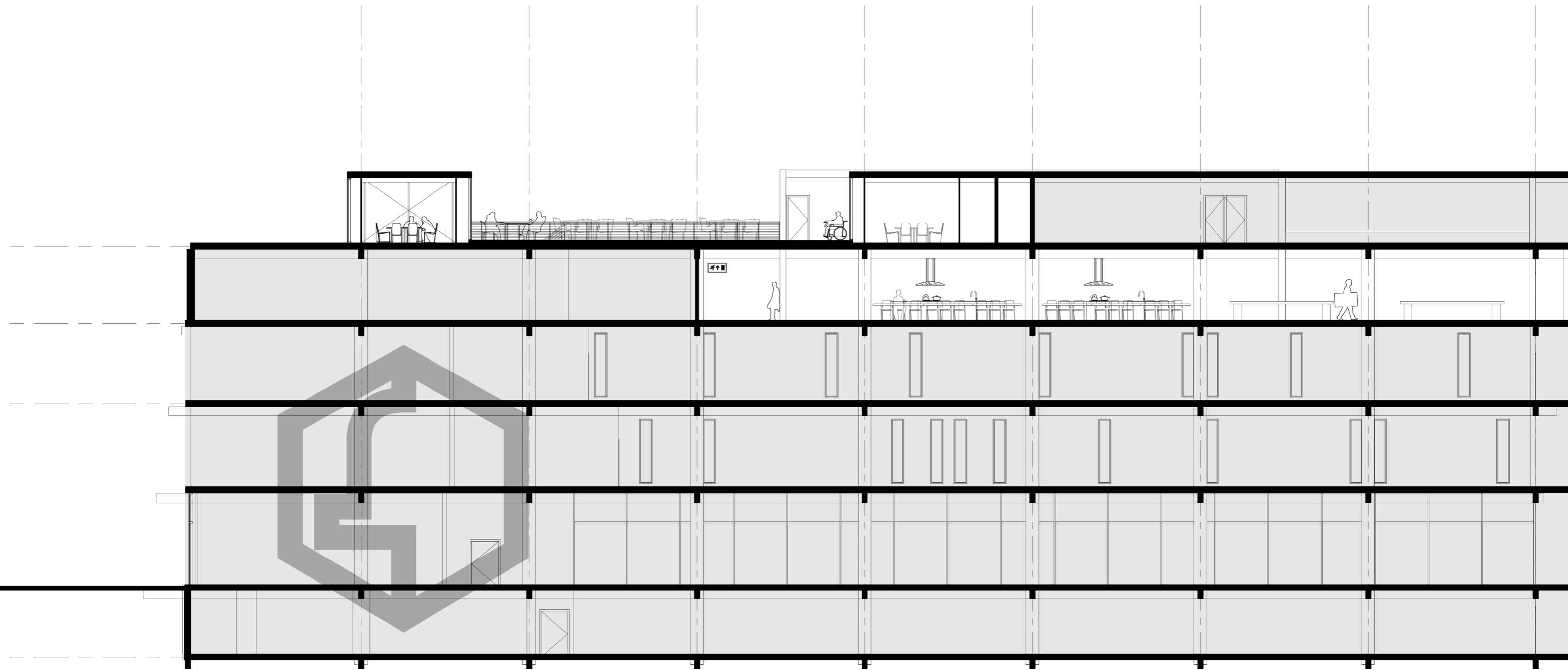
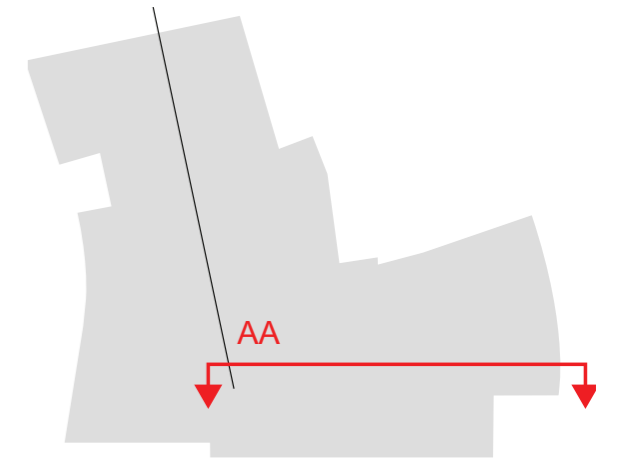
restoration
of the original 1932 facade
by cleaning the material
Vijfharingenstraat



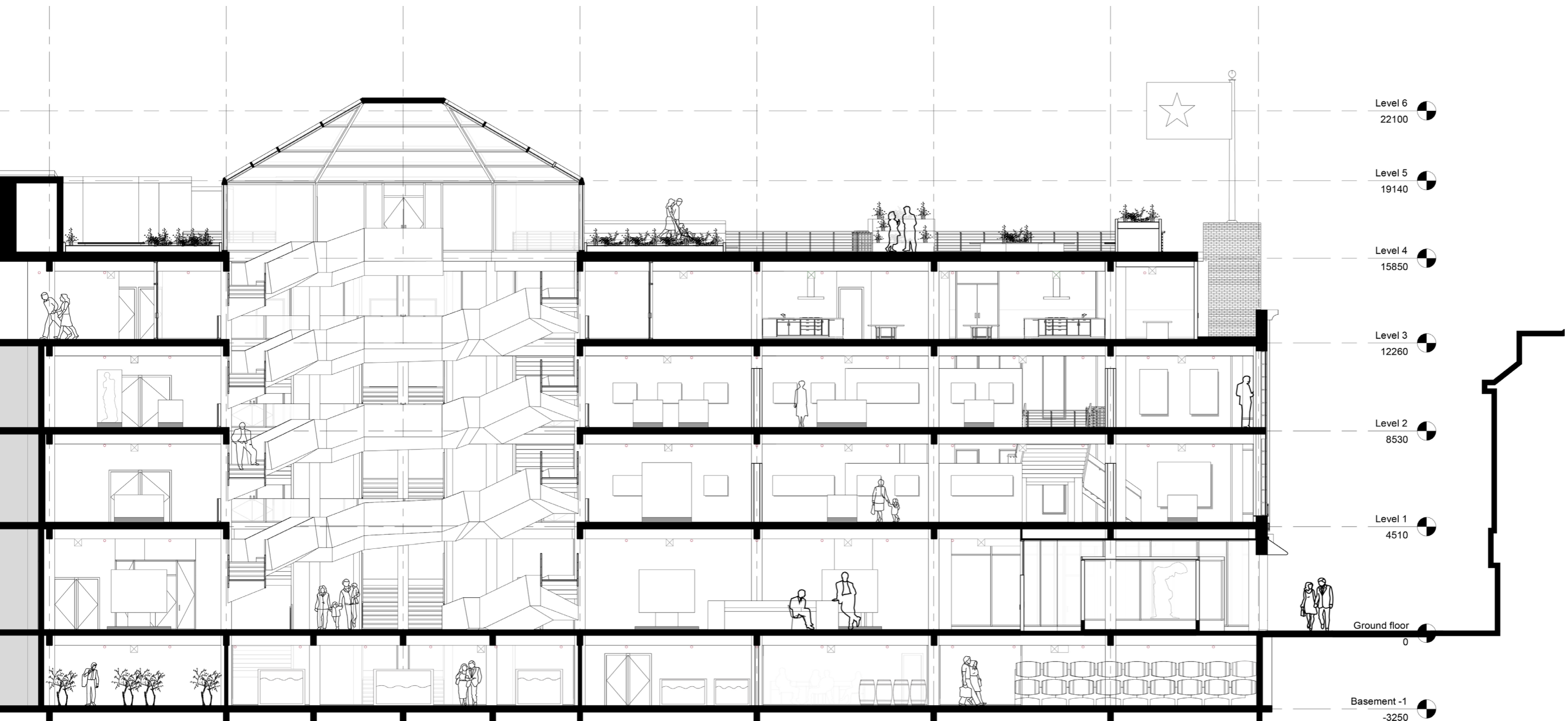
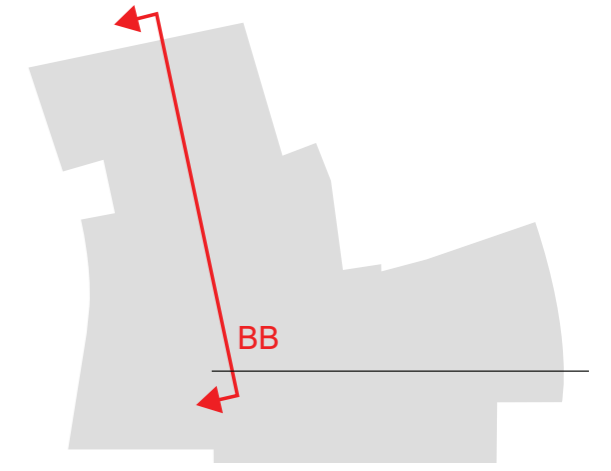
Building program - section



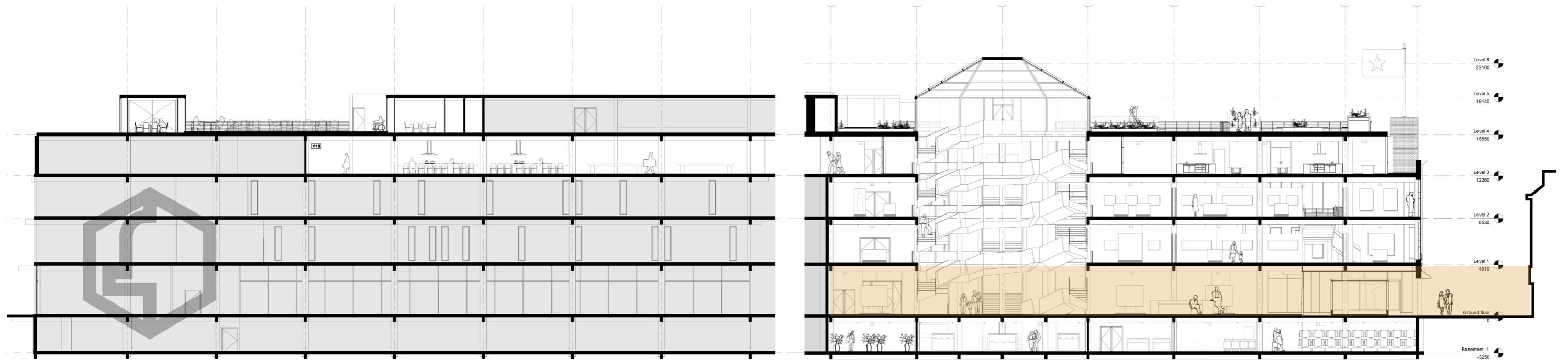
Layering of the building - section AA



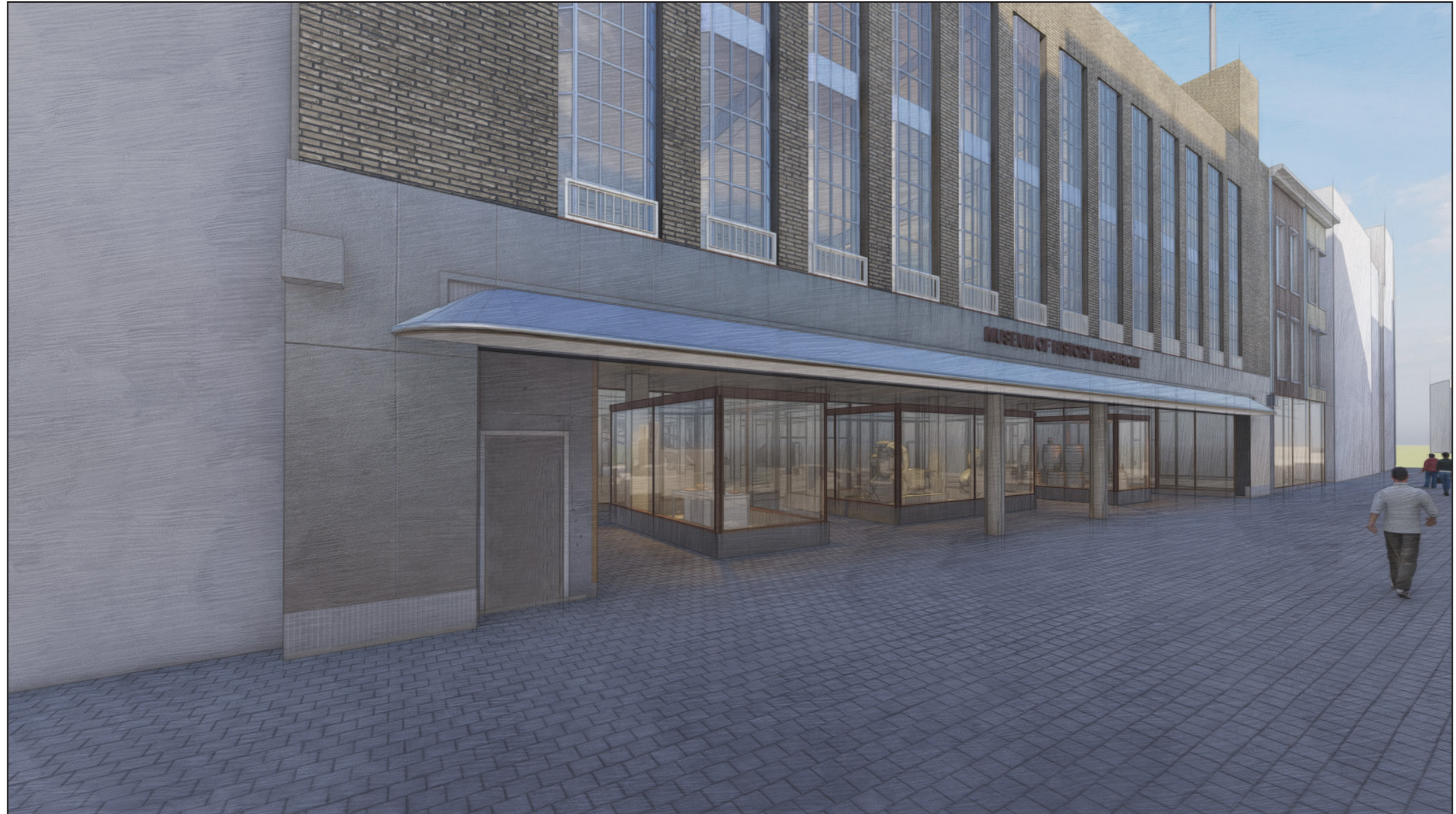
Layering of the building - section BB



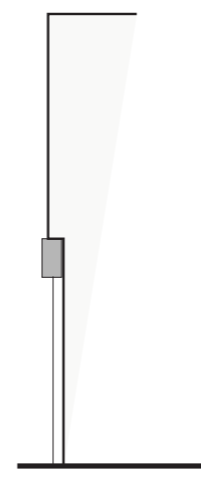
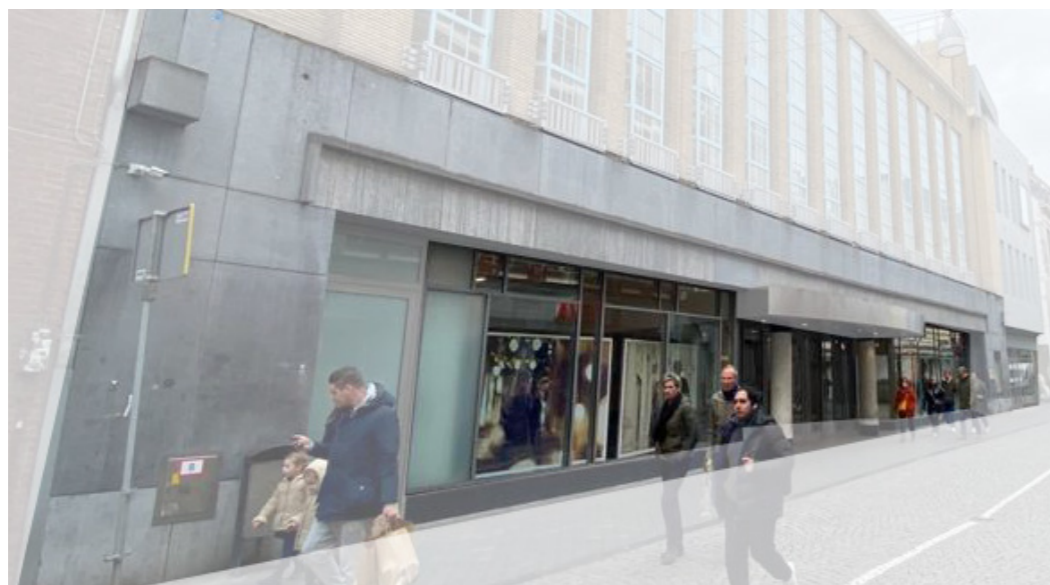
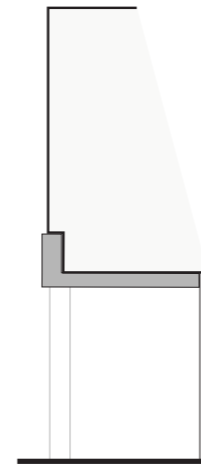
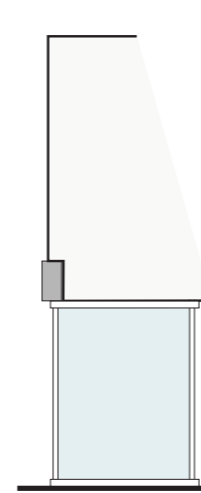
Welcome center and Museum shop - ground floor



Main entrance with show boxes - perspective approach

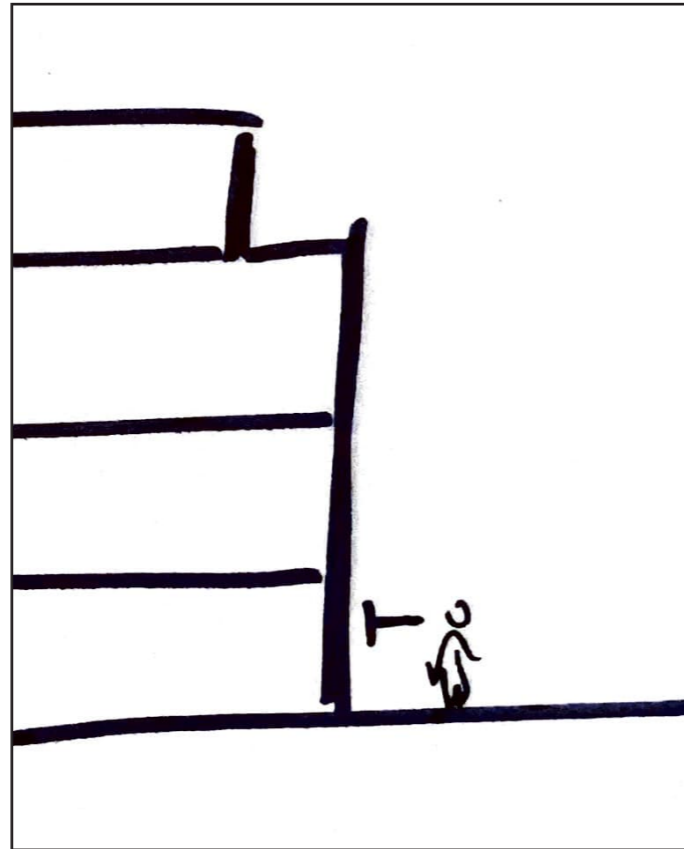


Plinth - stonework frame - development

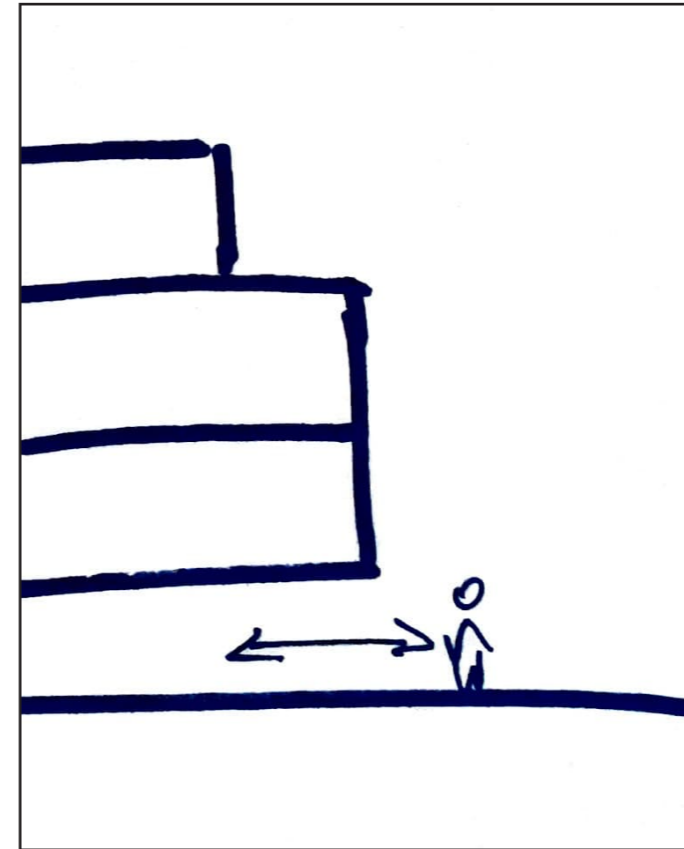


Images retrieved from RHCL Beeldbank (l.t.r. t.t.b: 1955, 1955, 1960, 1964)

Entrance opportunity - translation of the research



Closed character

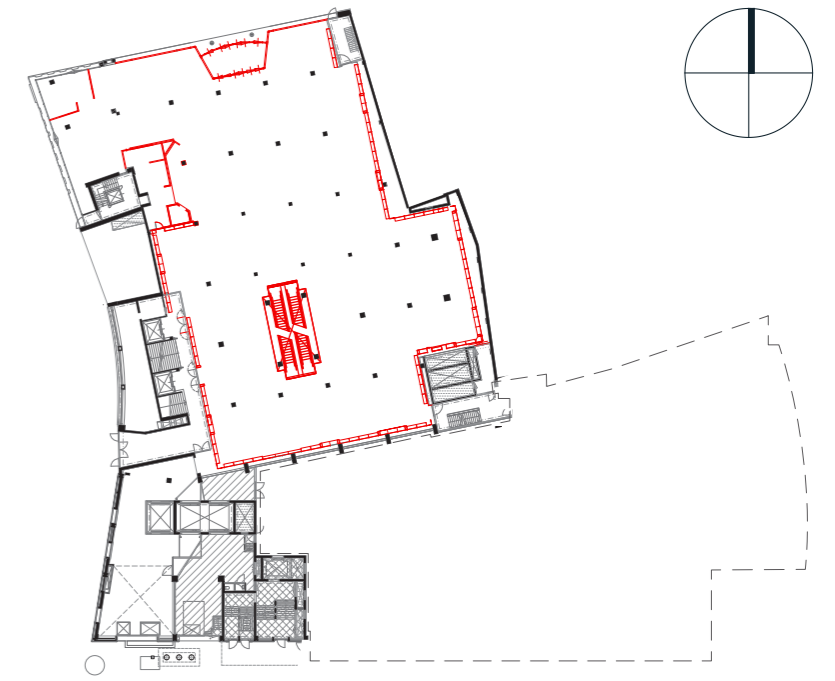
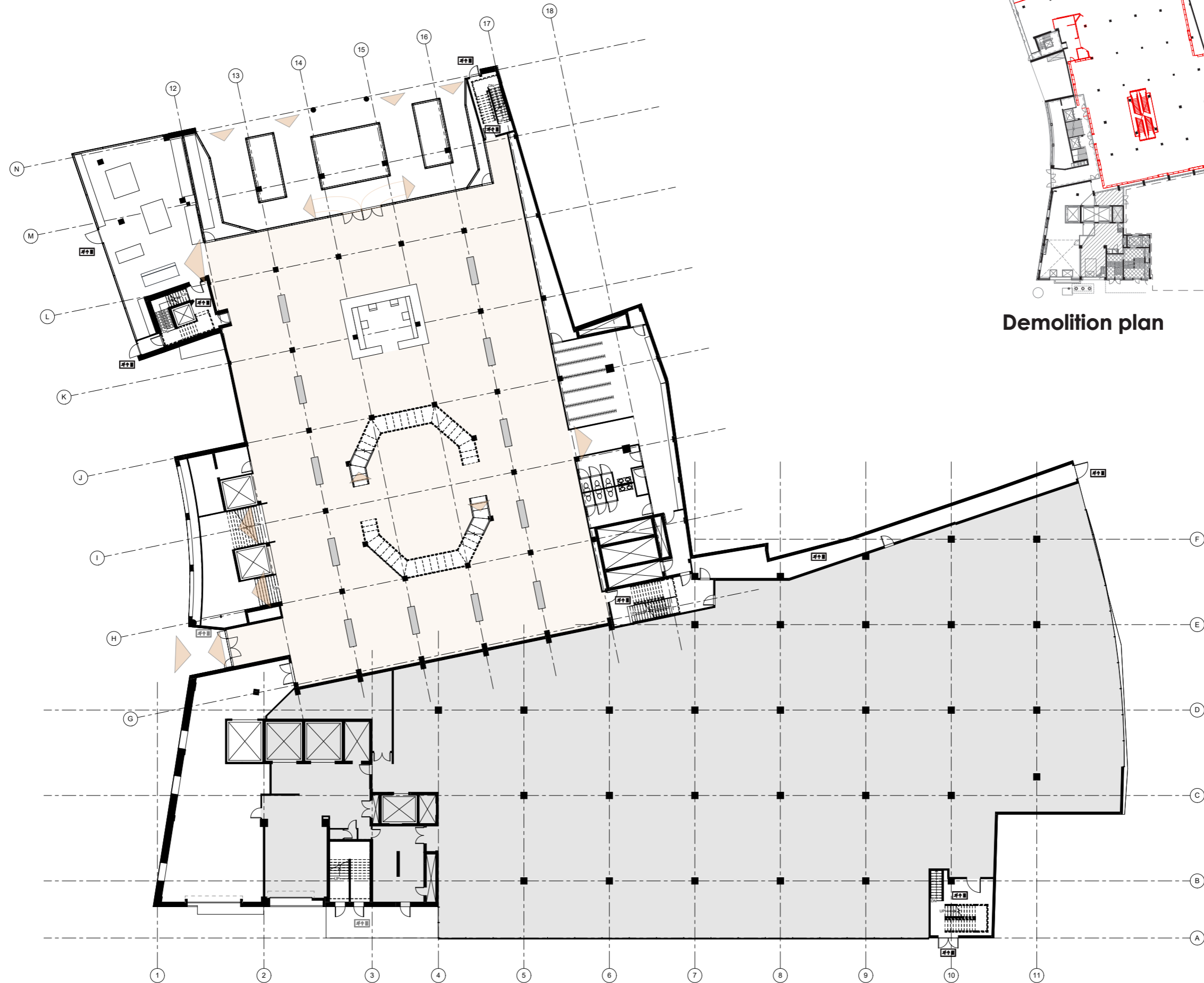


