



BRIDGING THE URBAN LIFE

An Urban Living Room for Dordrecht

SHI HAOYU _ 5050421

PRESENTATION 5

28 / 06 / 2021

-- Design Mentor: Lidy Meijers / BT Mentor: Frank Koopman / Research Mentor: Hielkje Zijlstra --

-- AR3AH105 Graduation Studio / Adapting 20th Century Heritage / Spatial Building Typology research group --

Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

CONTENT

—	RESEARCH FOCUS <i>research focucs/programme/spatial concept</i>	—
—	BUILDING ANALYSIS <i>current situation/history/structure/value</i>	—
—	DESIGN PROPOSAL <i>scenario/spatial feeling/material/detail</i>	—
—	CLIMATE DESIGN <i>zoning/system choice/summer+winter</i>	—

Vacant Heritage - Department Stores V&D's



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CHAPTER 1.

— **RESEARCH FOCUS** —
research focucs/programme/spatial concept

Caron. (nd.), Impressie Door Architect Caron Rond 1910. [image] Available at: <<https://www.winhov.nl/projecten/v-d-complex/>> [Accssed 31 October 2020].

Vacant Heritage - Department Stores V&D's

Photo: former V&D building in Dordrecht, from regional archive, n.d



BEFORE

Photo: *Doek V&D gevallen*, (Rtlnieuws, 2015)



PRESENT

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BACKGROUND INFORMATION

Caron. (nd.), Impressie Door Architect Caron Rond 1910. [image] Available at: <<https://www.winhov.nl/projecten/v-d-complex/>> [Accssed 31 October 2020].
Rtlnieuws. (2015, December 31). Doek V&D gevallen, een overzicht van rampjaar 2015. RTL Nieuws.

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Drawing: Louis Auguste Boileau. Stairs at Le Bon Marché, Gustave Eiffel; 1876.



Photo: Vroom & Dreesmann.

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FIRST DESIGN IDEA

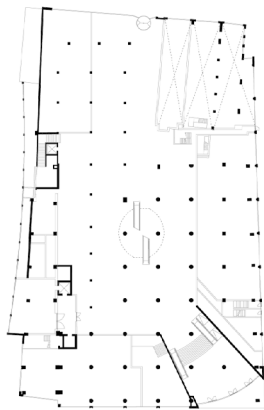
Spoorenberg, J. (1994). Vroom & Dreesmann [Photo]. http://eindhoven-encyclopedie.nl/index.php/Vroom_%26_Dreesmann
Bittman, L., & Bittman, L. (2019). *Compartment Couture: New York City Department Stores 1850-1930*. Fashion History Timeline.