Opening up

Reflecting original design - past, present, proposed



Welcome center and museum shop - ground floor



Demolition plan

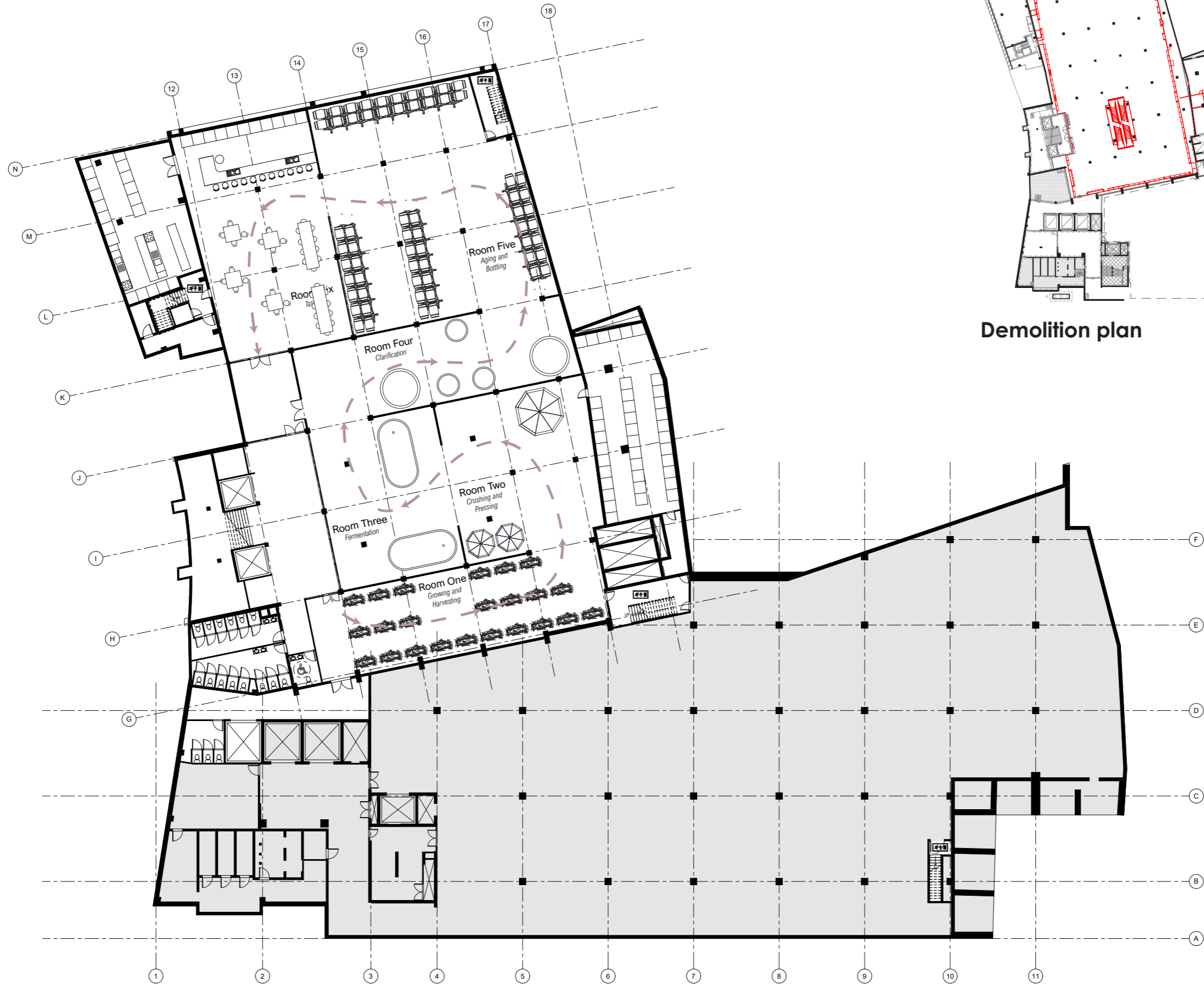
Wine experience center - basement



The wine bar - spatial impression

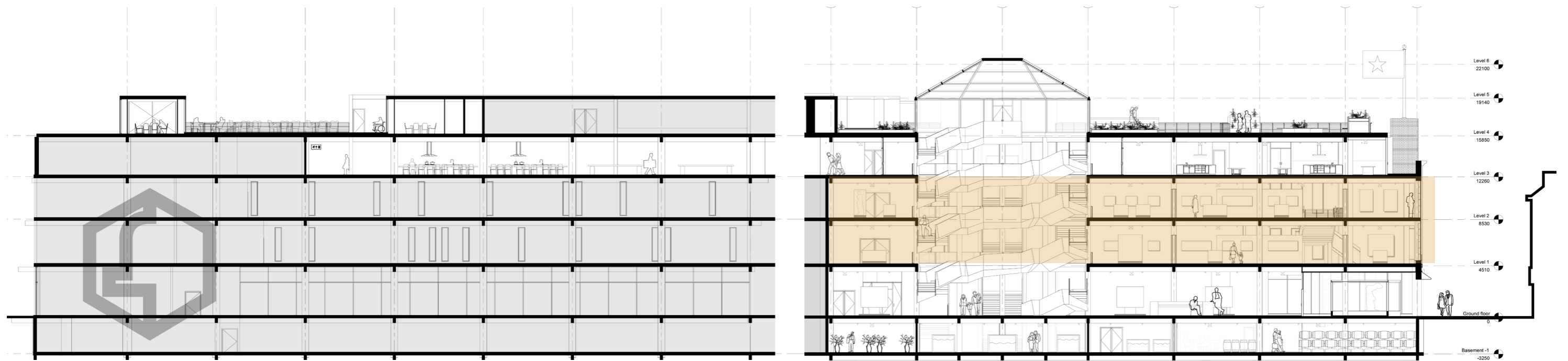


Routing wine tour - basement sequence



Demolition plan

History Museum of Maastricht - first and second floor



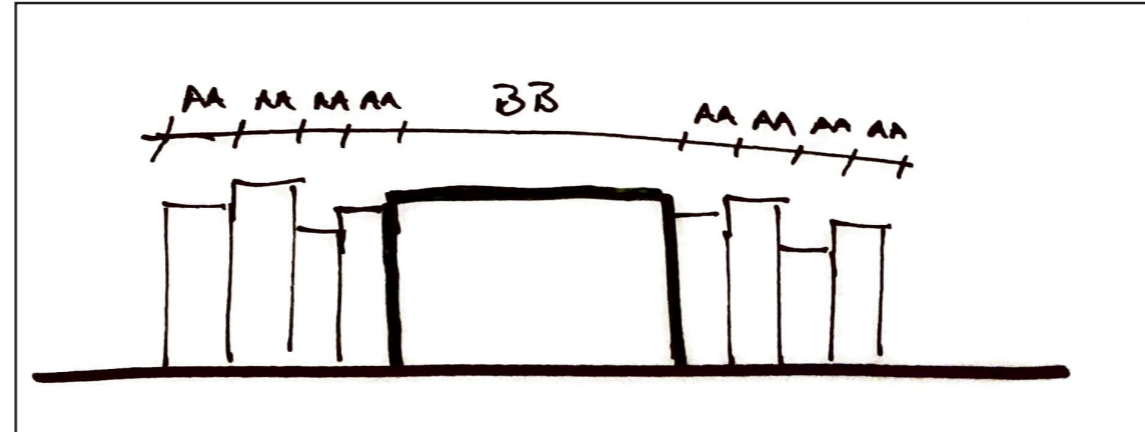
Exterior design of the museum corner - exterior impression



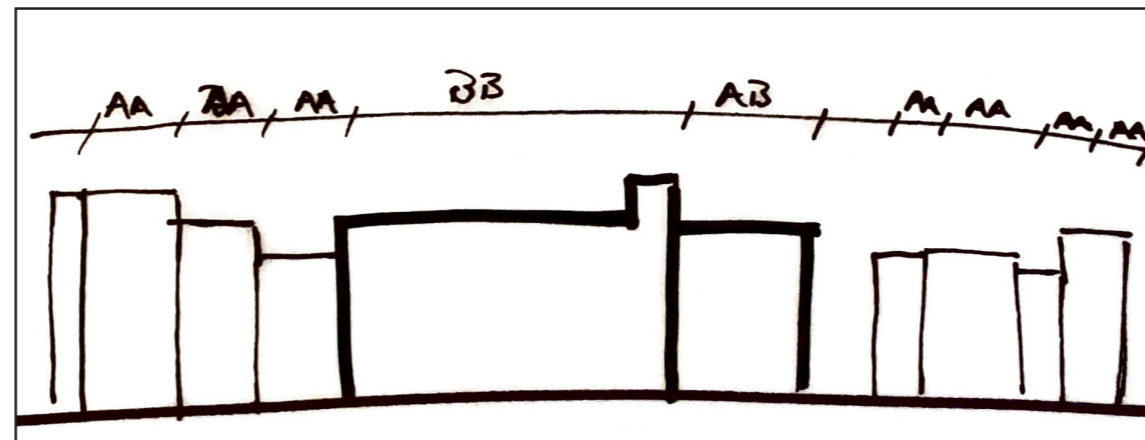
Façade design - original and current design



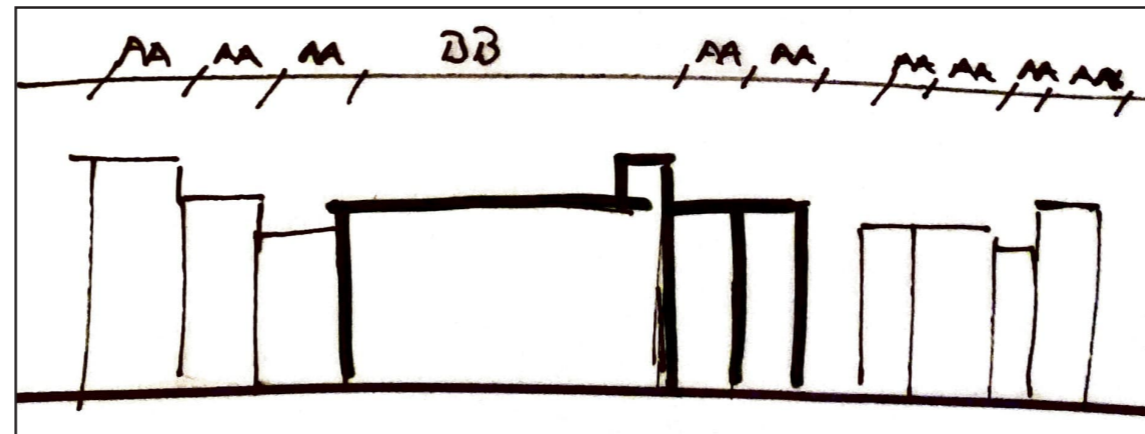
Façade rhythm - translation of the research



One contrasting object

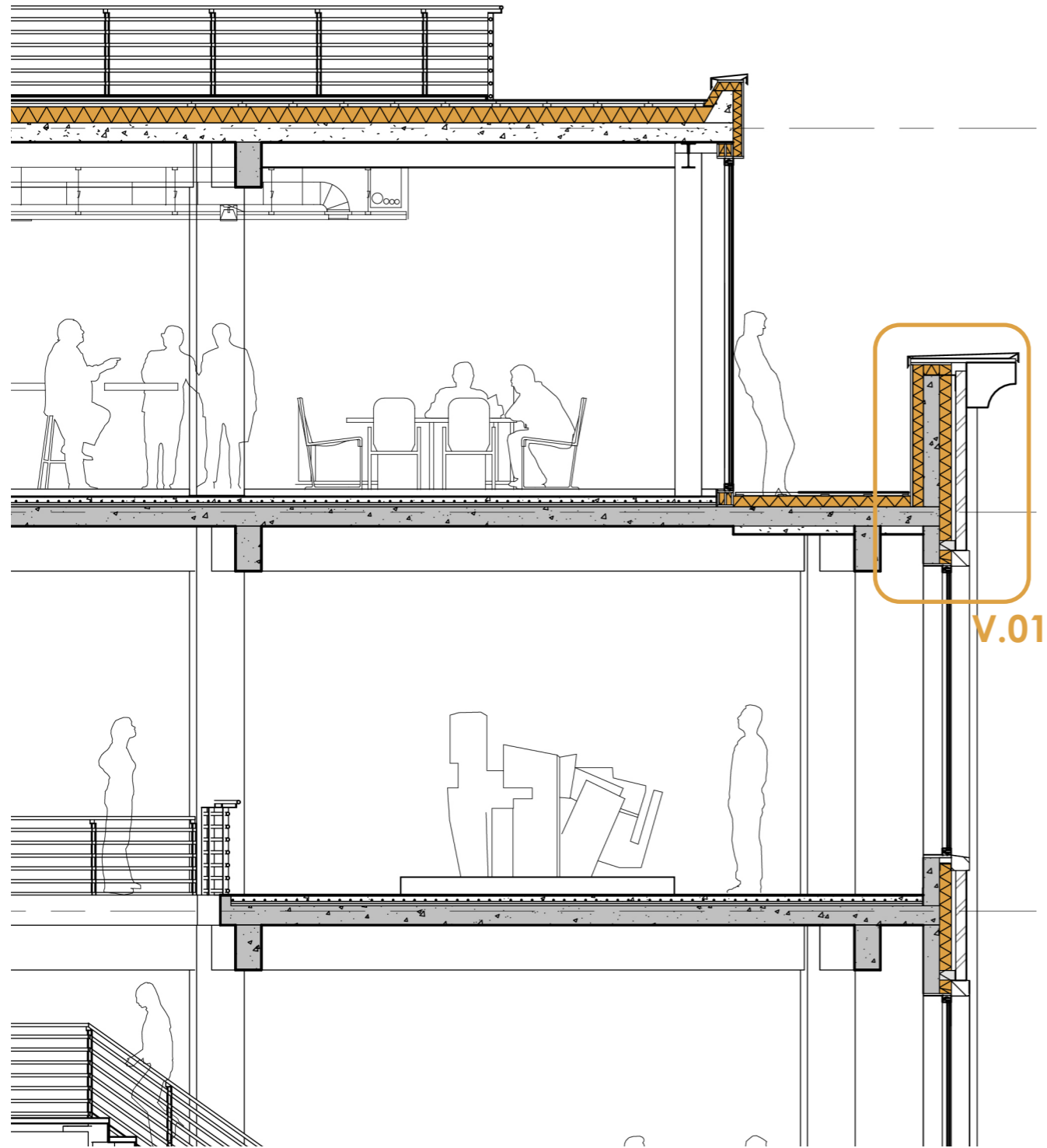


Two contrasting objects

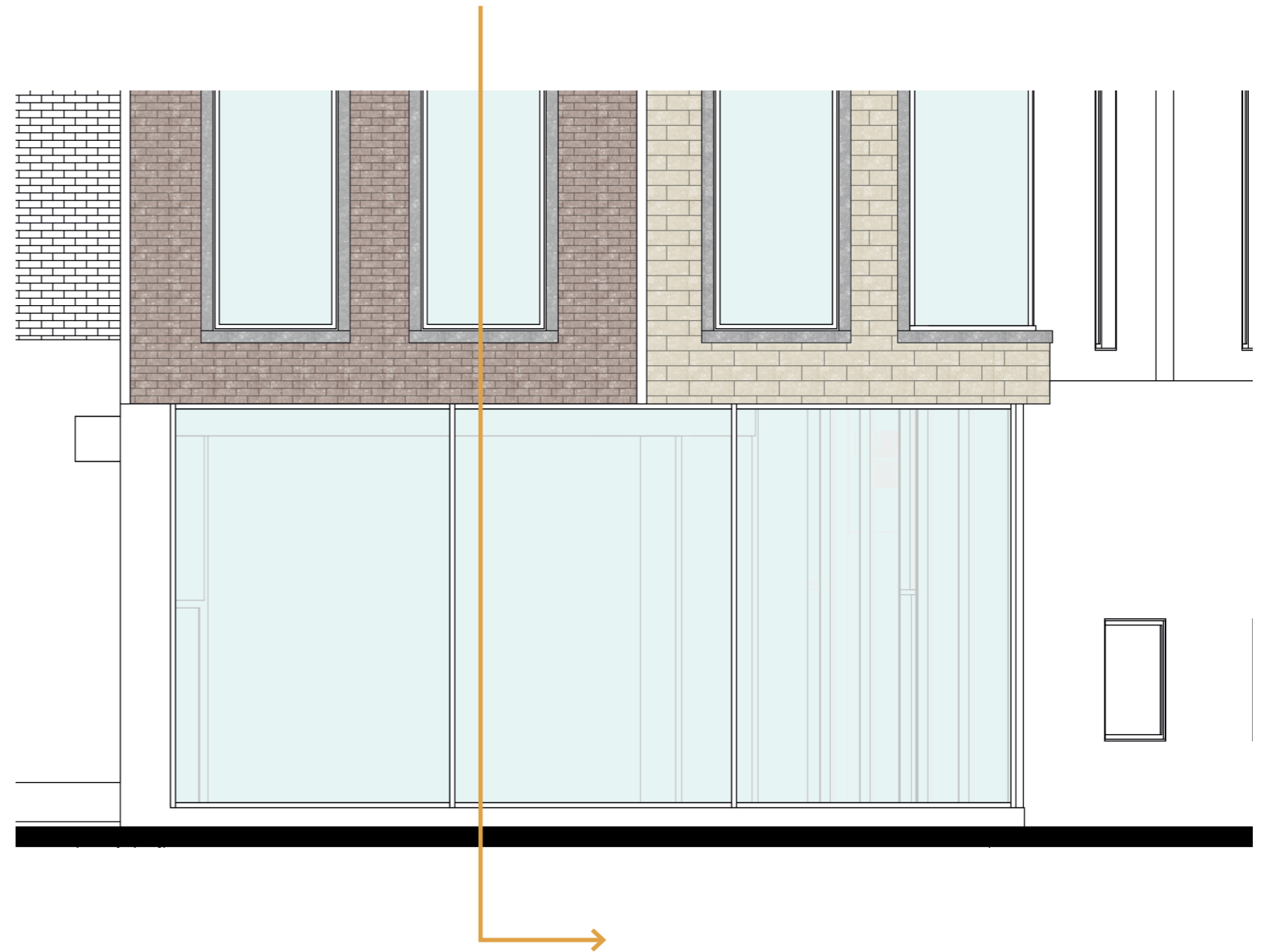
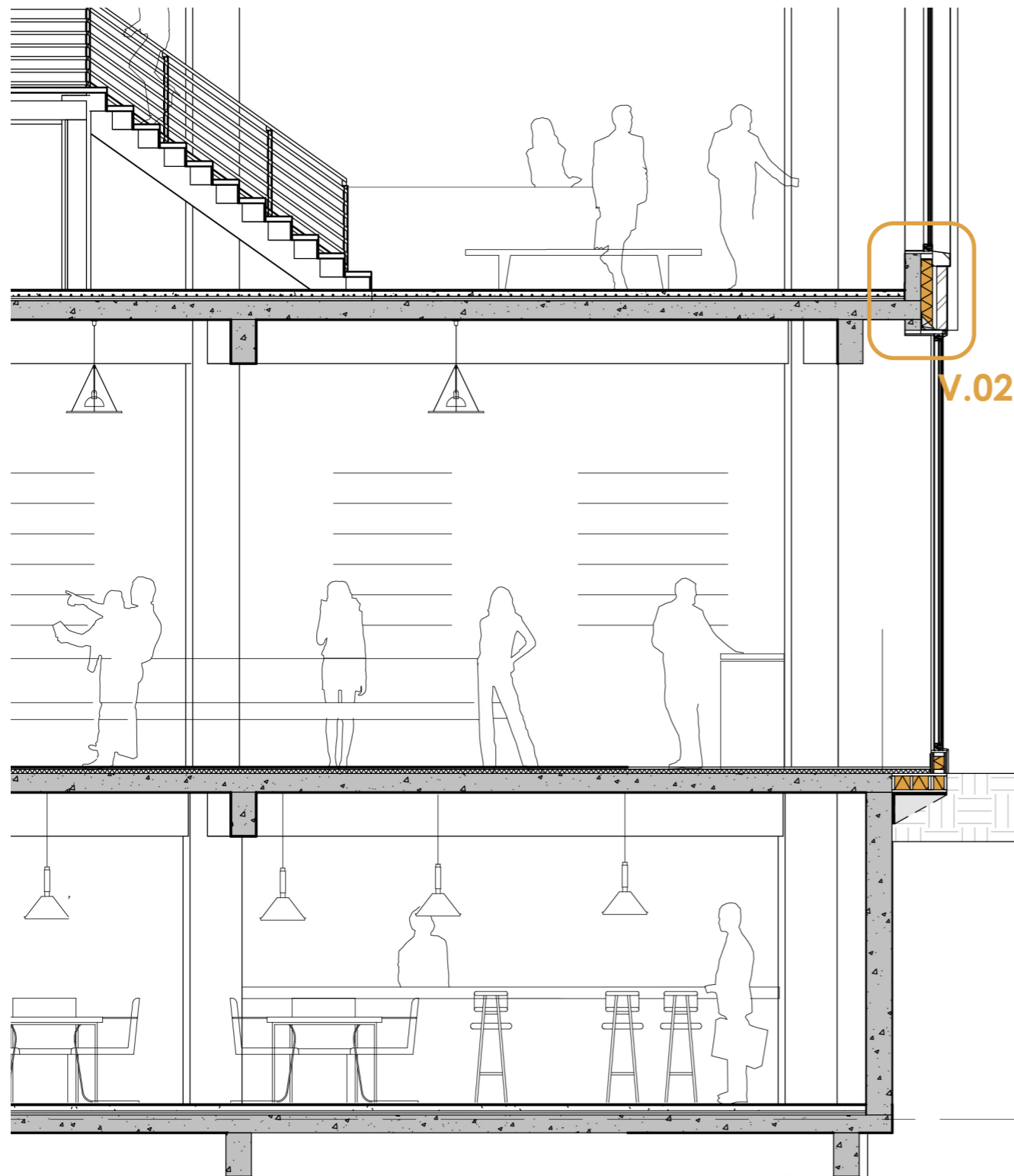


Refit with rhythm

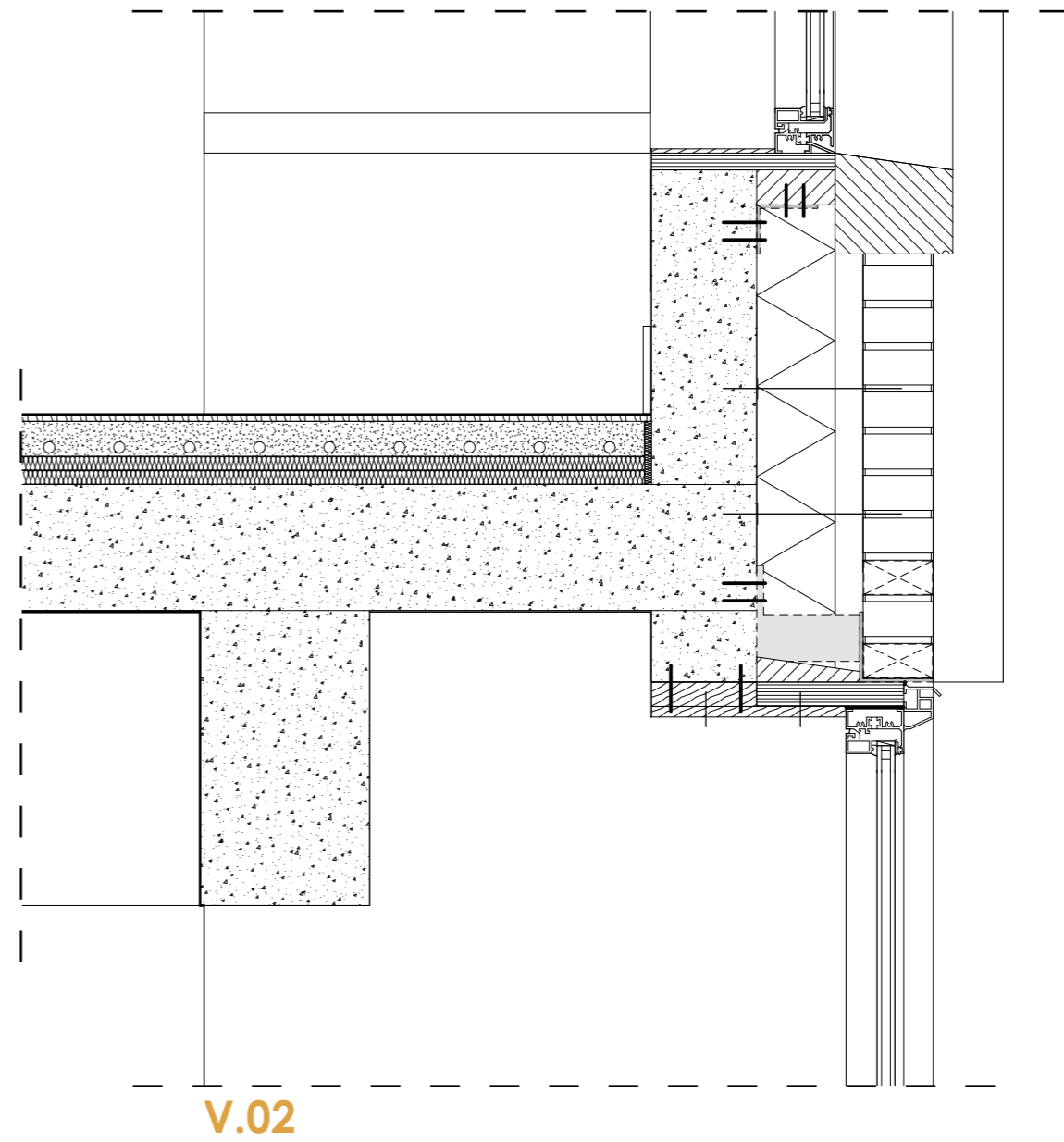
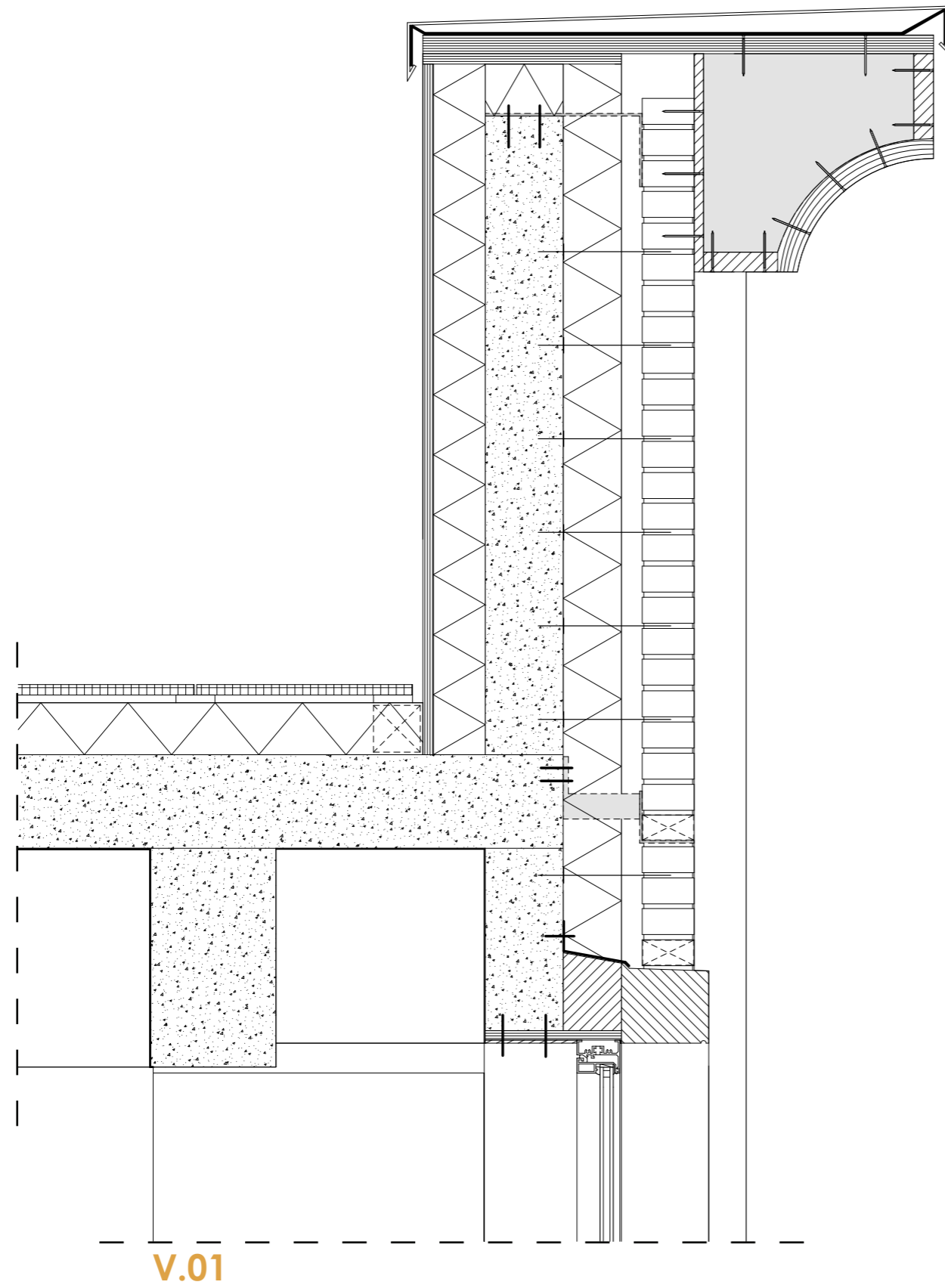
Museum corner - façade fragment scale 1:50



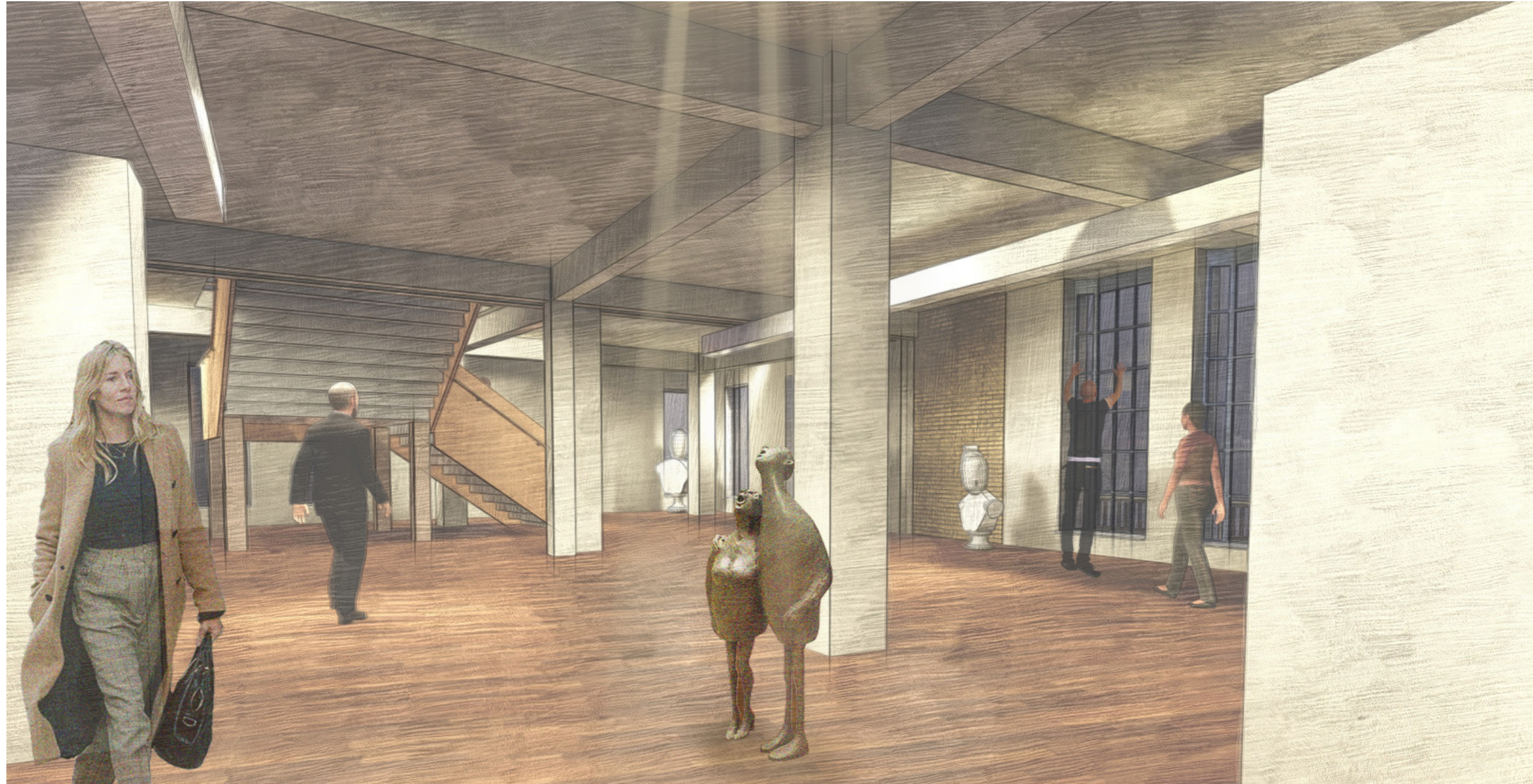
Museum corner - façade fragment scale 1:50



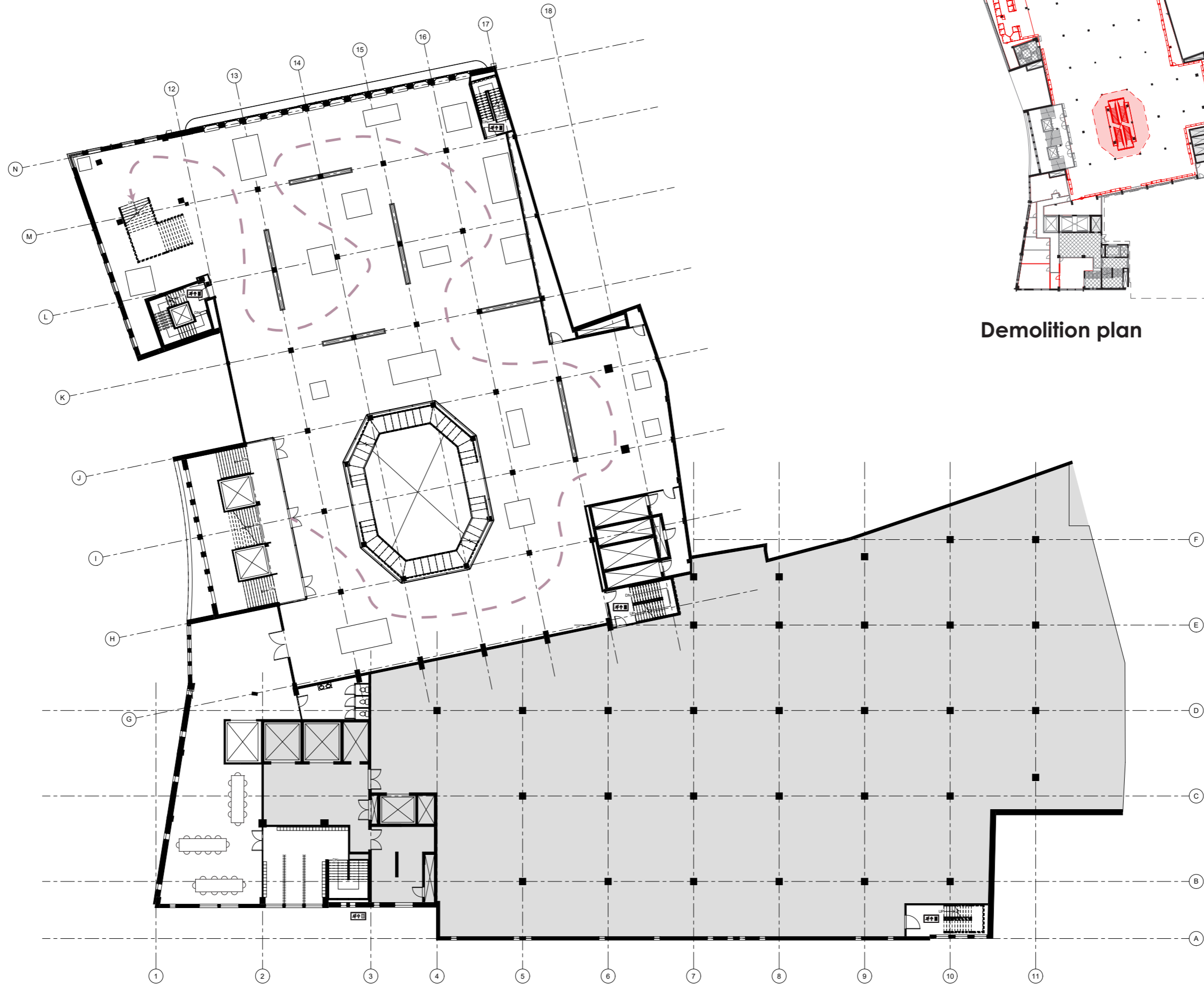
Museum corner - 1:5 detail - first and third floor connection



Vertical movement - museum corner first floor



Routing museum - first floor



Demolition plan

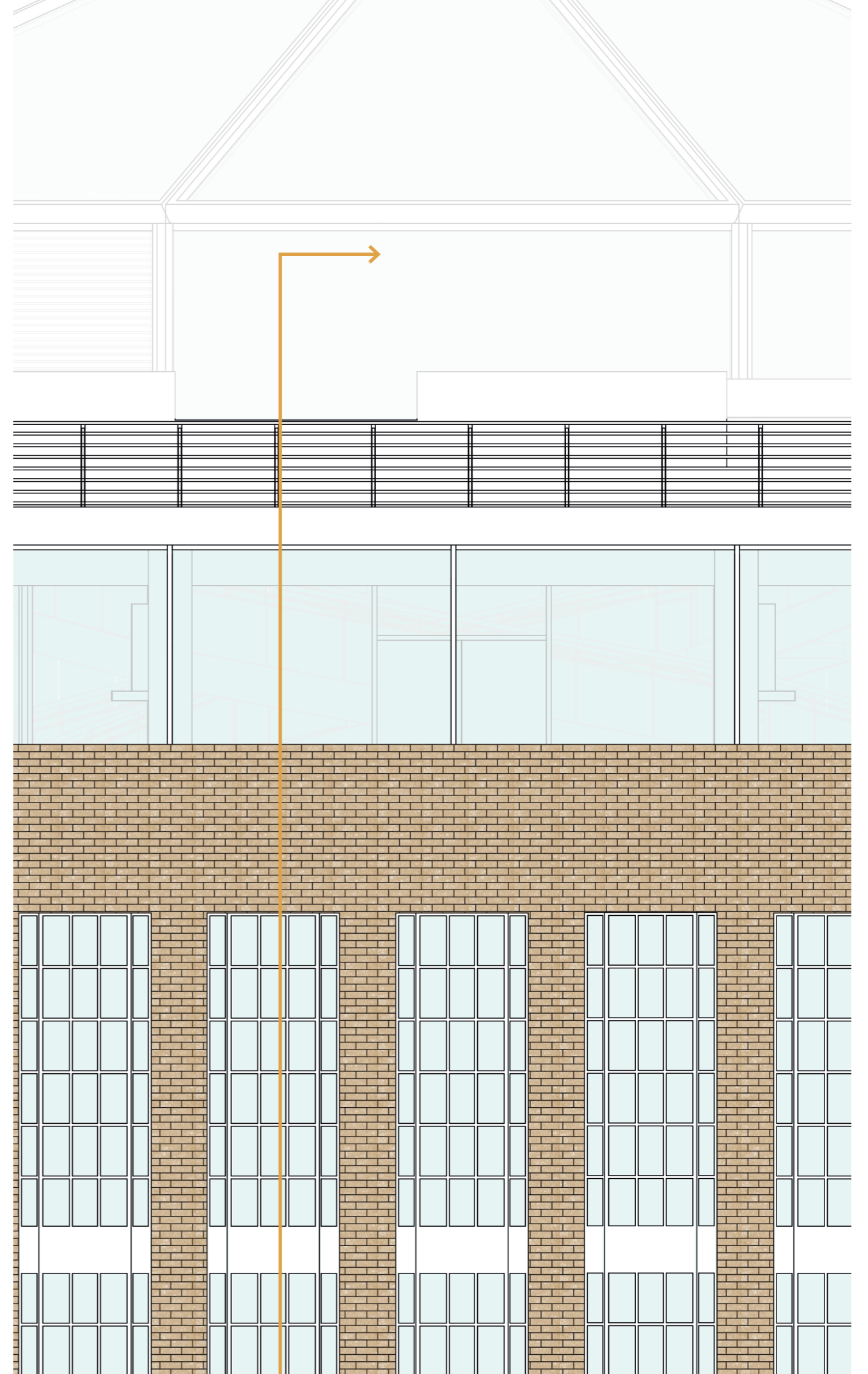
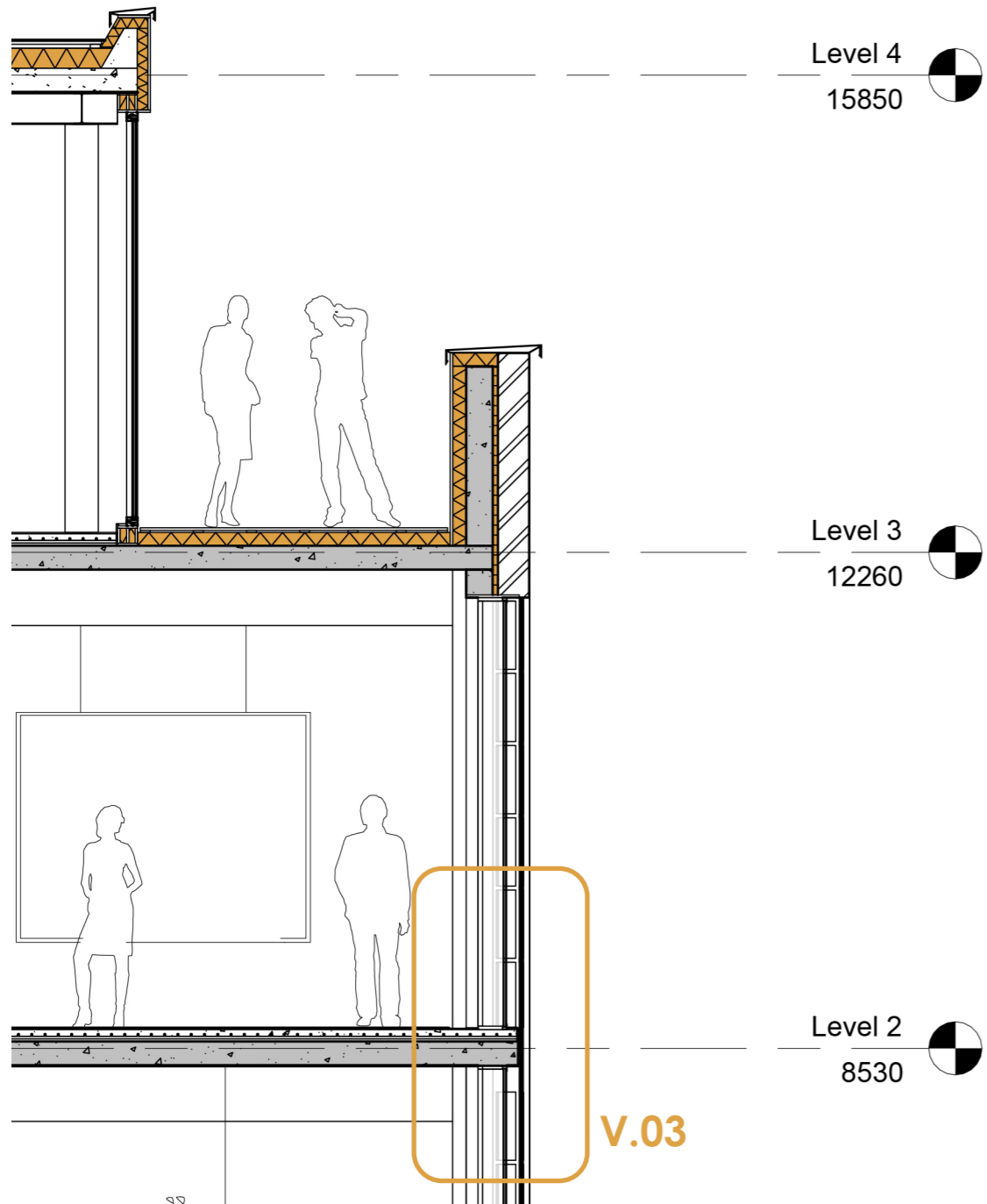
Show boxes at night - main entrance



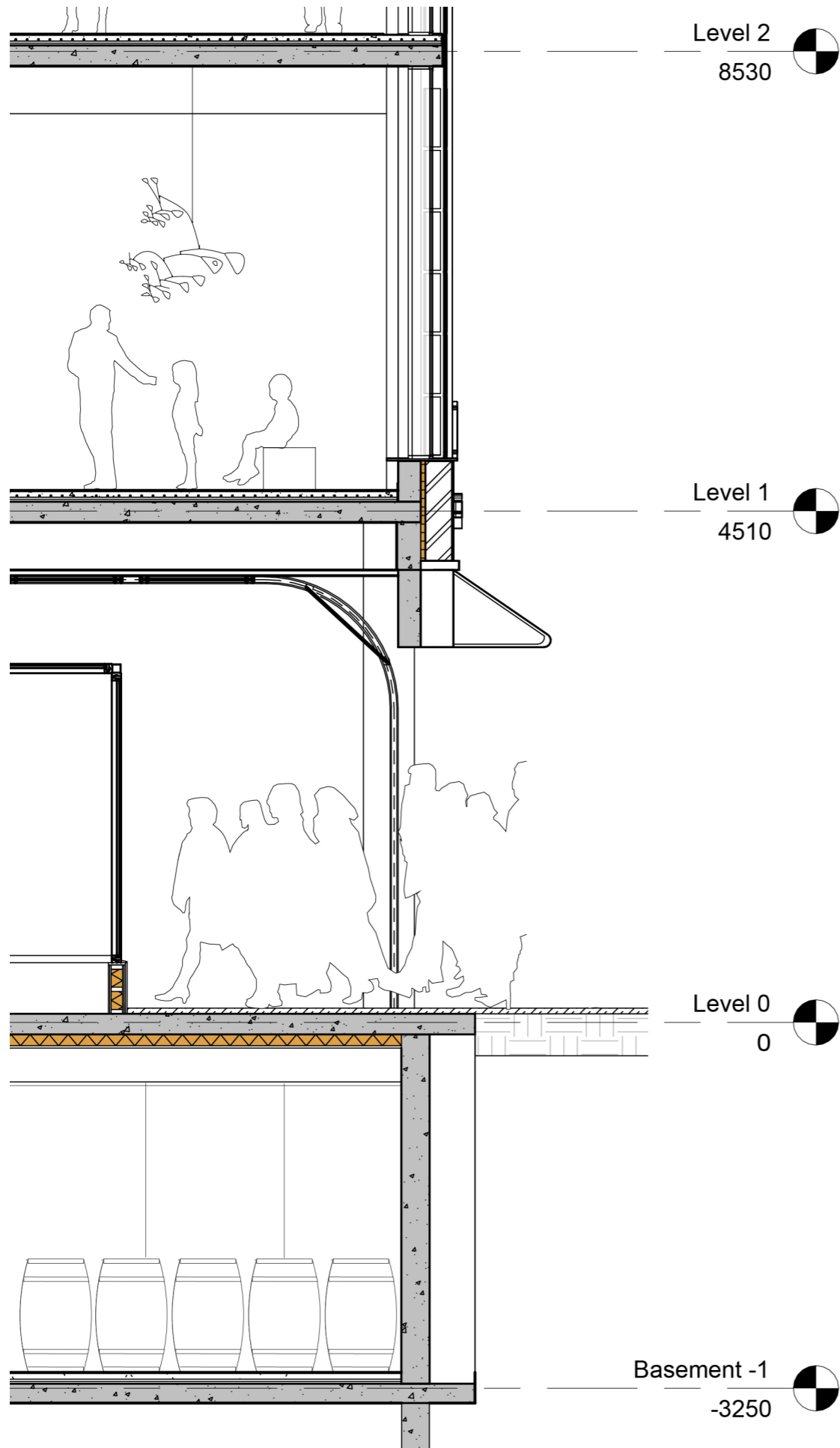
Window openings - main façade



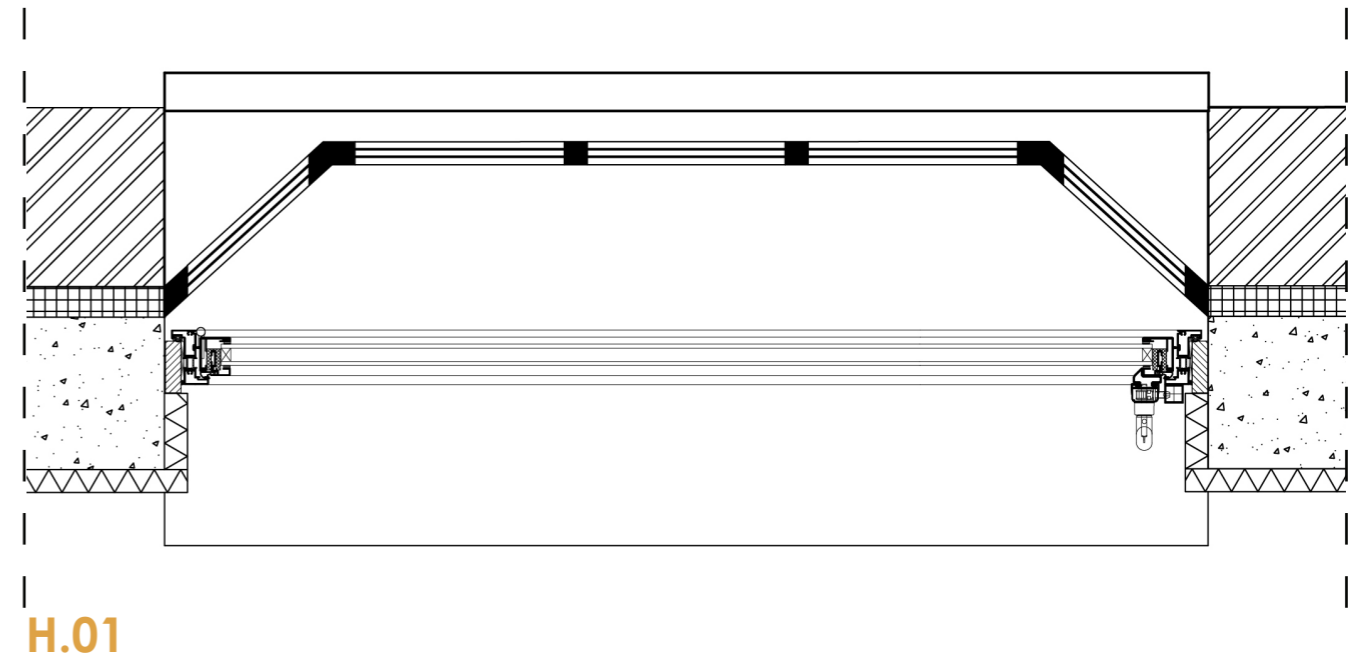
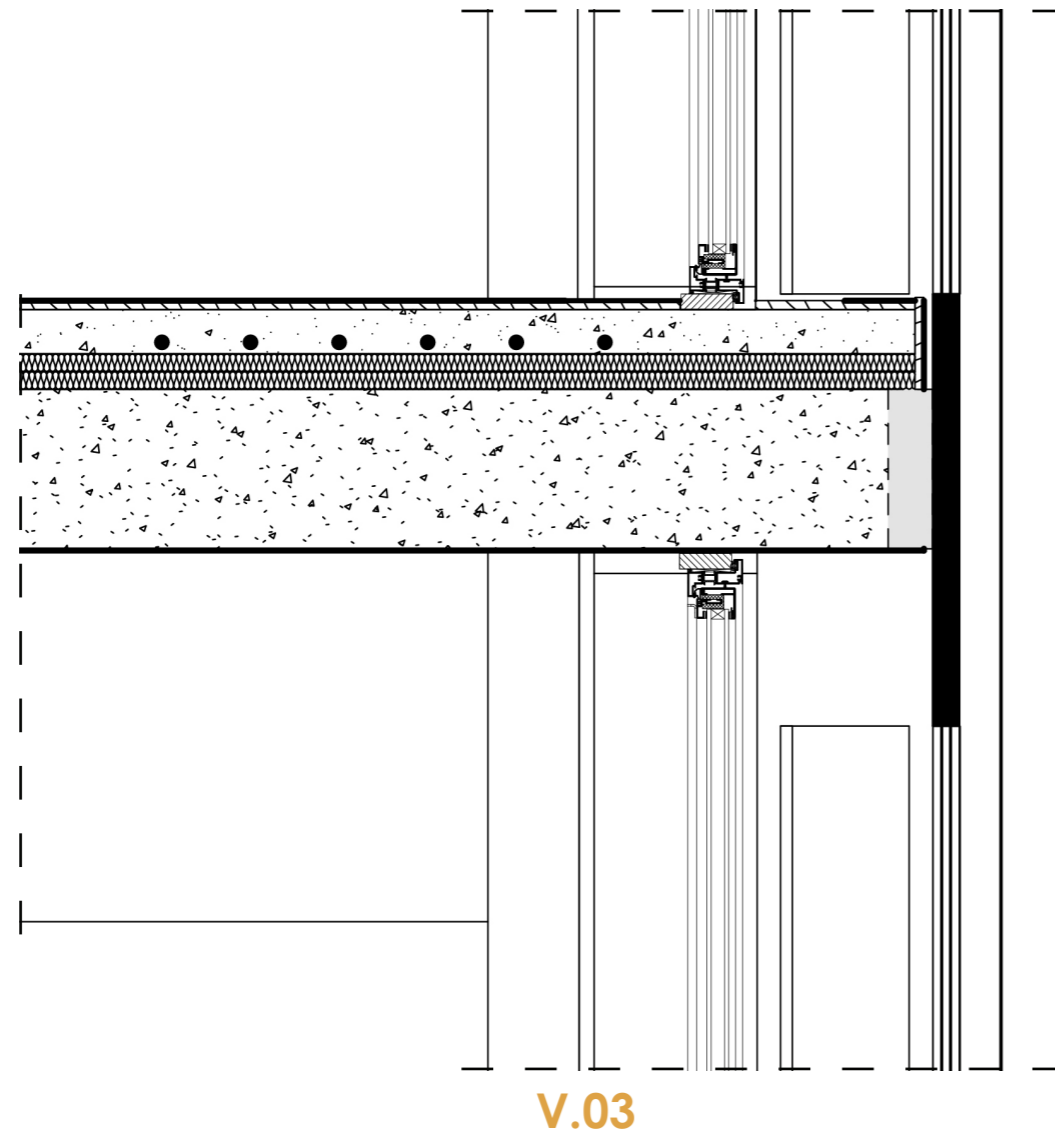
Original façade - façade fragment scale 1:50