URBAN



BLOCK

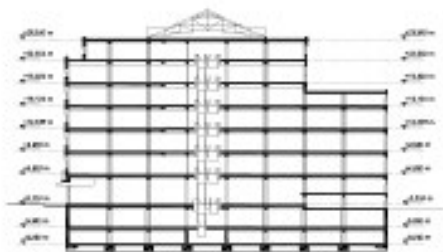


BUILDING

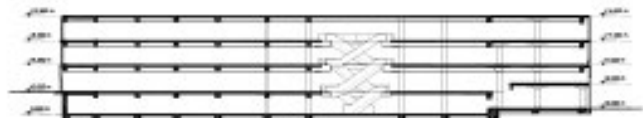


FACADE

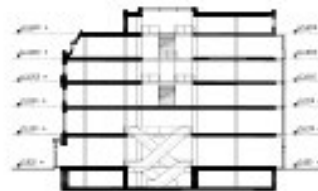
STEP1. RESEARCH AT 4 SCALE LEVELS



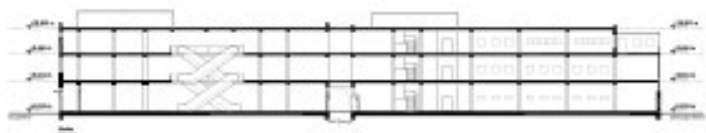
HAARLEM



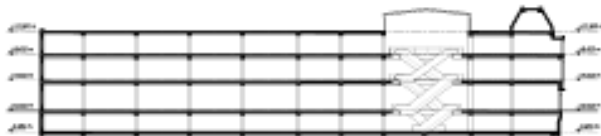
DORDRECHT



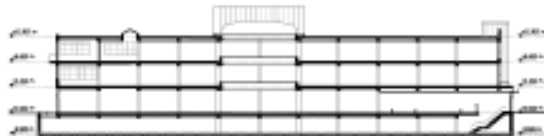
AMSTERDAM



ALKMAAR



AMERSFOORT



ENSCHEDA



MAASTRICHT



LEIDEN

STEP2. COMPARISON AMONG LOCATIONS

SPATIAL BUILDING TYPOLOGY RESEARCH

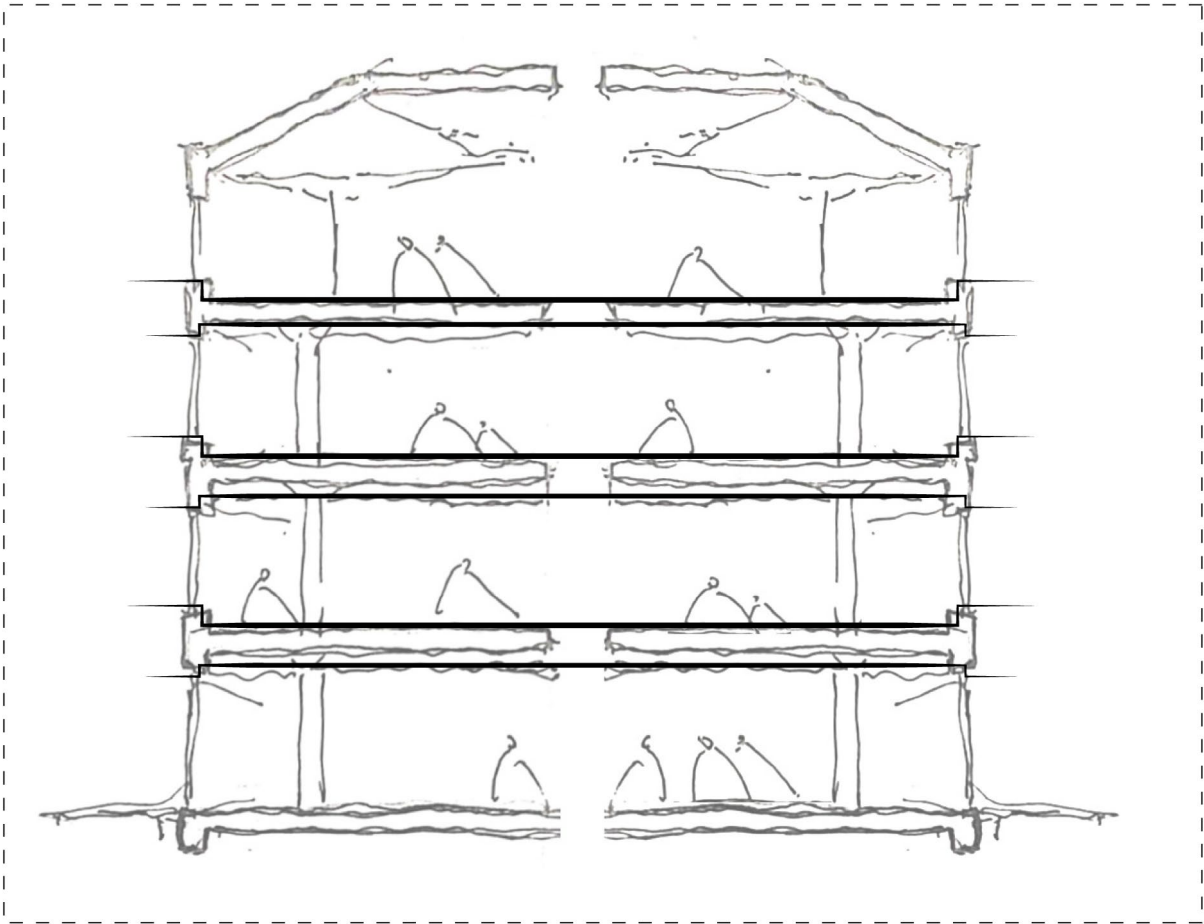
SBT. (2021). *Spatial building typology*. Vacant Heritage: Department Stores | V&D's, TU Delft.
Jallon, B., & Napolitano, U. (2017). *Haussmann. Paris*. Zürich: Park Books.