Original façade - insulation principle - façade fragment scale 1:50 and 1:5 horizontal detail



Insulation principle - 1:5 vertical detail



Double helix stairs - atrium second floor



Double helix stairs - view from top of stairs



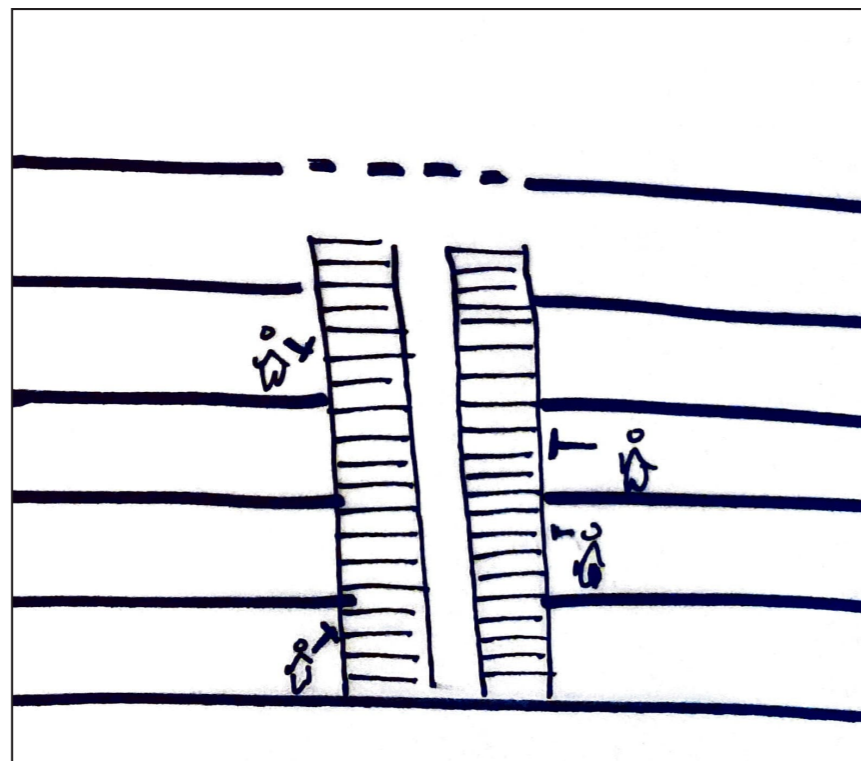
Interior - atrium



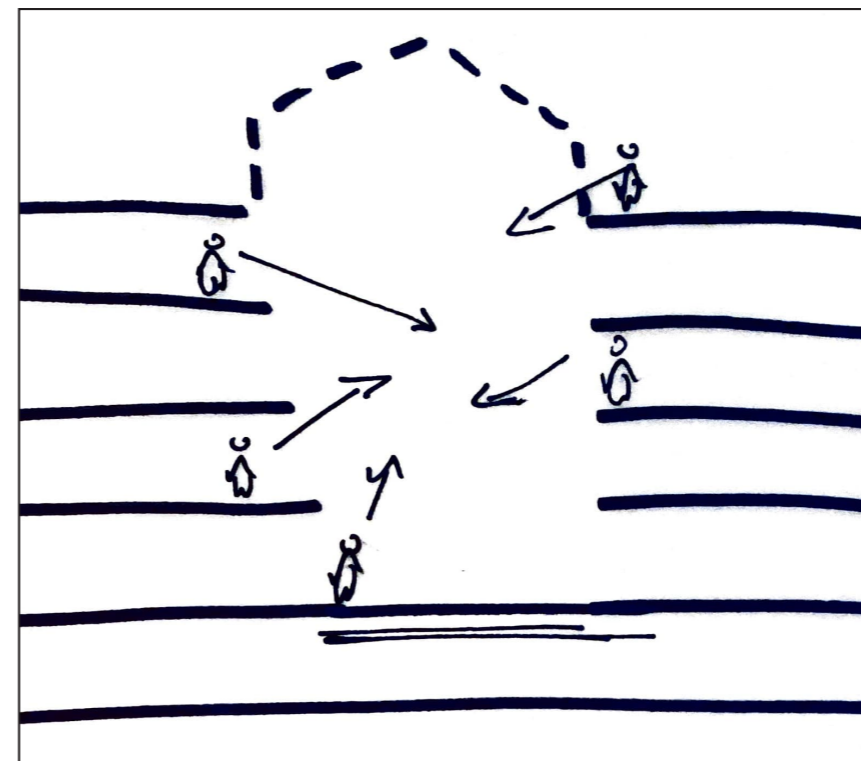
Left image retrieved from Forum Mestreechonline (presumably 1932-1934)

Right image retrieved from De Limburger (2017)

Atrium - translation of the research

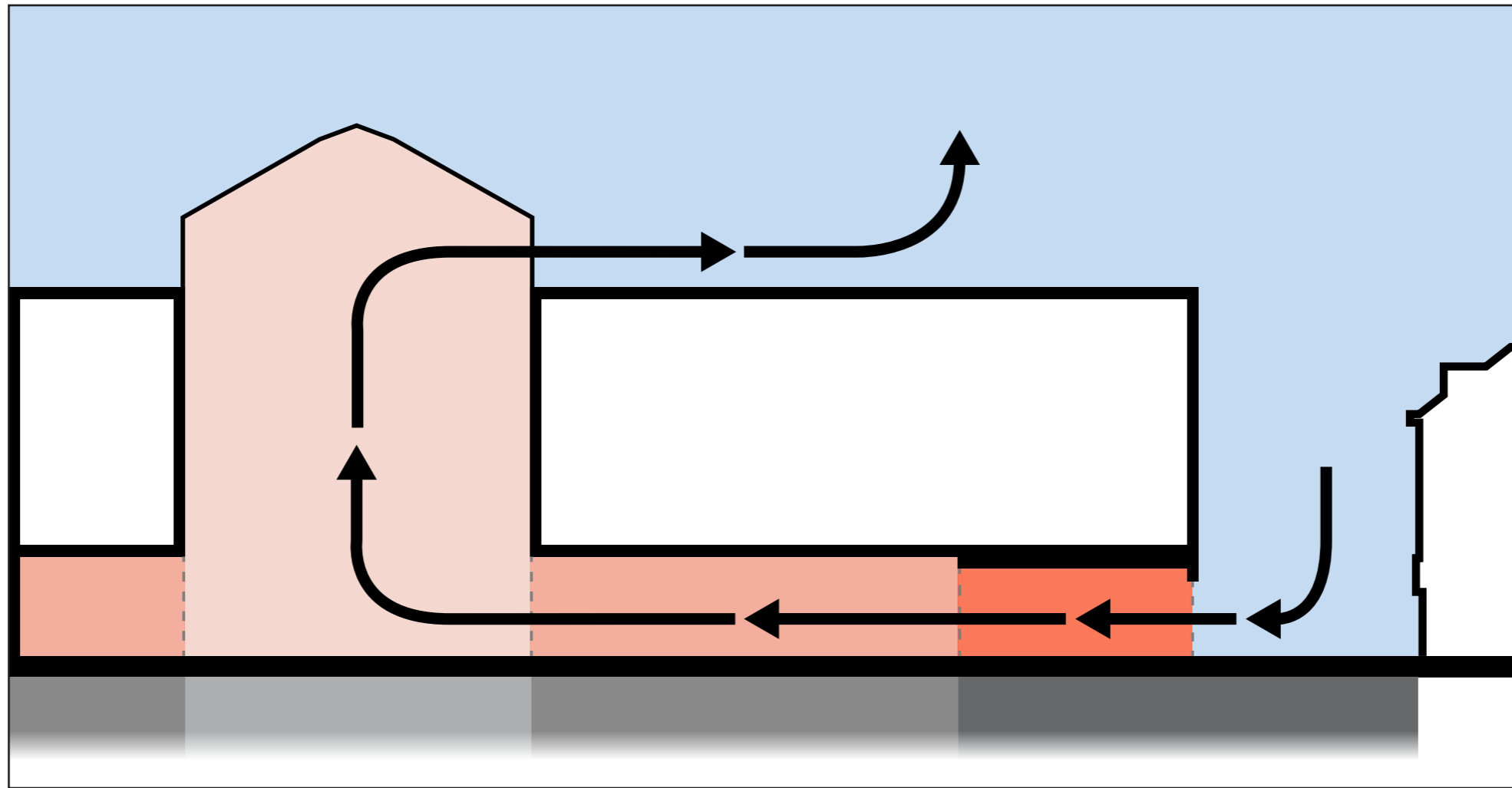


Absence of connection

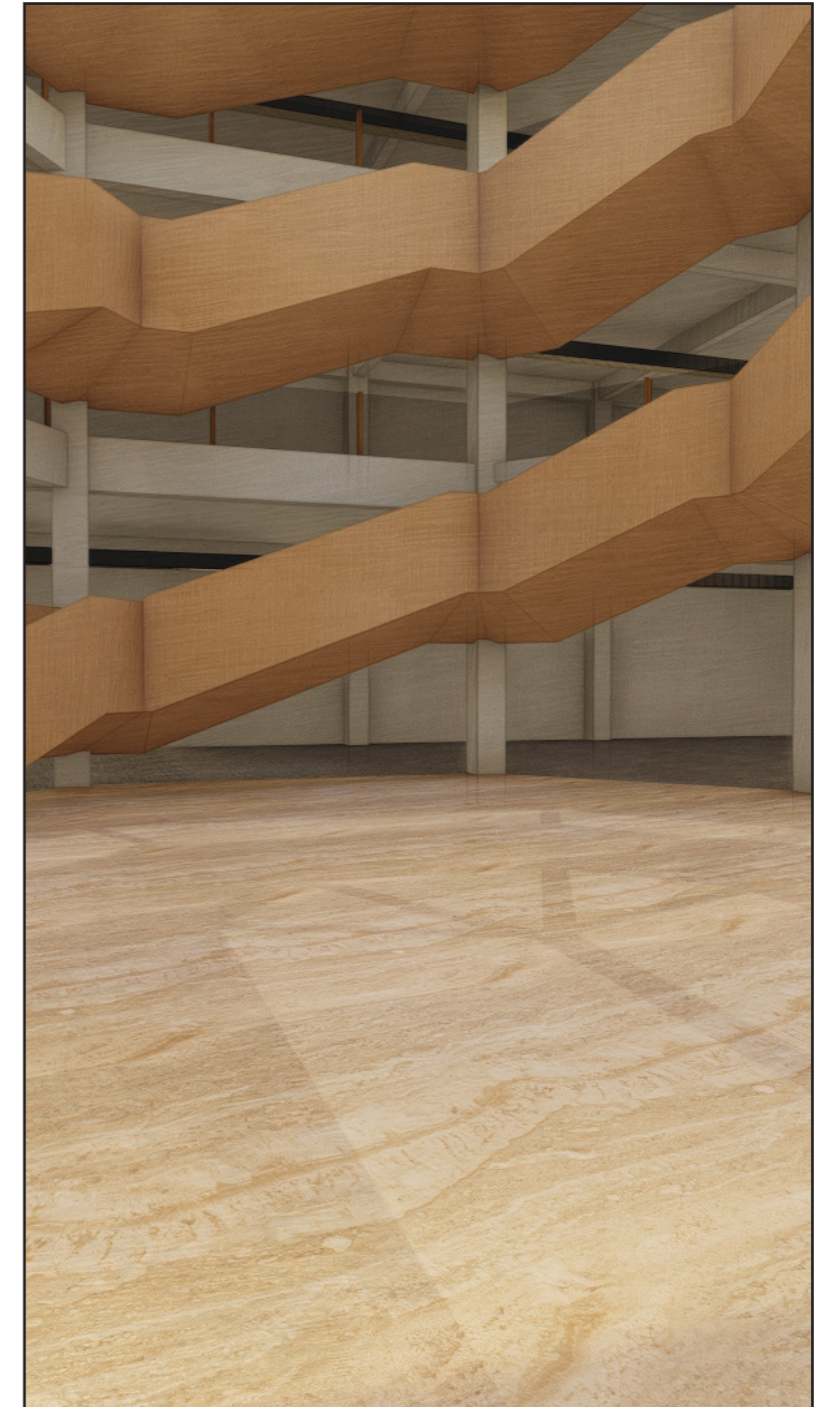


Reconnect

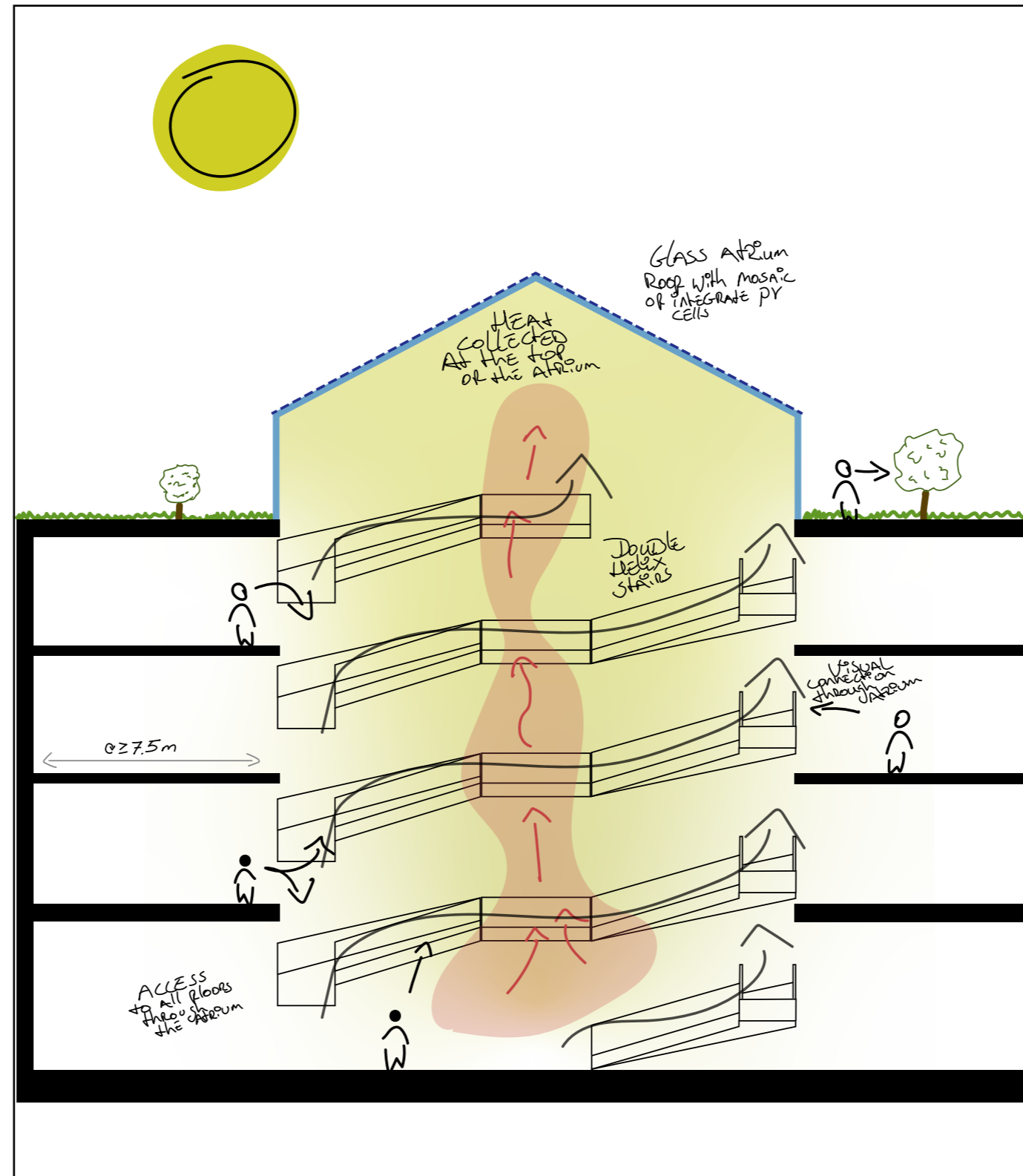
Transition sequence - materiality and height



Sequence of materials - spatial impression



Architectural principle - atrium



Double helix stairs - atrium view up



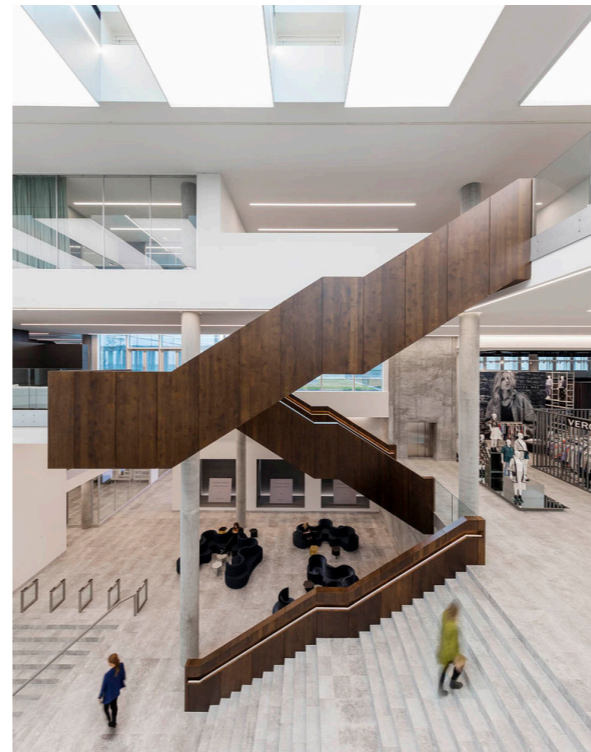
Materialisation of the atrium - references

Timber staircase



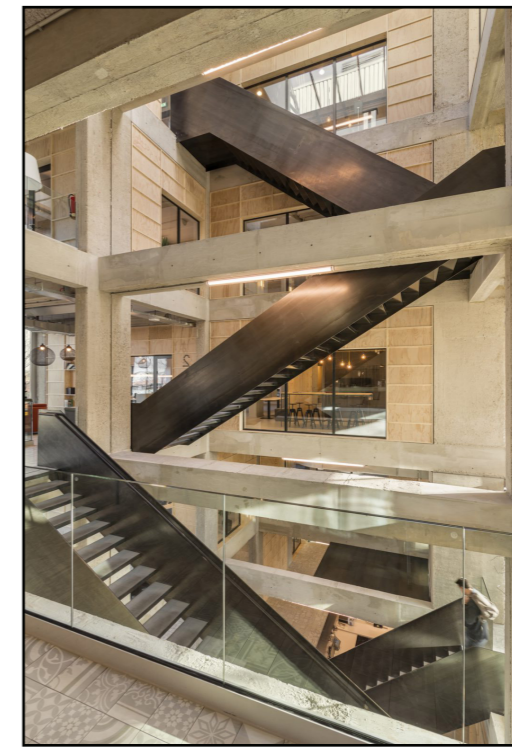
Fernbrook 30

Contrasting colours



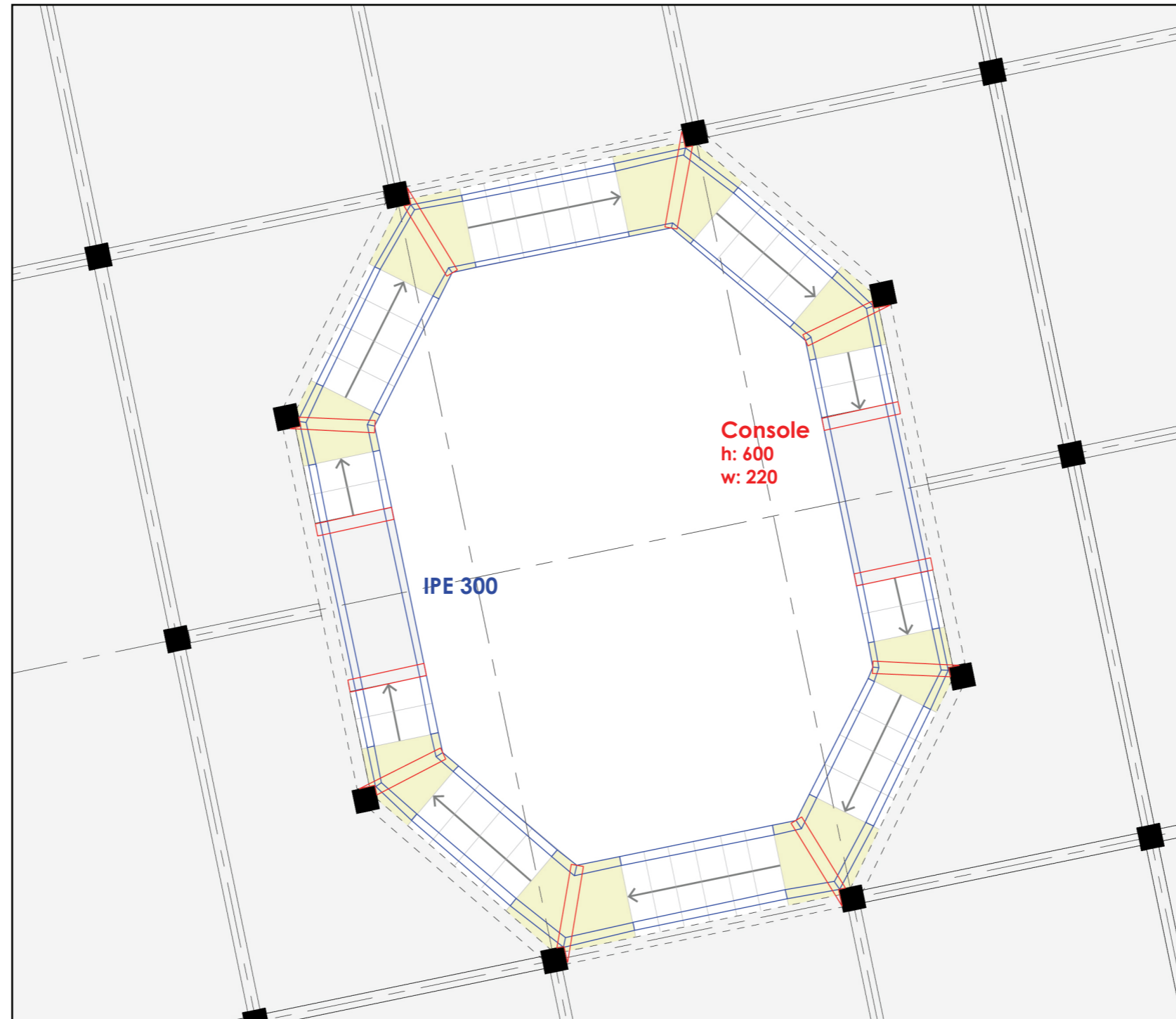
Bestseller Aarhus

Exposed structure

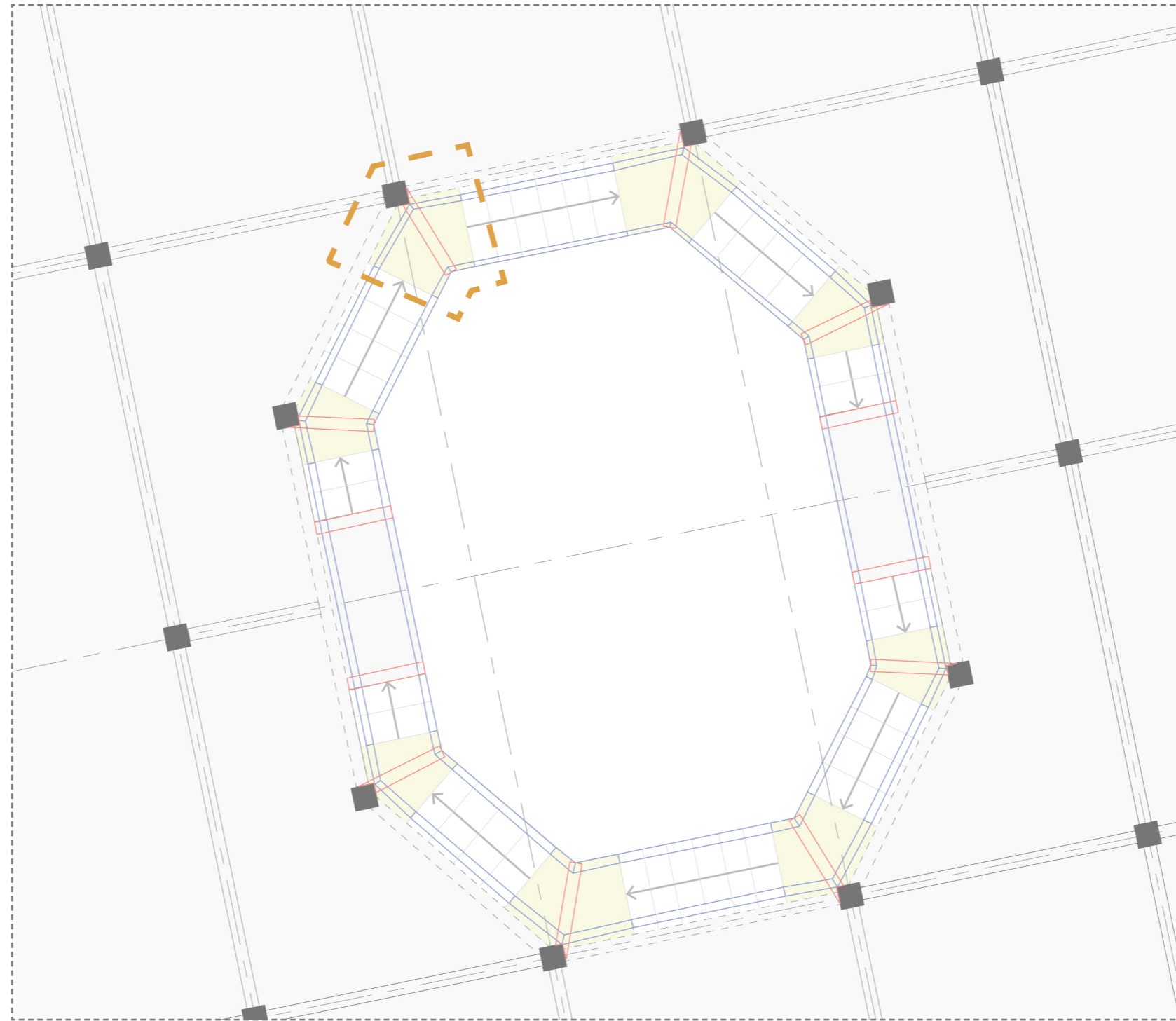


De Alliantie HQ

Structural plan - added structure for stairs



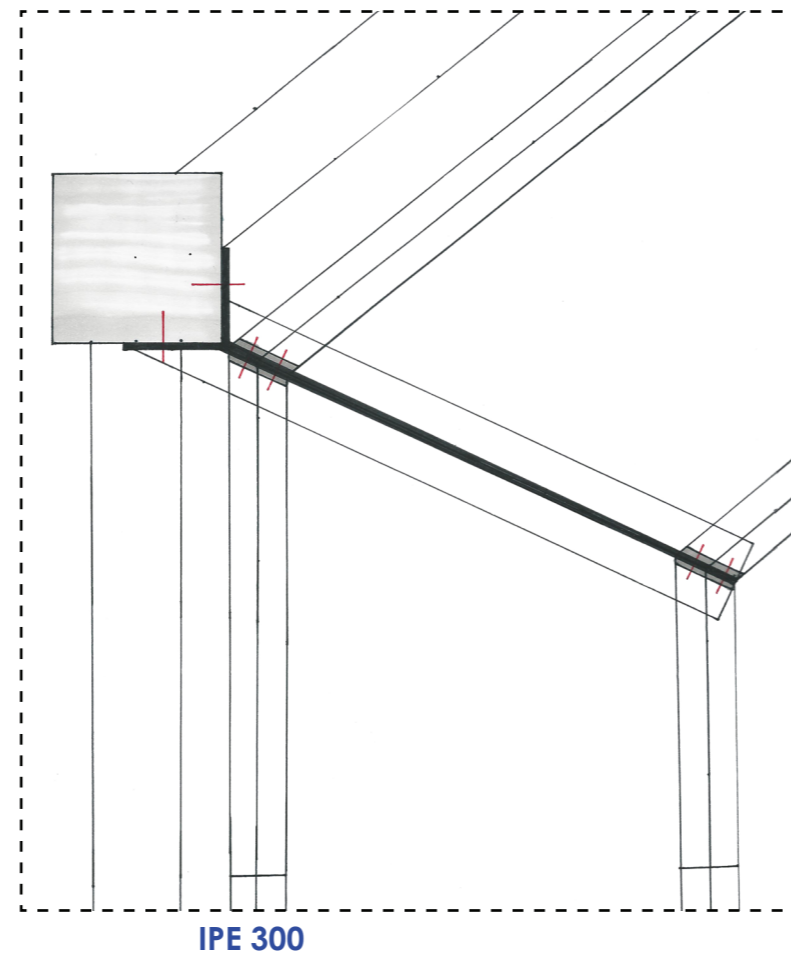
Structural plan - added structure for stairs



Structure - re-use of the existing



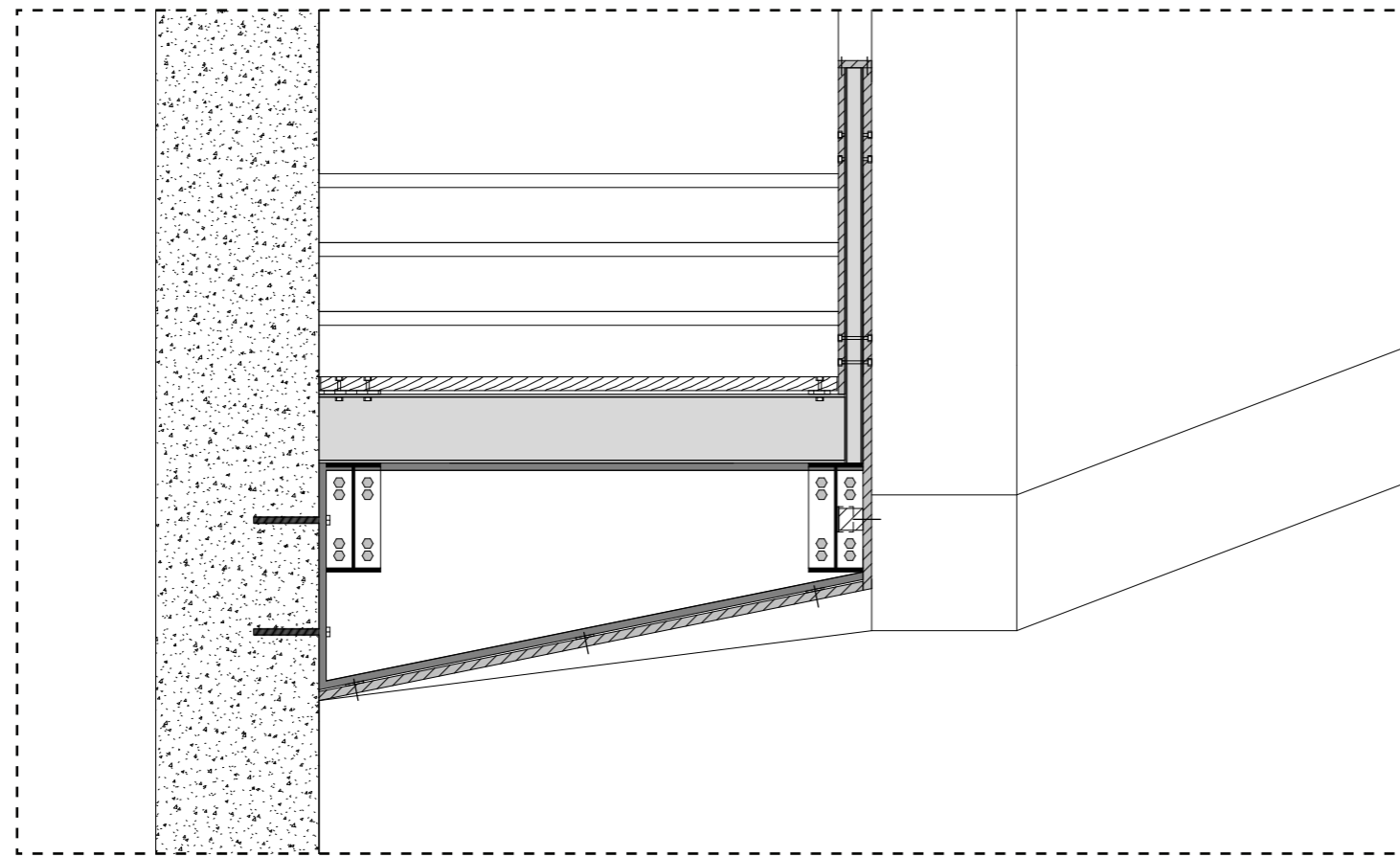
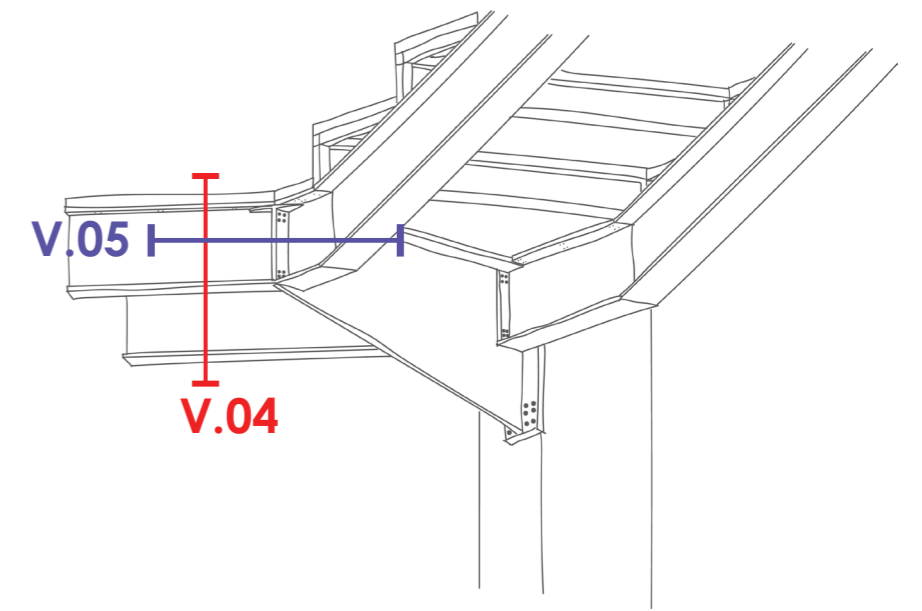
Sketch detail - horizontal connection console to column



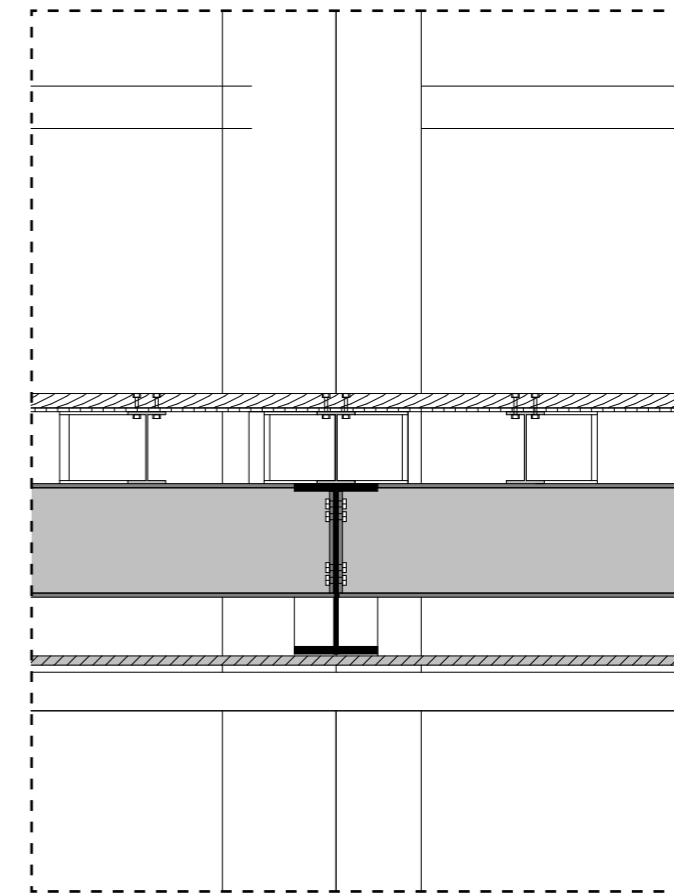
Console
h: 600
w: 220

Detail - connection column, console, stair string

1:10 rescaled to 1:20

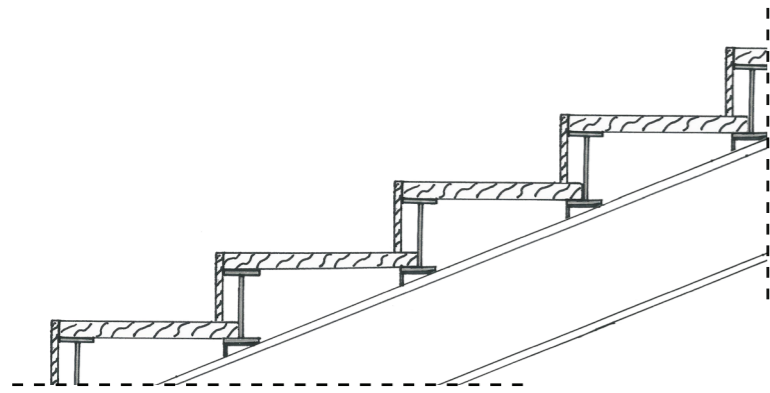


V.04

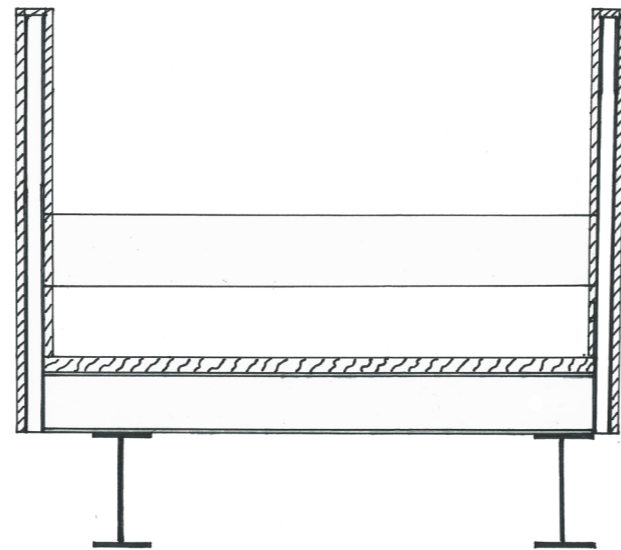


V.05

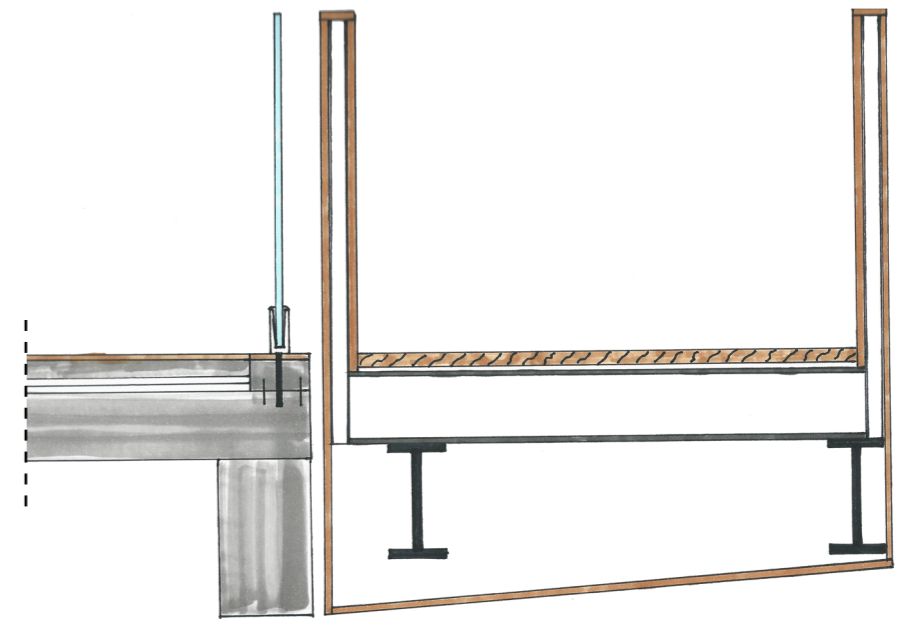
Sketch detail - stair step construction, balustrade on stair, landing at floor level



Stair step construction

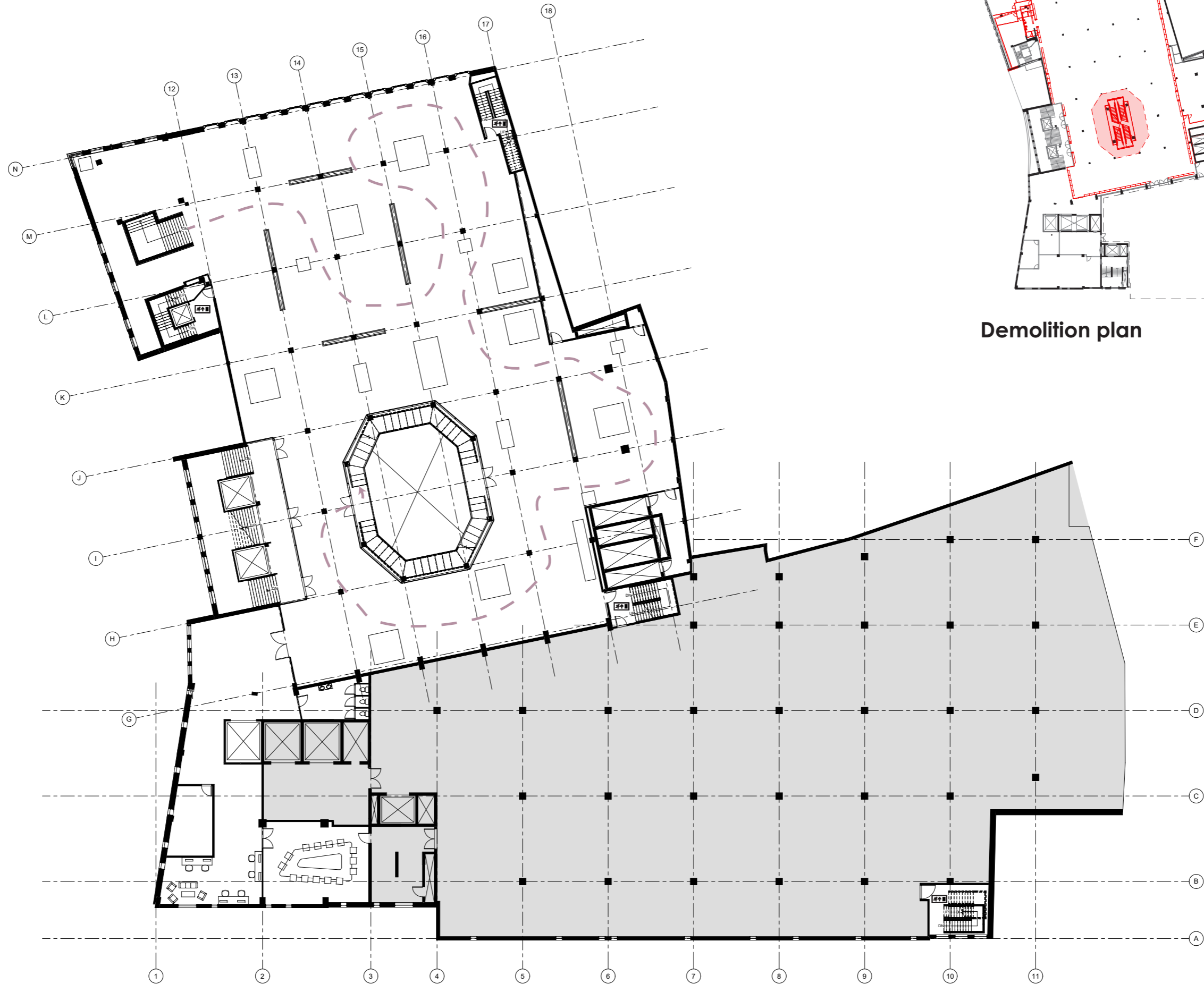


Balustrade on stair



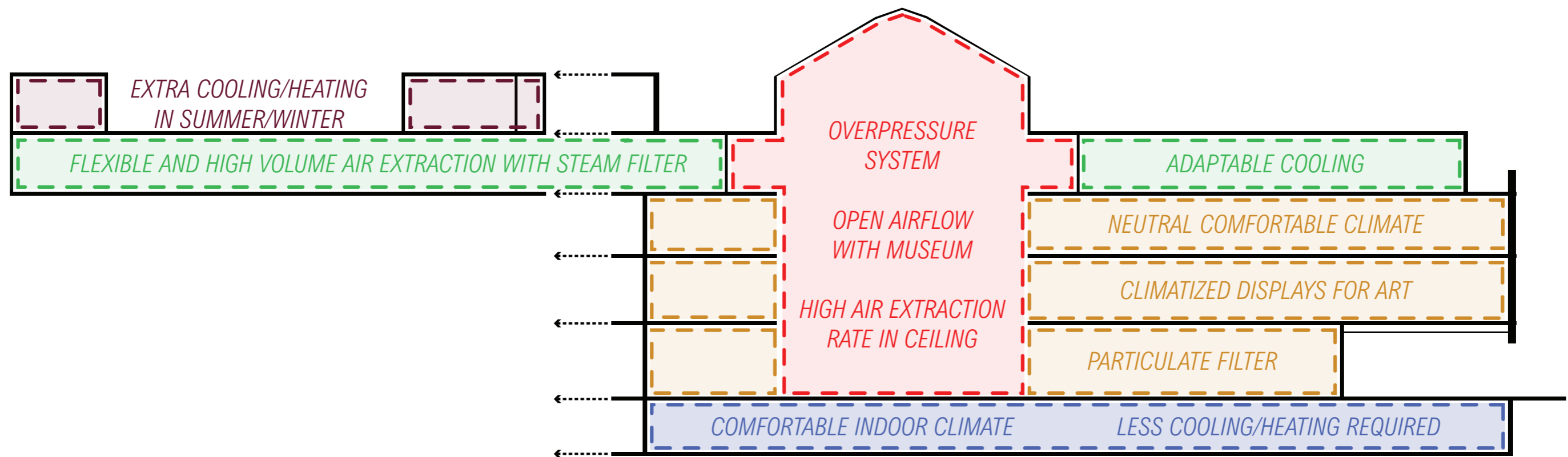
Landing at floor level

Routing museum - second floor

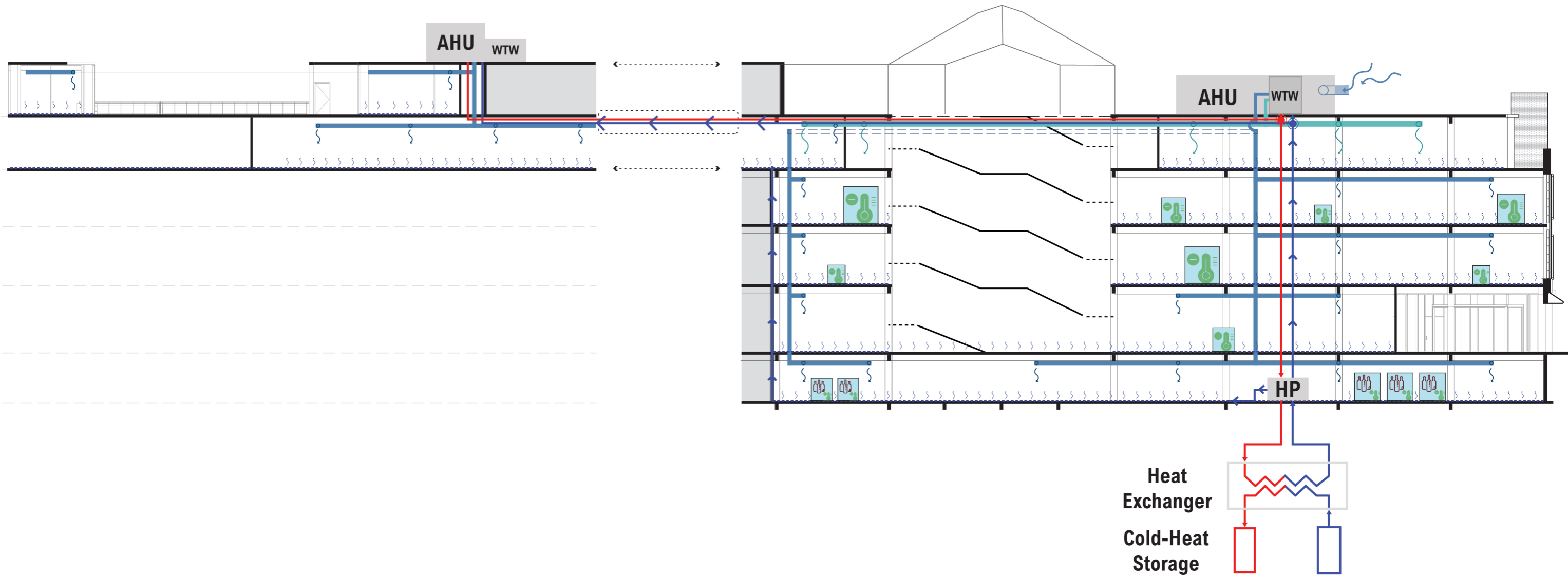


Demolition plan

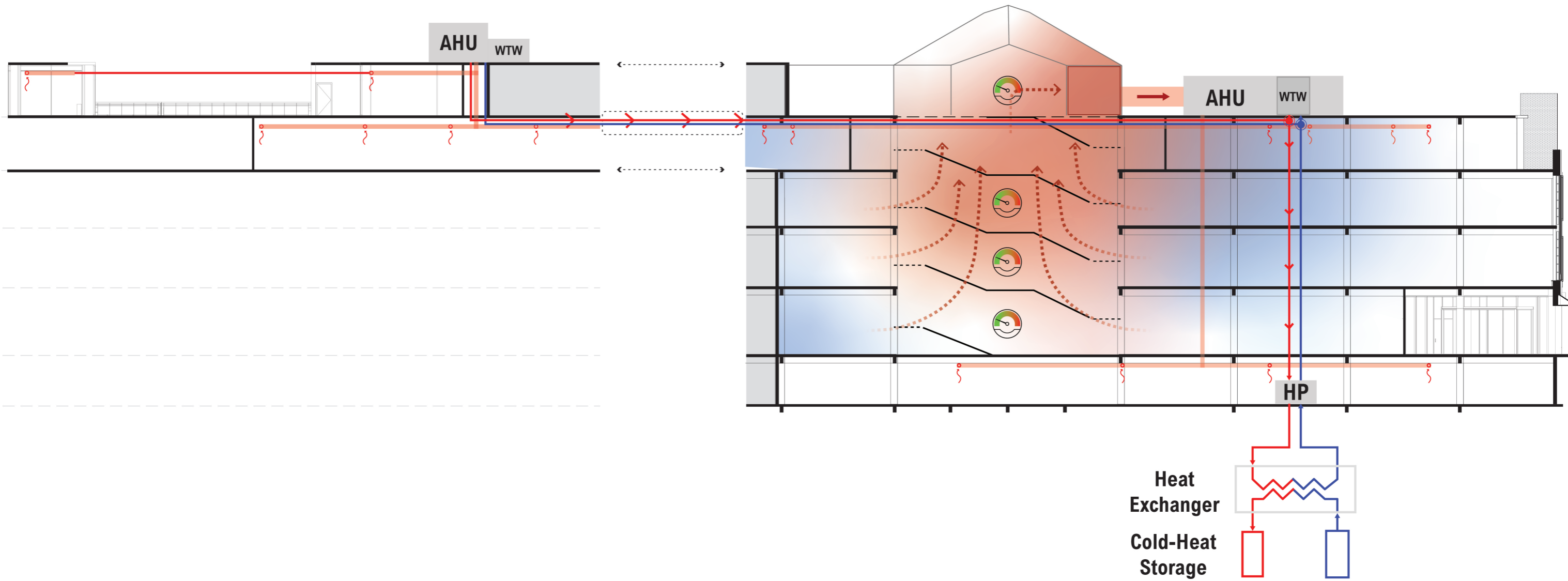
Climate zoning - requirements



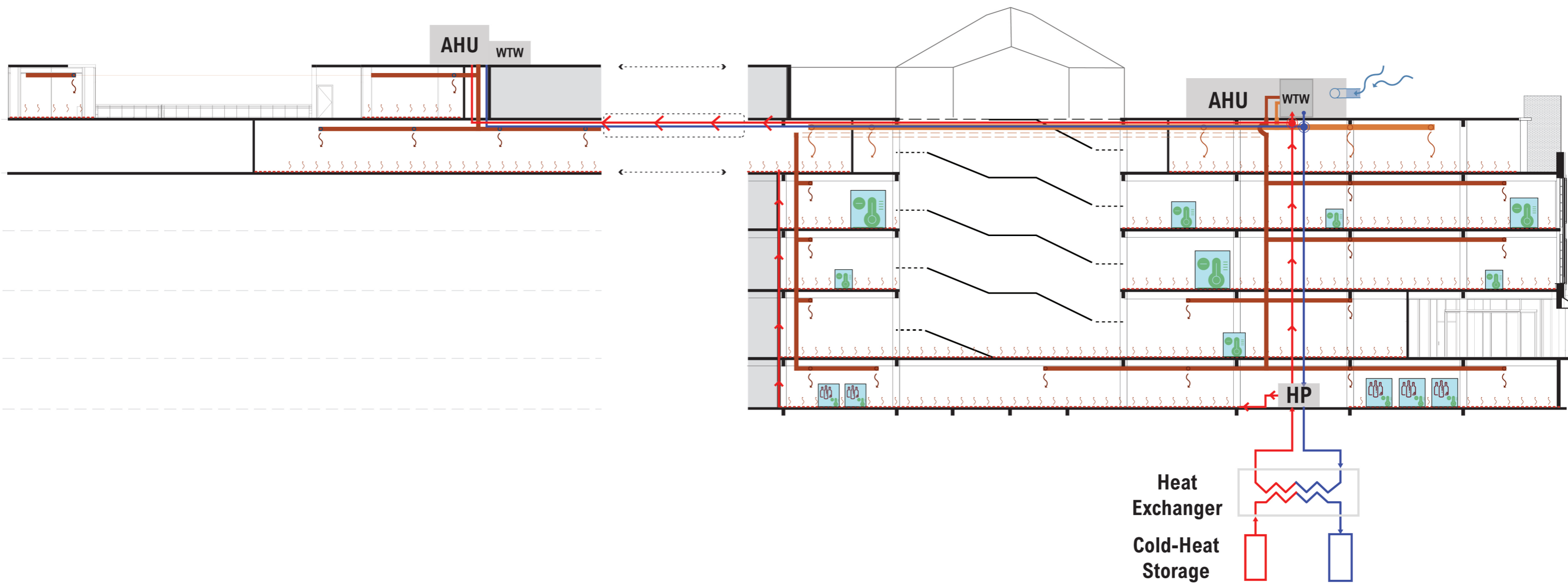
Summer situation - supply



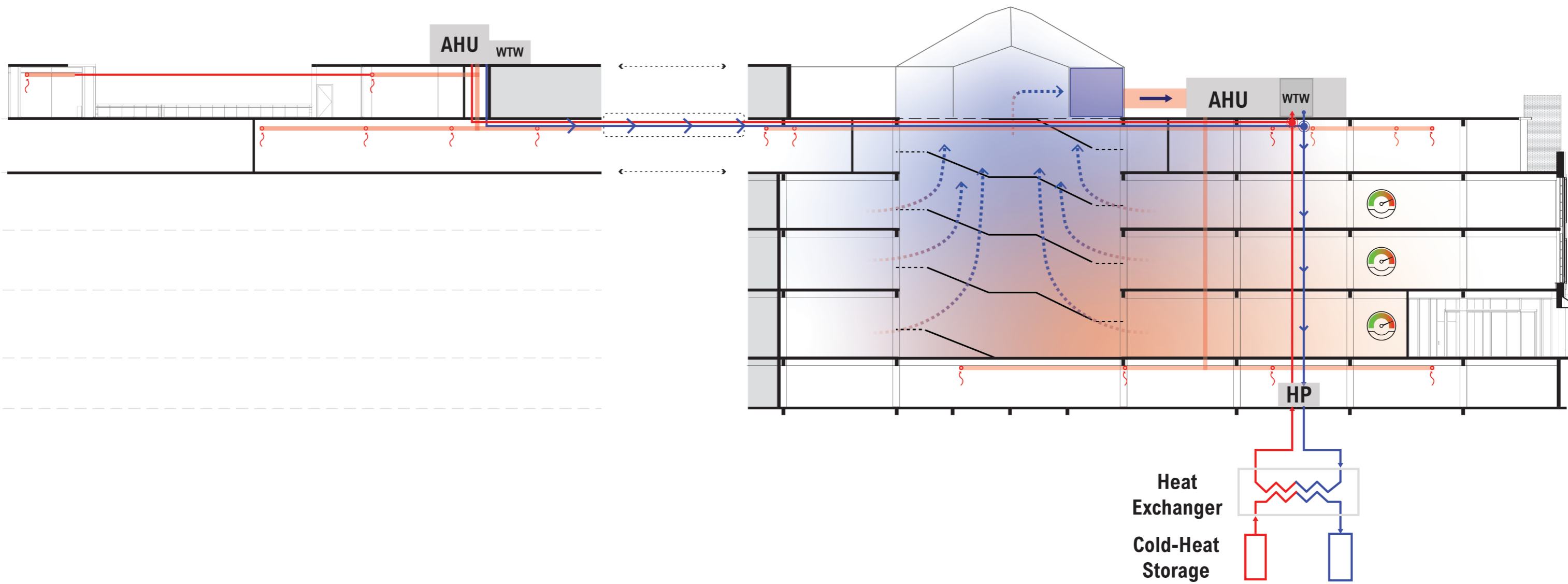
Summer situation - extraction



Winter situation - supply



Winter situation - extraction



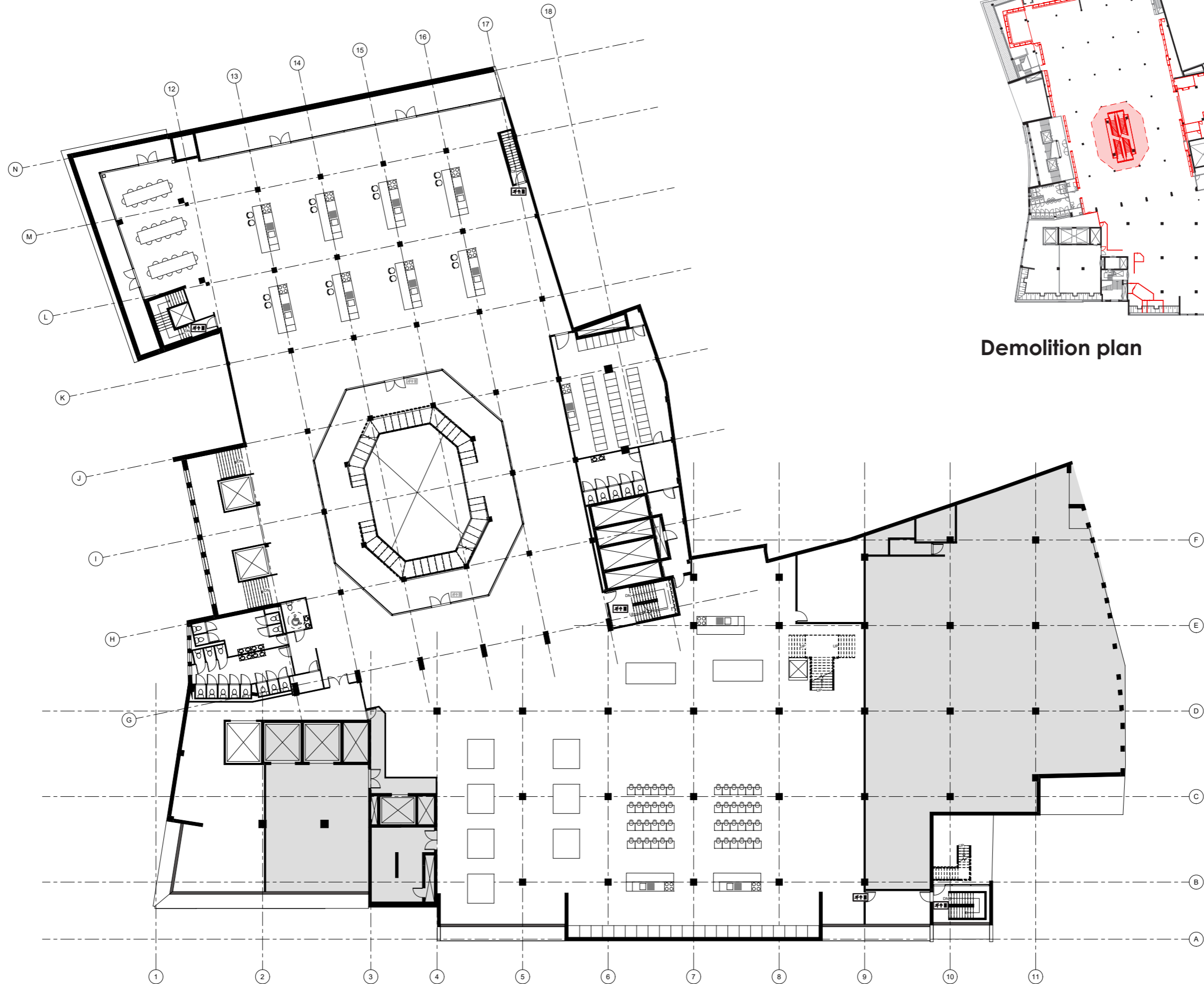
The Cooking Factory - third floor



Workshop area - view to balcony



Cooking Factory elements - third floor



Demolition plan



Restaurant and rooftop garden - fourth floor and roof



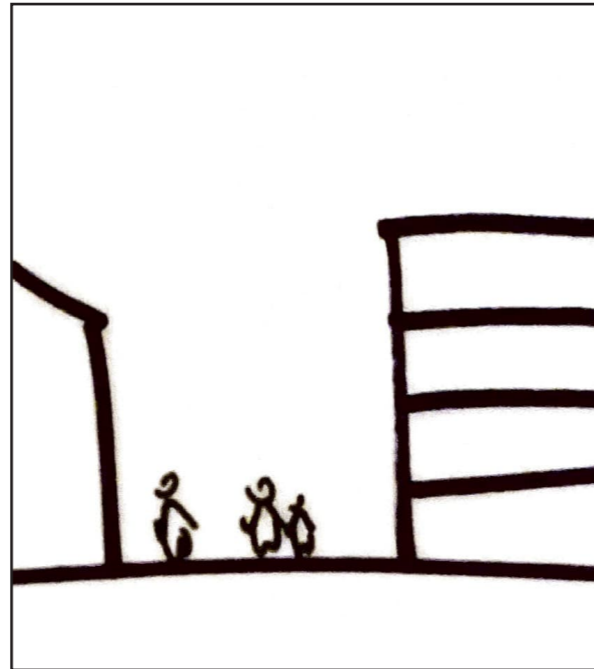
Scenic rooftop garden - platform offering views



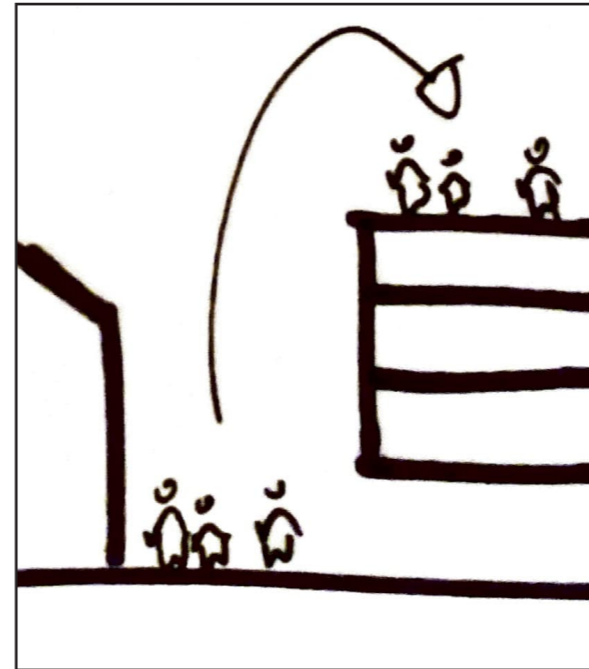
Roof opportunity - view from rooftop



Extension of the public realm - translation of the research

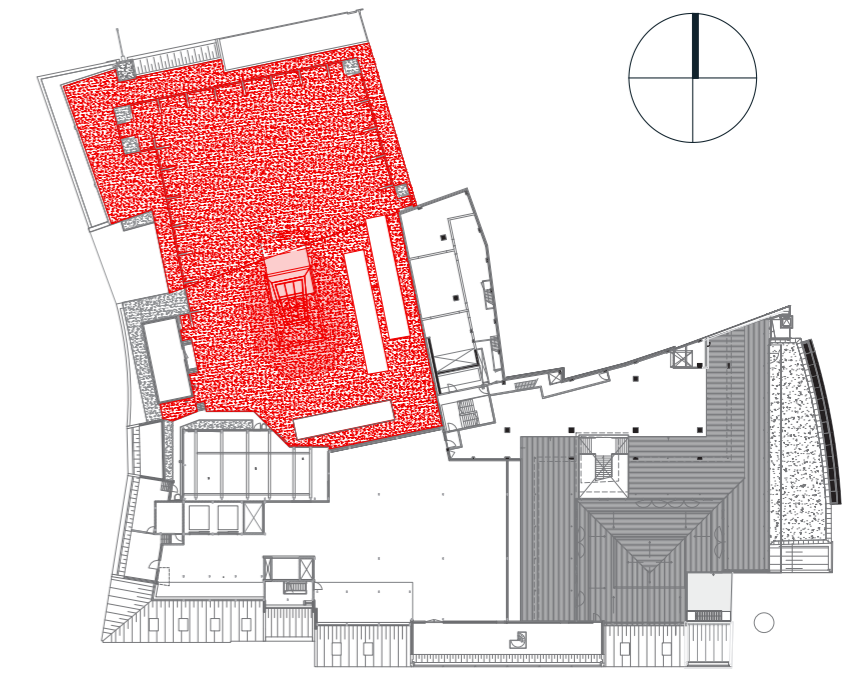
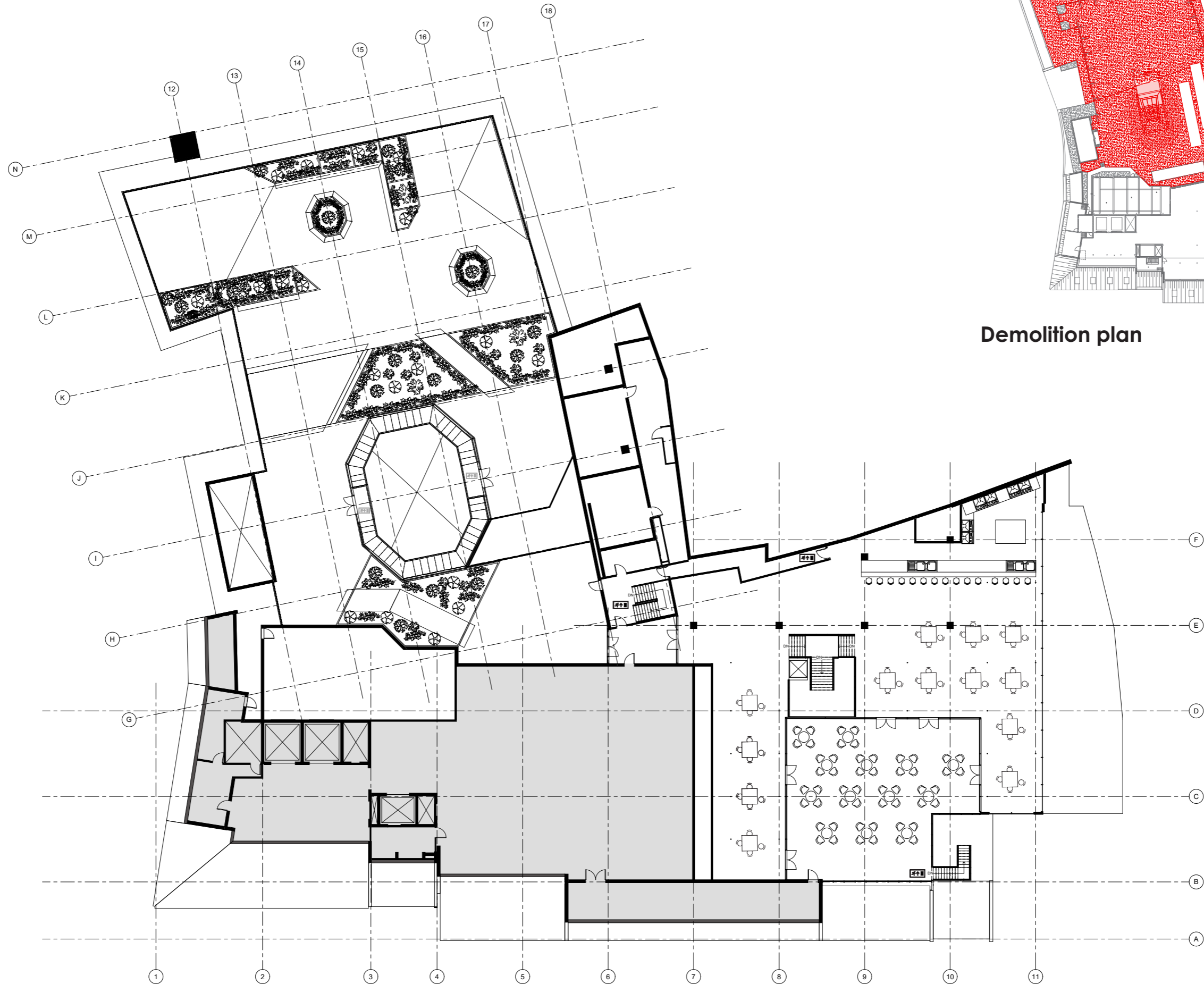


Limited to street level



Extension on roof

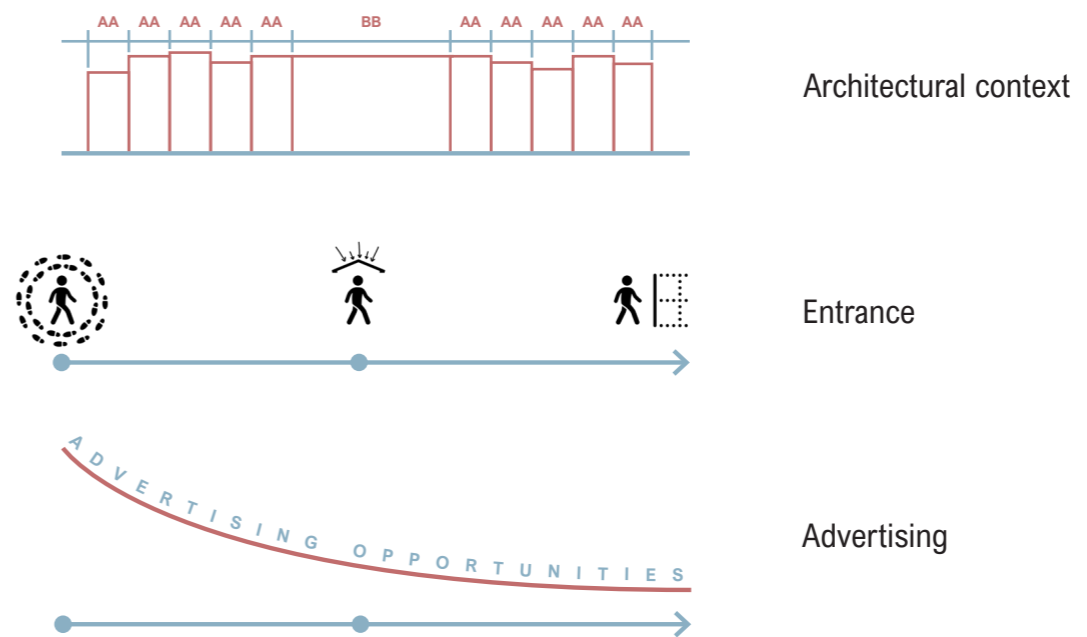
Positioning exterior space - fourth floor and roof



Demolition plan

Reflection - research

How does the architecture of the former Vroom & Dreesmann department store engage in the relation between the public, semi-public and private space and the people moving within and between these spaces and how can this be applied in the new design?

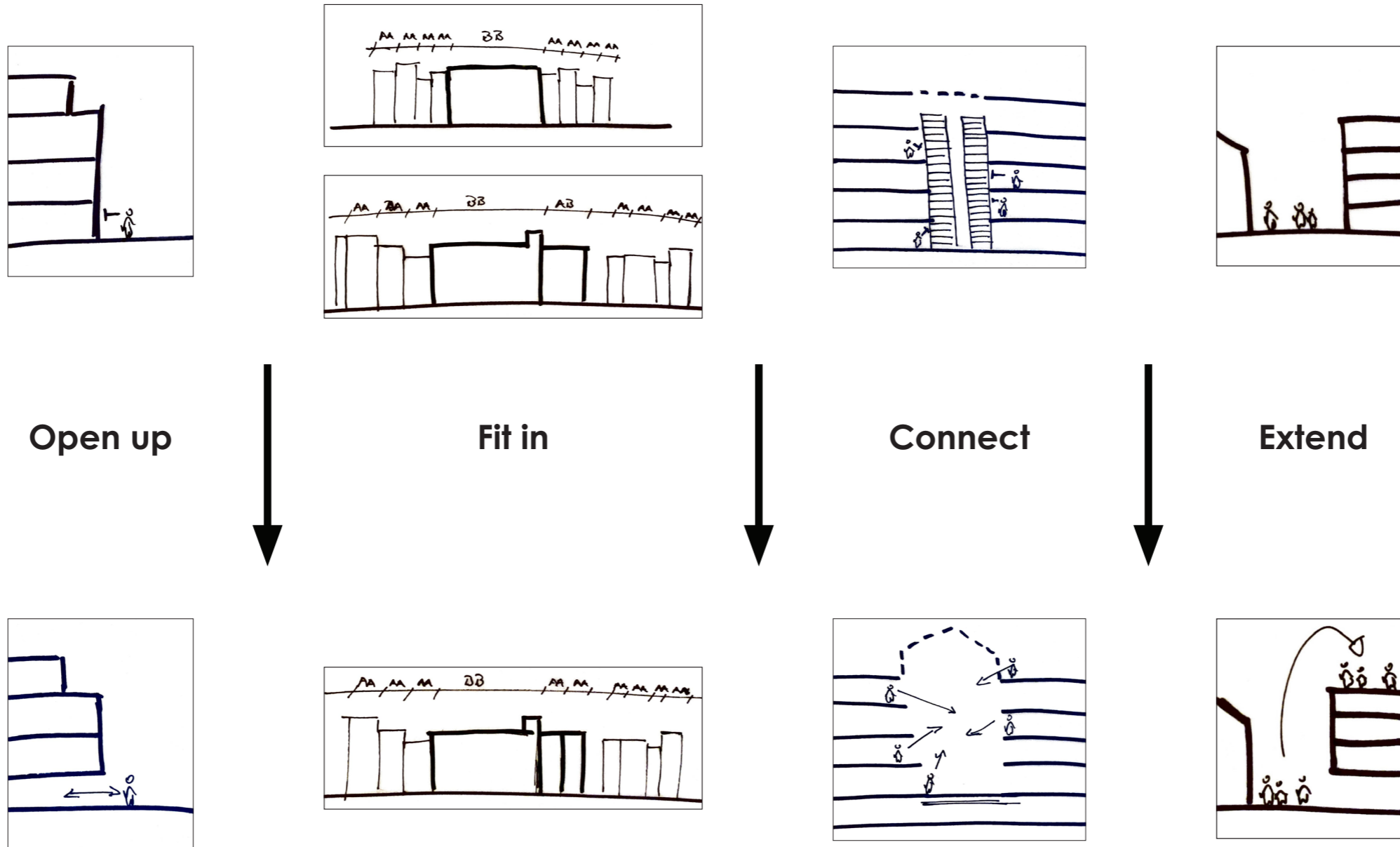


Architectural context

Entrance

Advertising

Reflection - design strategy





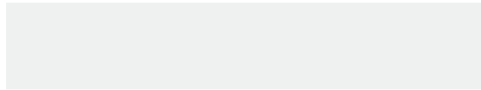
Merci!

Materialization of the façades

Original steel window frames
painted in blue (Sikkens S6.15.65)



Enamelled aluminum flagpoles
painted in white (Ral 9003)



Original wrought iron fences
painted in aluminium colour (Ral 9006)



Aluminum door and window frames
painted in aluminium colour (Ral 9007)



Enamelled aluminum window frames
painted in grey (gris 900 sablé)



Shadowbox panels enamelled glass
black type Emalit sf-102 (glossy)



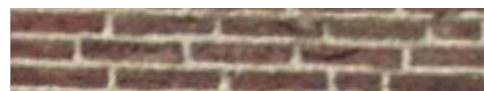
Limestone sculptures



Yellow brickwork
Flemish and geometric masonry bond



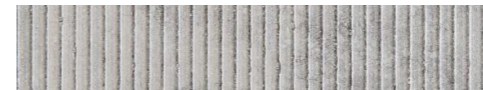
Brown brickwork
Flemish masonry bond



Concrete
painted in white colour (Ral 9003)



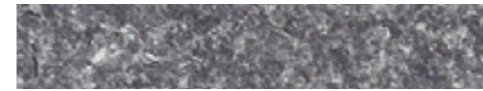
Chipped Belgian bluestone



Honed Belgian bluestone



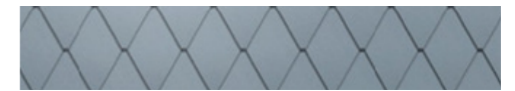
Burnt Belgian bluestone



Black granite (polished)



Zinc diamond shaped tiles

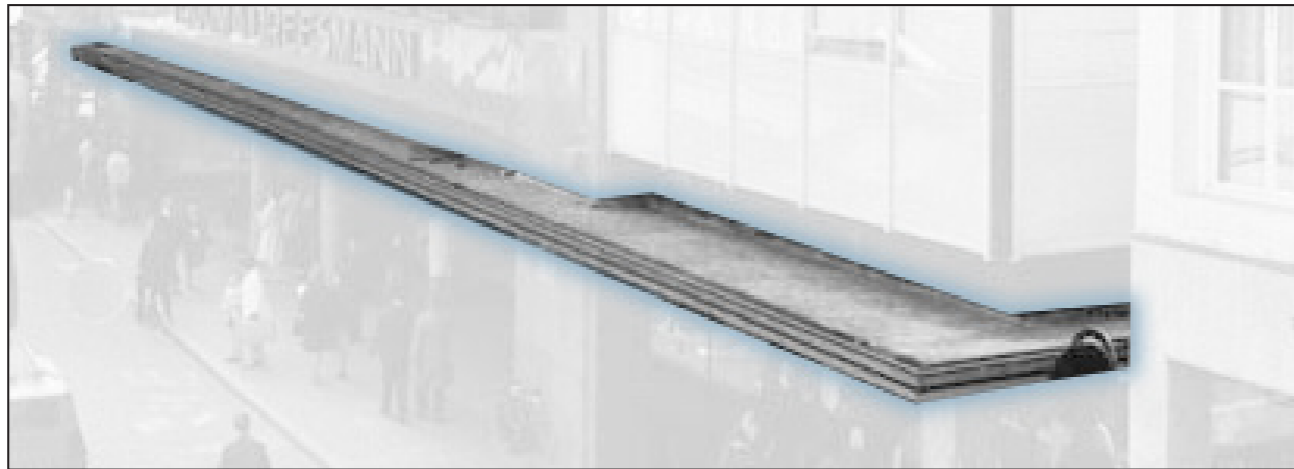


Plinth - canopy development

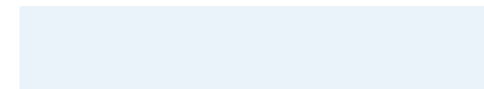
VALUE ASSESSMENT COMBINEREN MET ONTWERP BESLISSING



Zinc sheeting
(assumption based on observations)



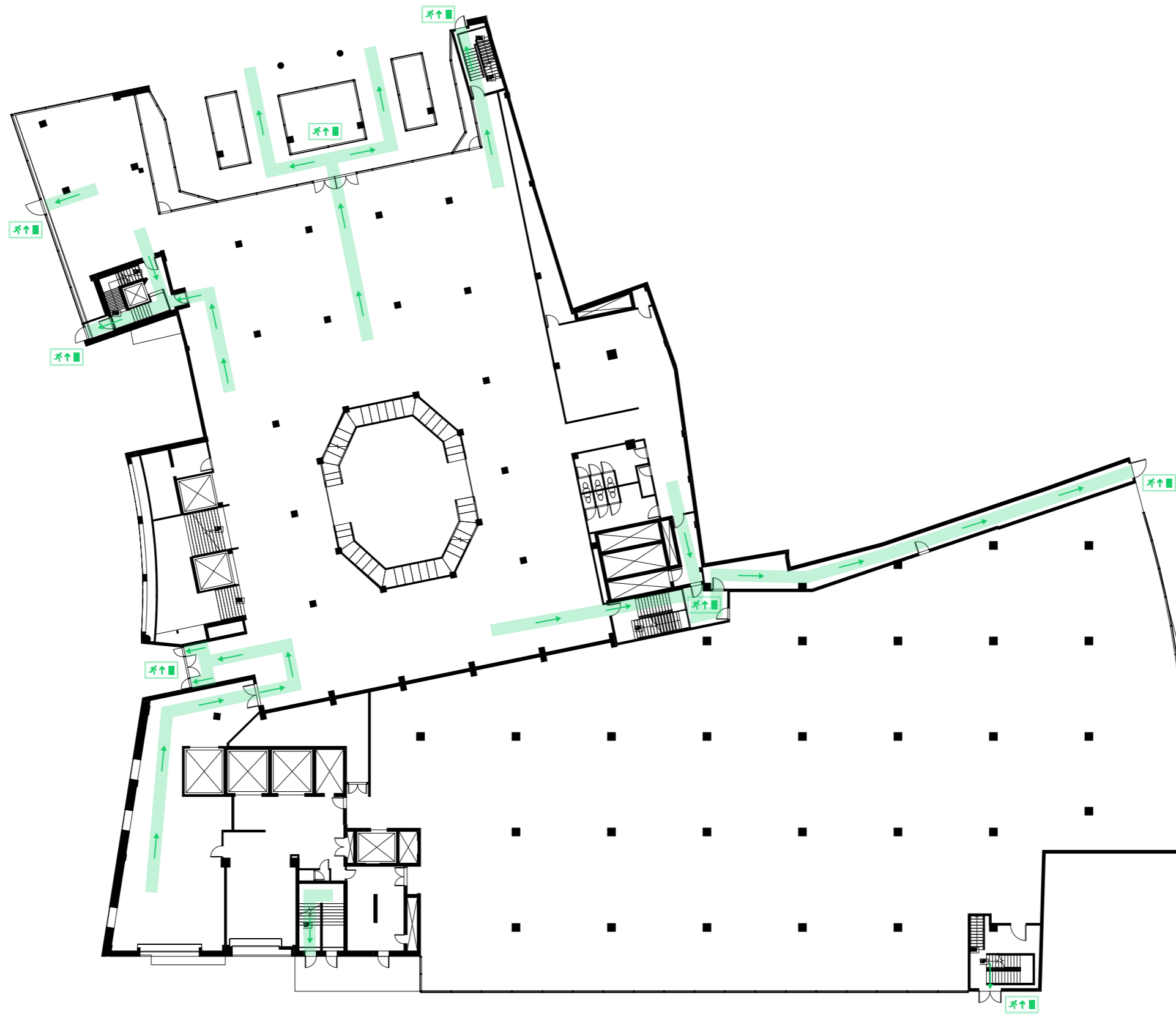
Timber or metal painted white
(assumption based on observations)



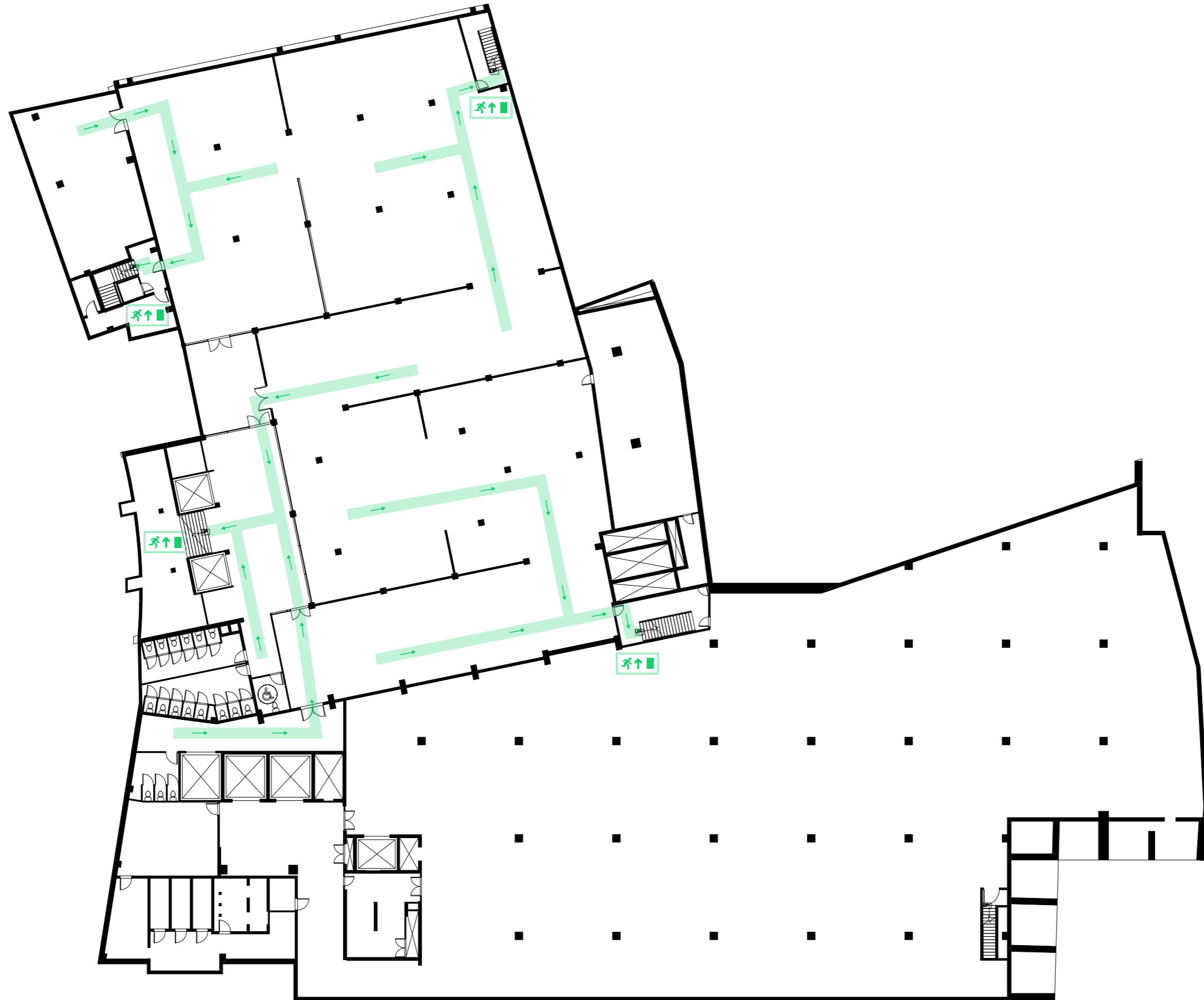
Steel sheeting
bent into shape



Escape plan - ground floor

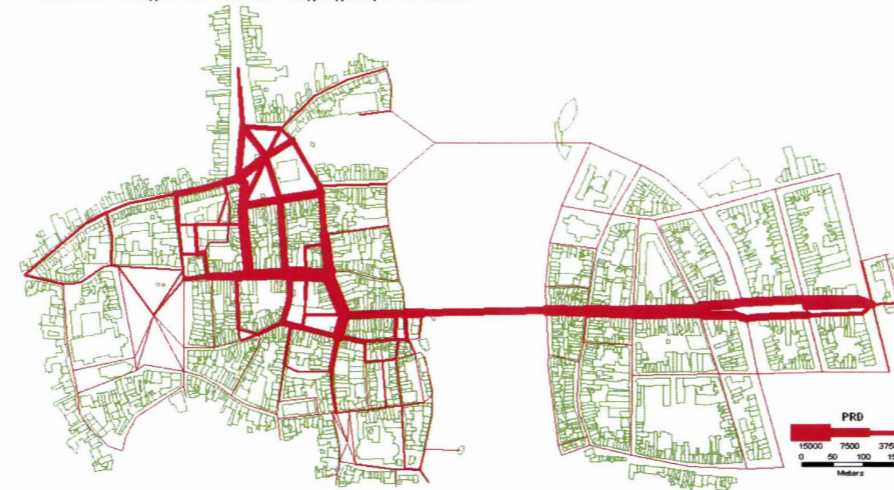


Escape plan - basement





Kaart 5.8 Waargenomen aantal voetgangers per straatstuk.



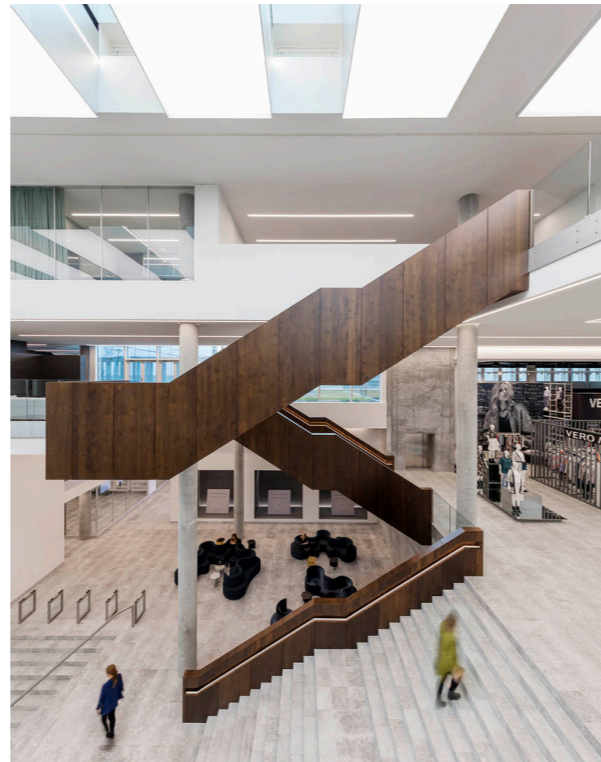
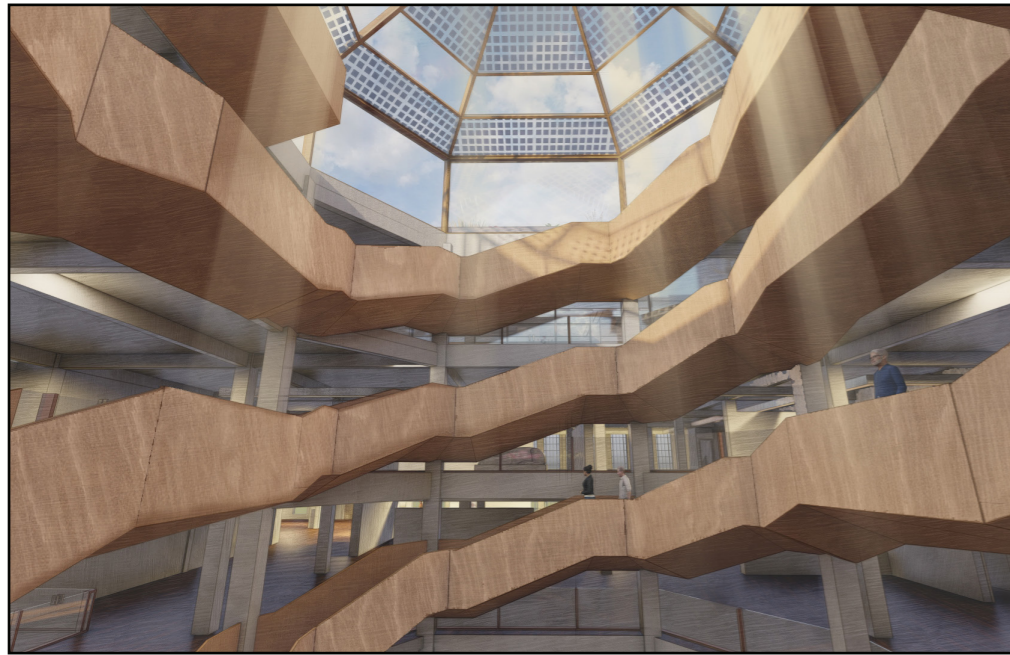
Kaart 5.9 Voorspelde aantal voetgangers per straatstuk.

5.9 Maastricht versus Eindhoven

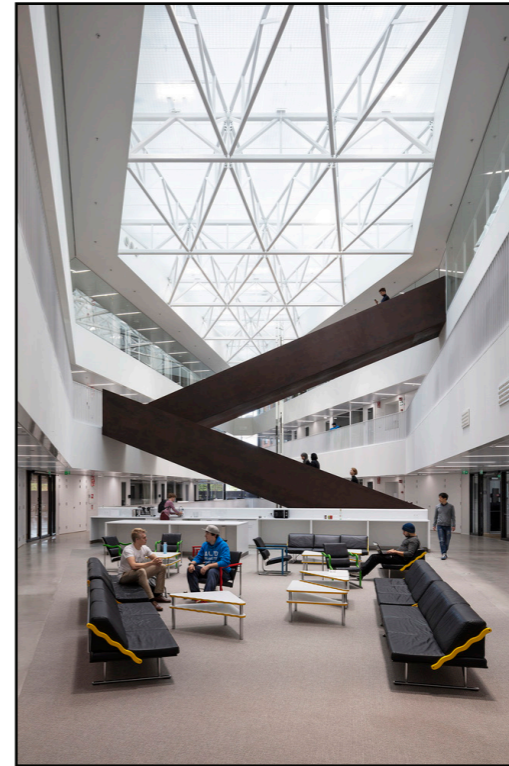
5.9.1 Inleiding

Het doel van deze studie is het op basis van een eerder ontwikkeld model voor Eindhoven een model voor Maastricht te ontwikkelen, de modellen voor Eindhoven en Maastricht met elkaar te vergelijken en te onderzoeken of een dergelijk model toegepast kan worden in andere steden. Nu er een acceptabel model voor Maastricht ontwikkeld is, te weten model II, kunnen de modellen voor Eindhoven en Maastricht met elkaar vergeleken worden. Voor deze vergelijking wordt niet het door Van Wijk (2003) ontwikkelde model gebruikt, daar dit enigszins verouderd is

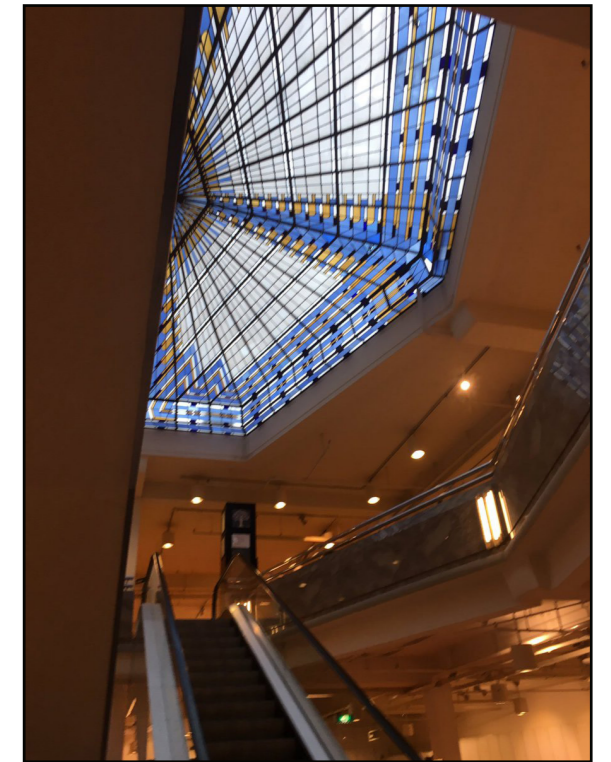
Materialization of the atrium - references



Bestseller Aarhus



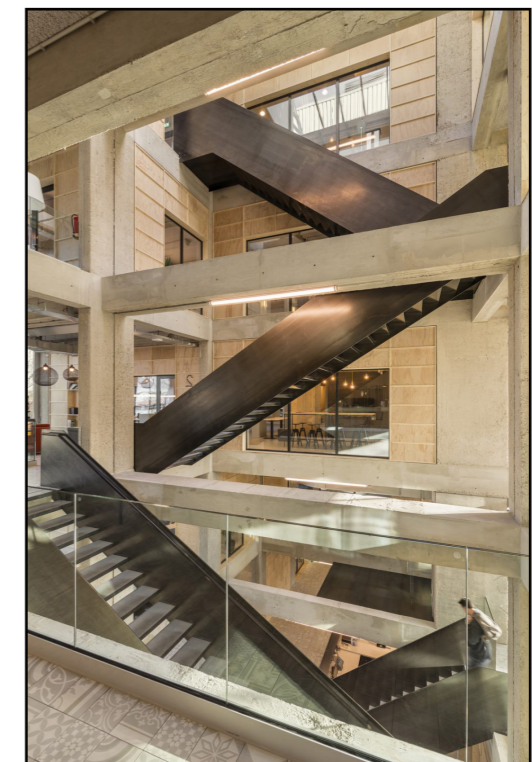
Aalto University Väre Building



Vroom & Dreesmann Amersfoort

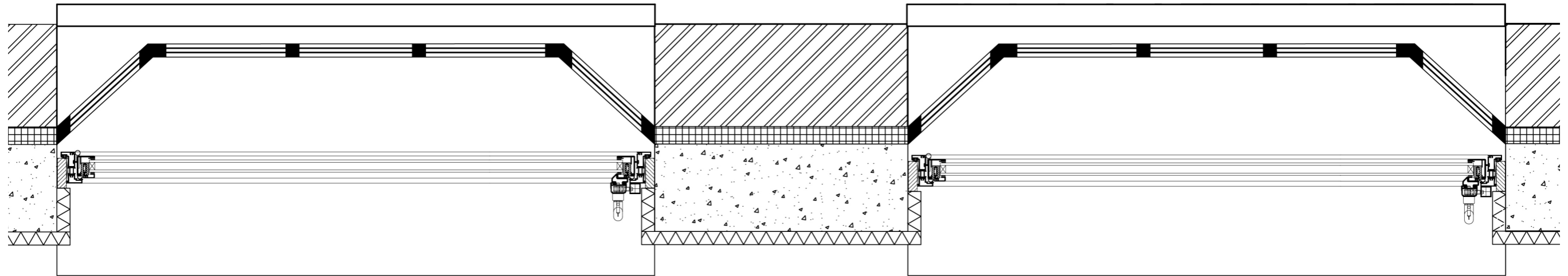


Fernbrook 30

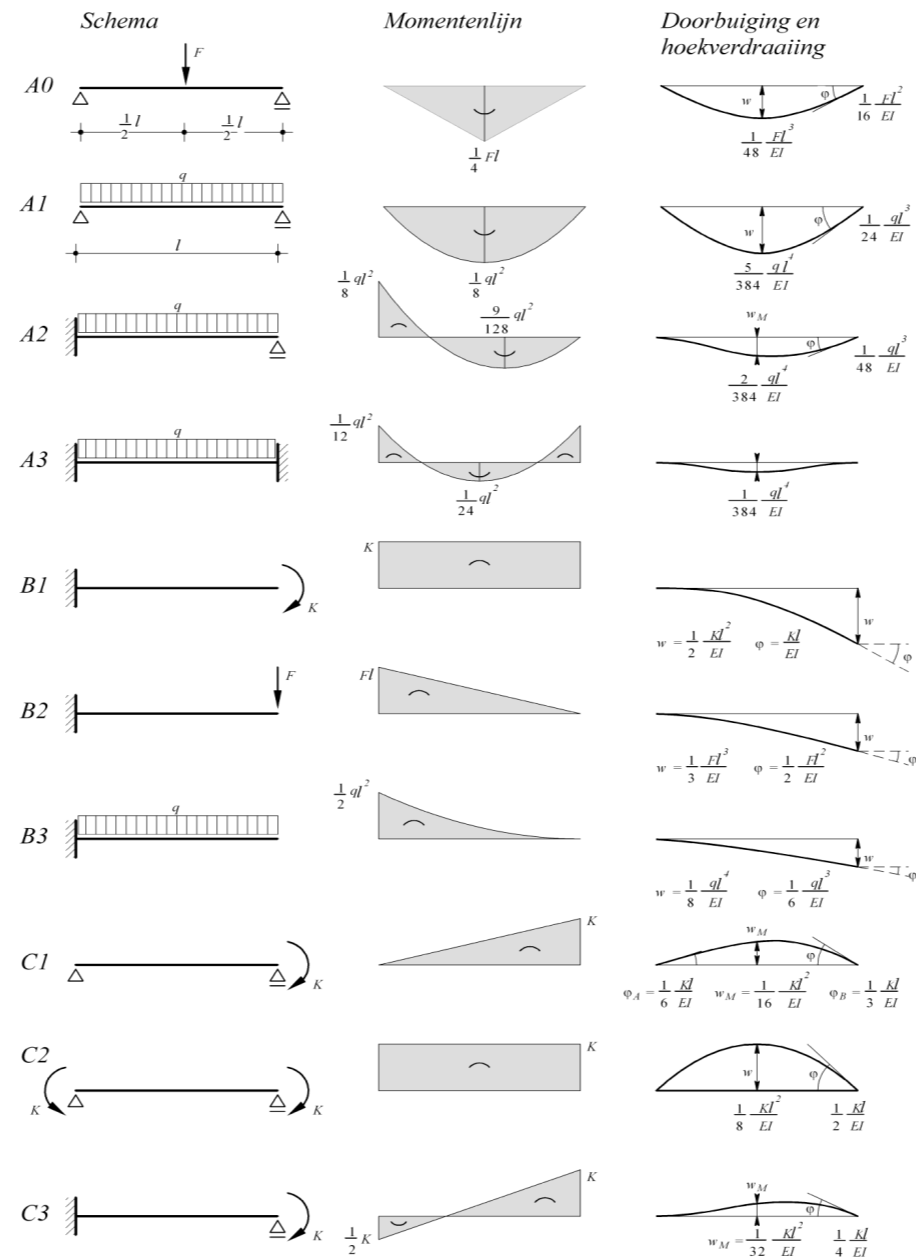


De Alliantie HQ

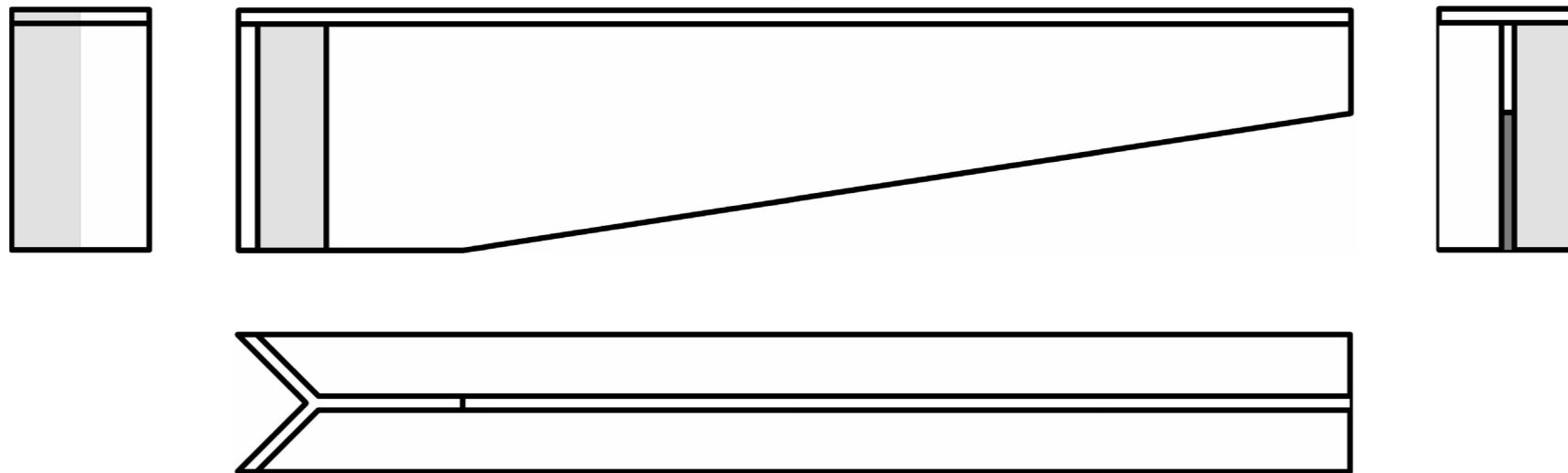
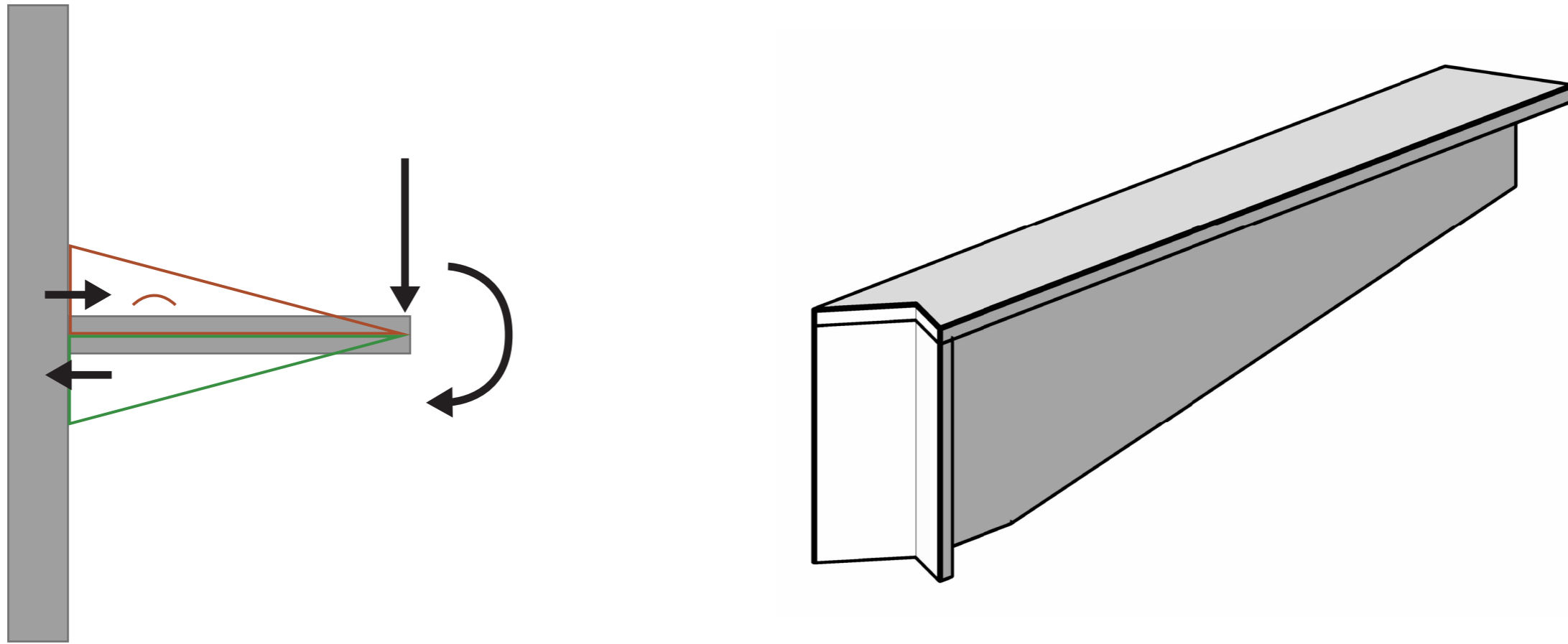
Horizontal detail original façade



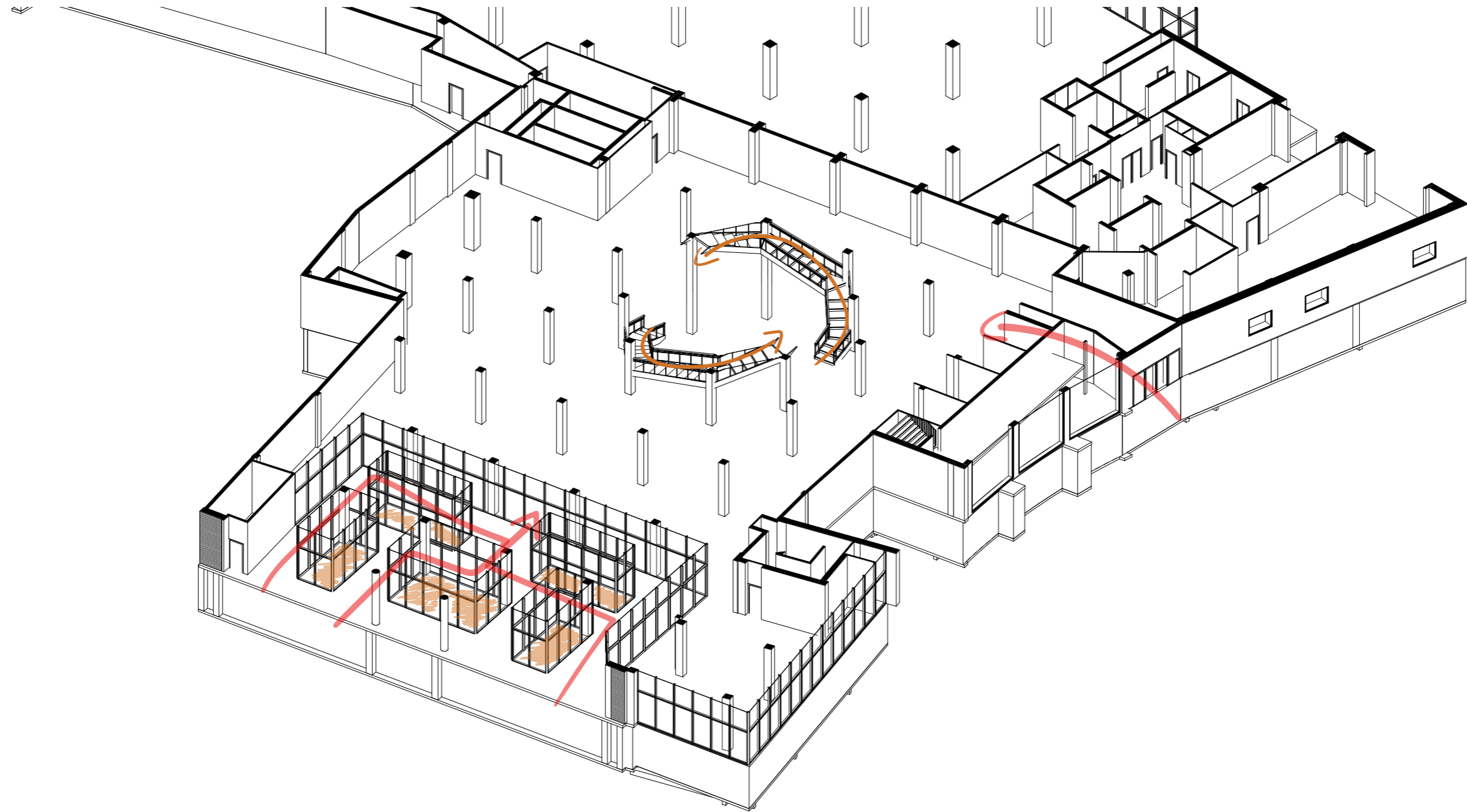
Bijlage 5: Formuleblad krachtswerking



Concept structural system - beam connecting stairs to existing structure atrium



Entrance ways



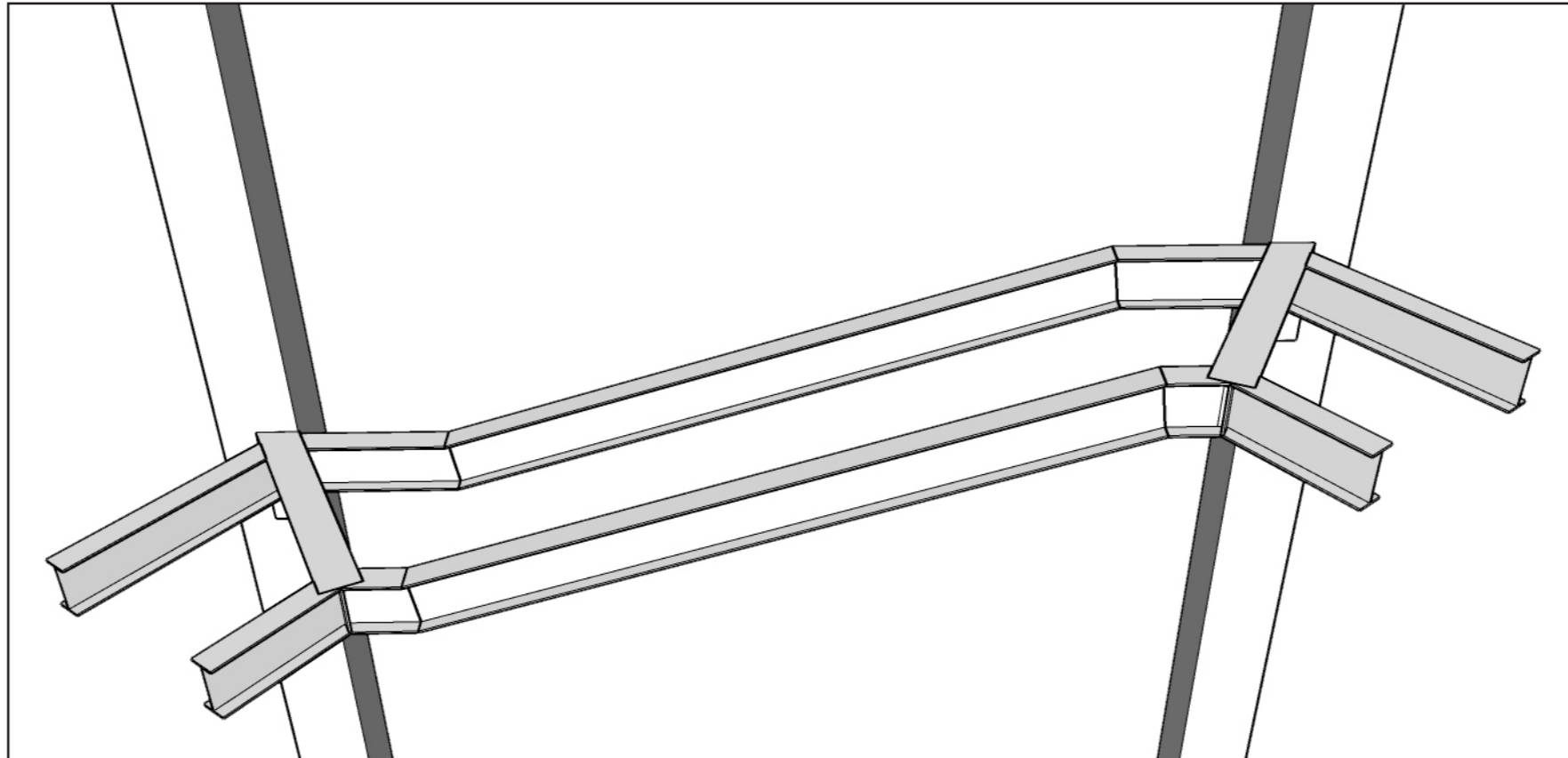
Construction of stair element



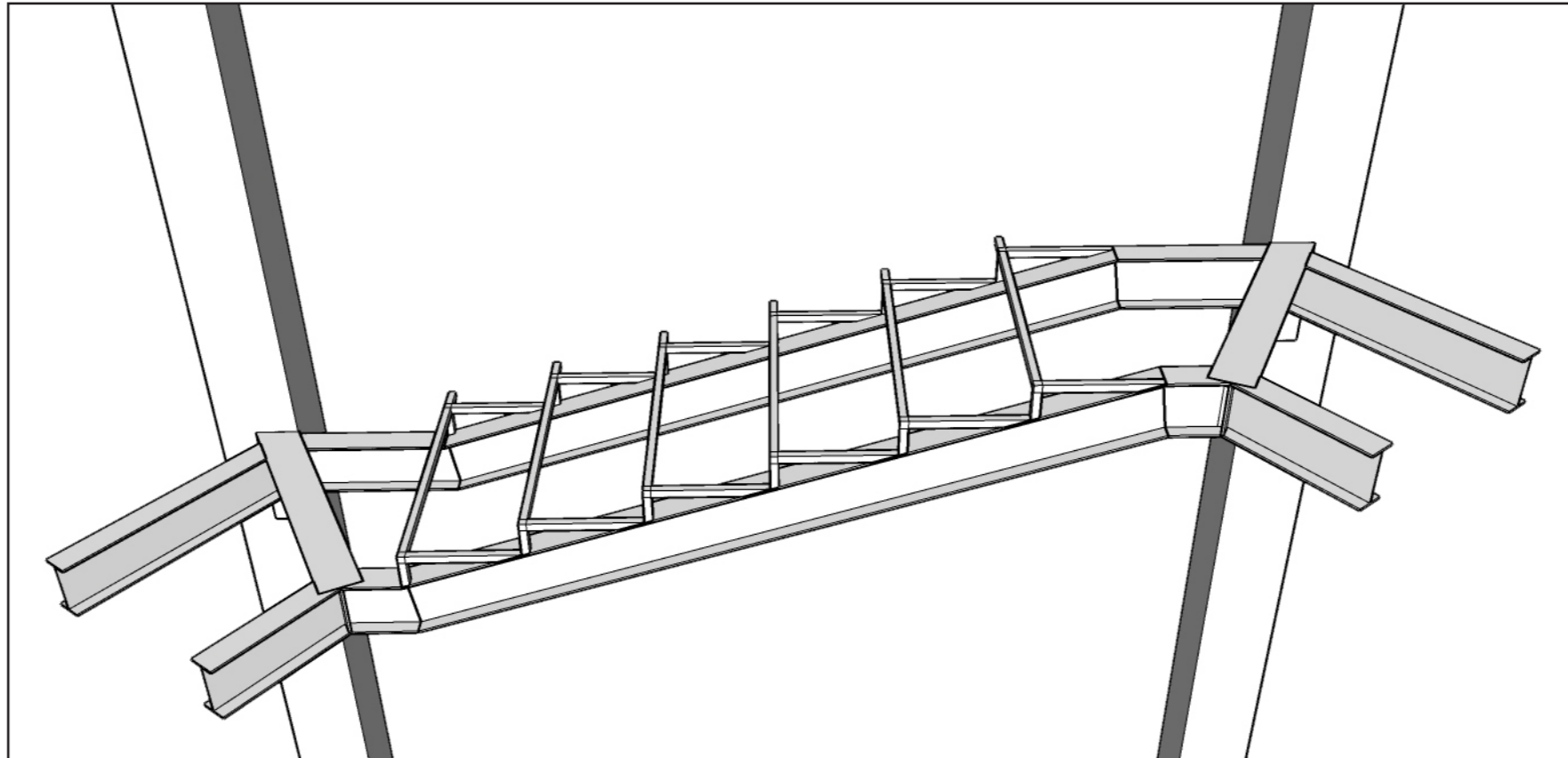
Construction of stair element



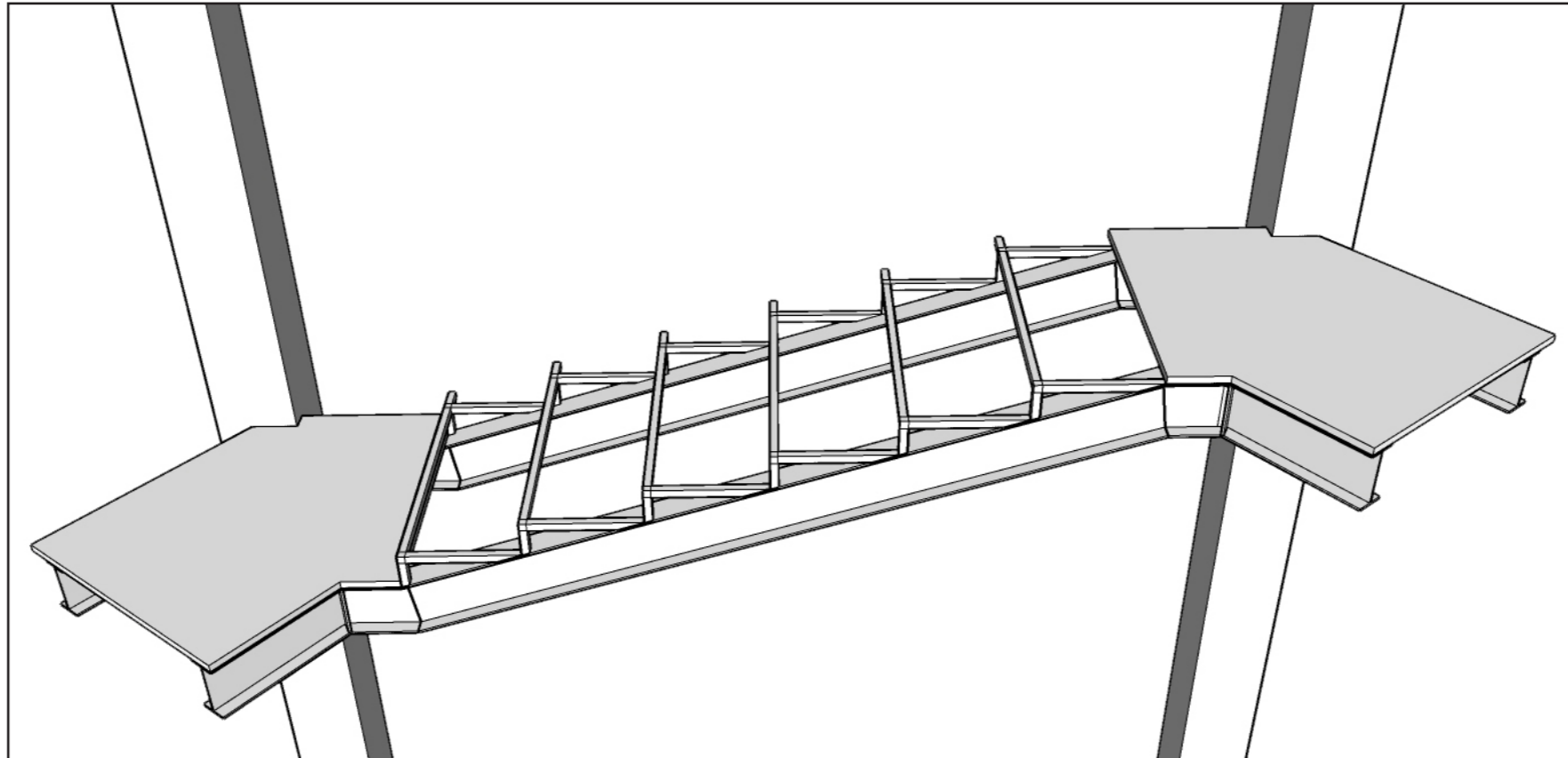
Construction of stair element



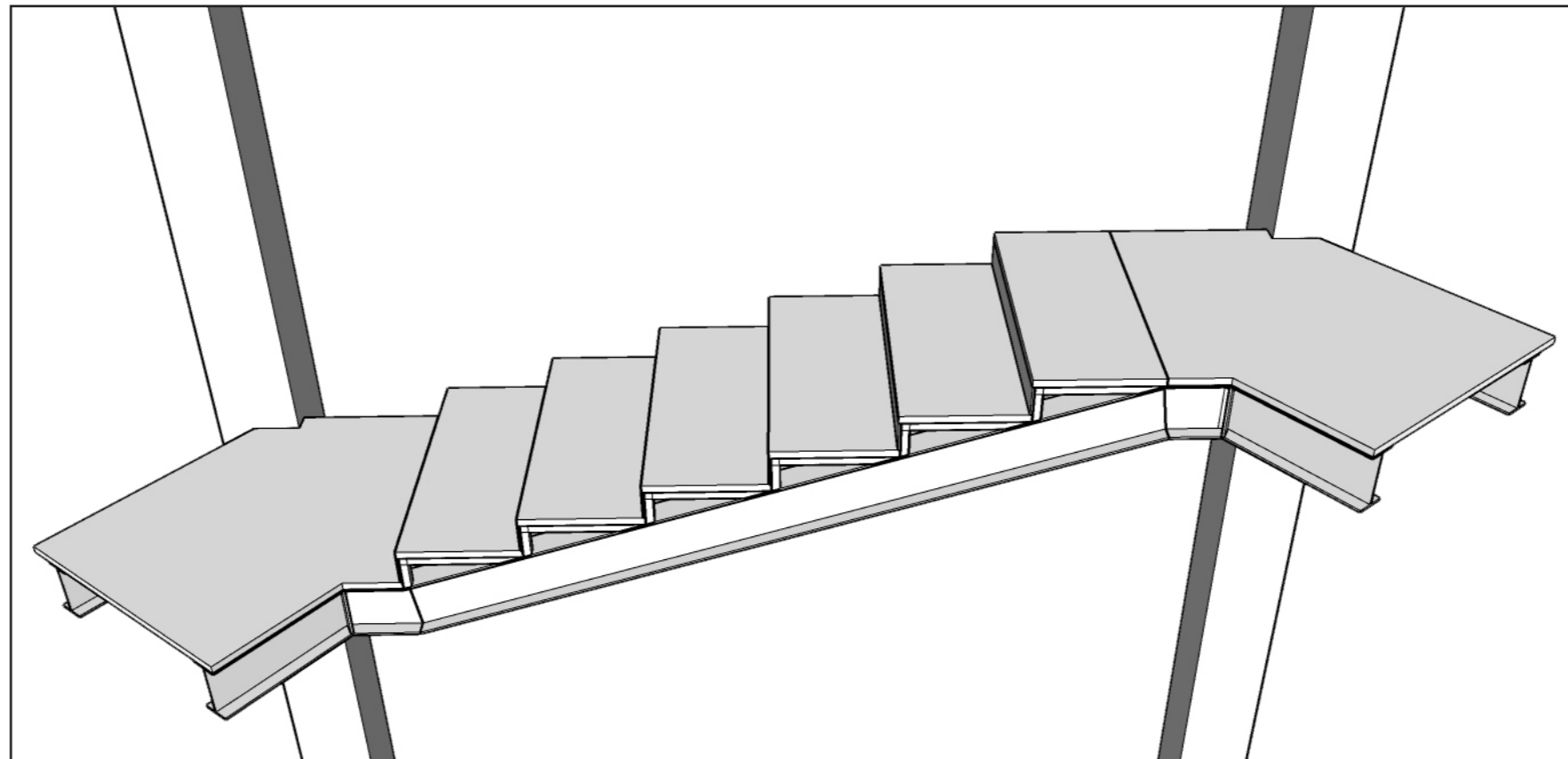
Construction of stair element



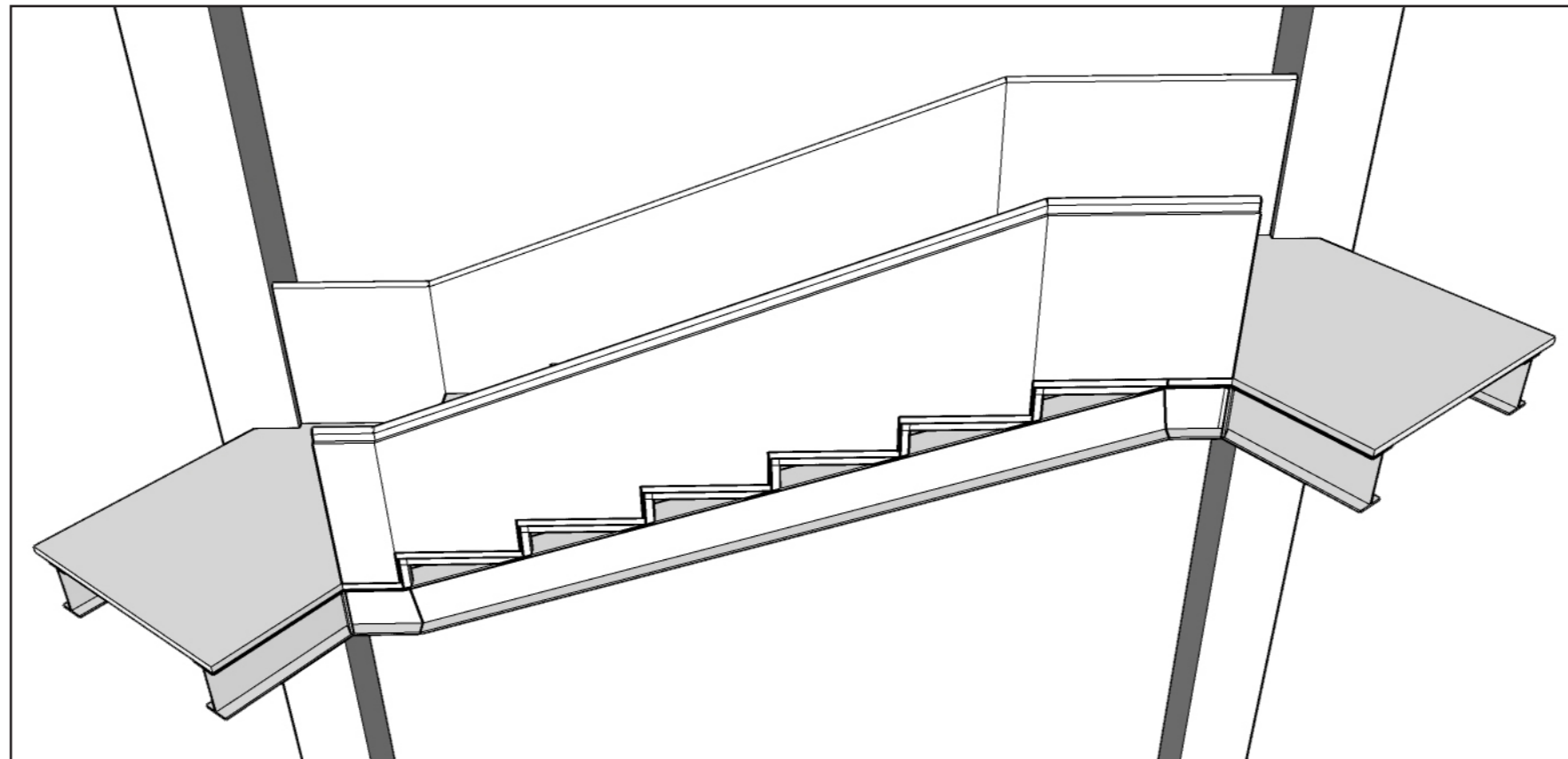
Construction of stair element



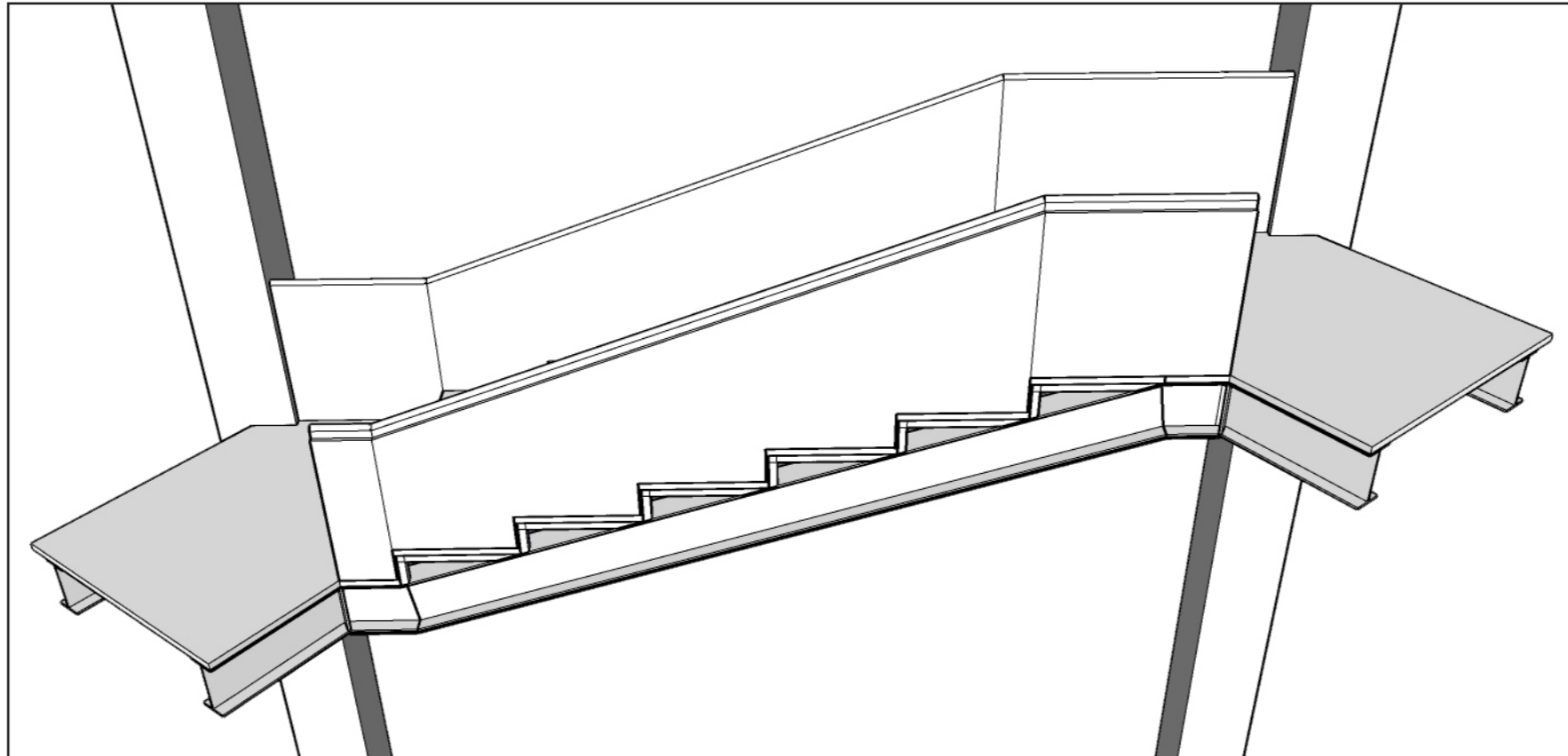
Construction of stair element



Construction of stair element



Construction of stair element



Construction of stair element