Vacant Heritage - Department Stores V&D's

Sketch: Insufficient spatial transition, by author, 2020



CLOSED BUILDING BOUNDARY



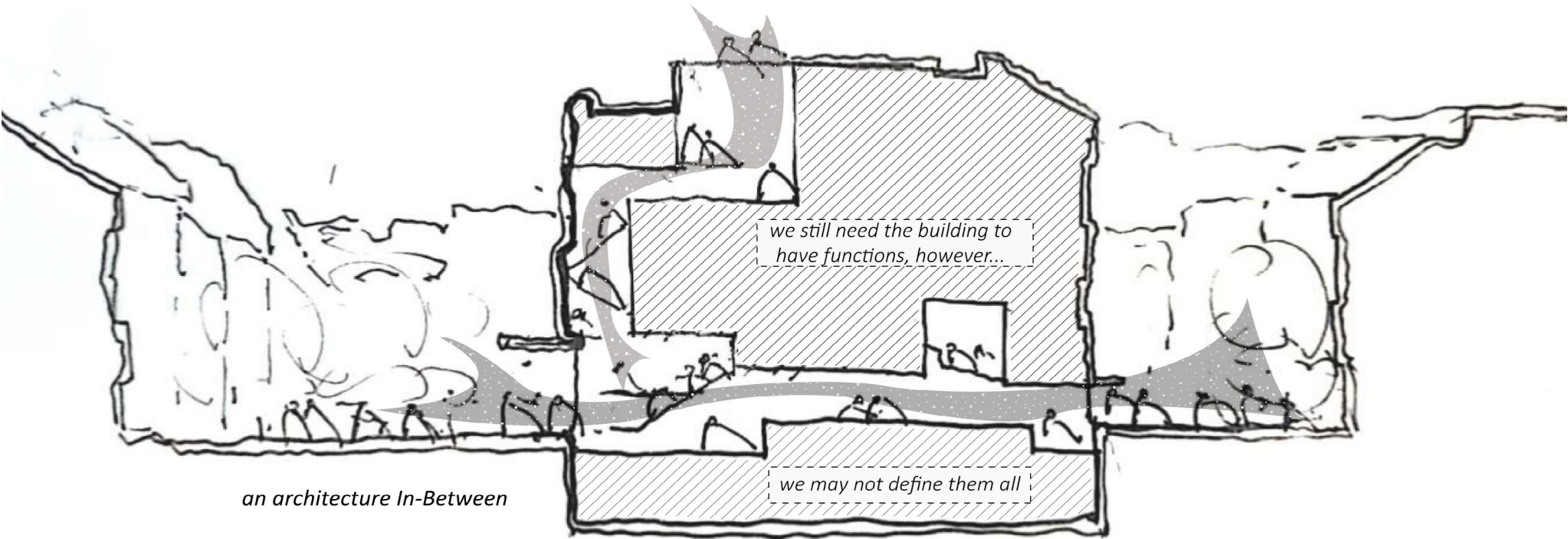
HOMOGENEOUS INTERIOR SPACE

DILEMMA OF DEPARTMENT STORE BUILDINGS

SBT. (2021). Spatial building typology. Vacant Heritage: Department Stores / V&D's, TU Delft.

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Space transition is something needs to be improved during the later redesign.

HYPOTHESIS

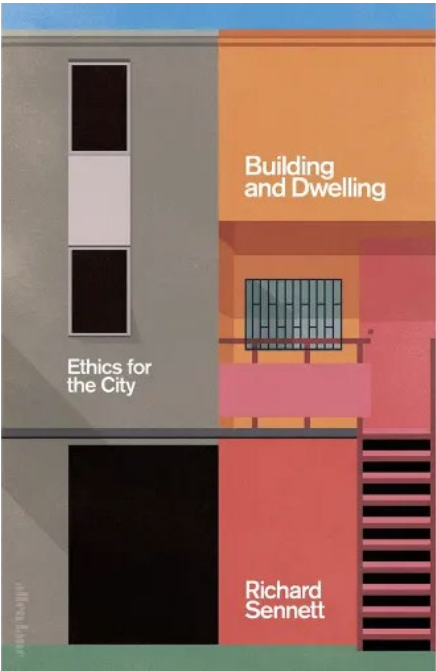
*An intermediary space that can establish a transitional level from private space to public space and form a continual sense of territory, security, and subordination¹. That is **In-between space**.*

How can involving 'In-between Space' in the redesign process contribute to the final result of the adaptive reuse design of a heritage building?

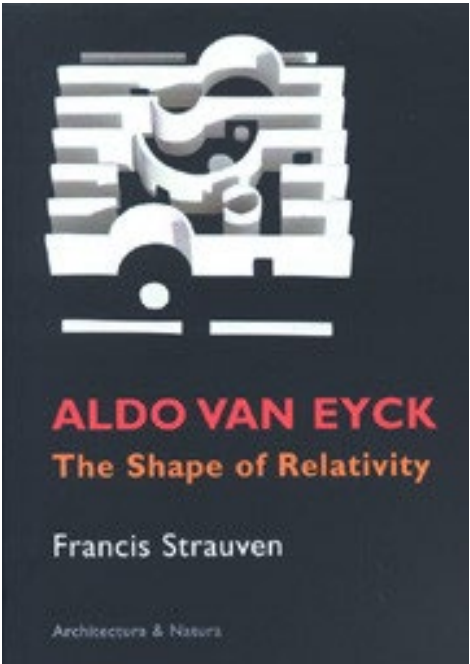
INDIVIDUAL RESEARCH QUESTION

Strauven, F., (2007). Aldo van Eyck – Shaping the New Reality From the In-between to the Aesthetics of Number. CCA Mellon Lectures, (12).

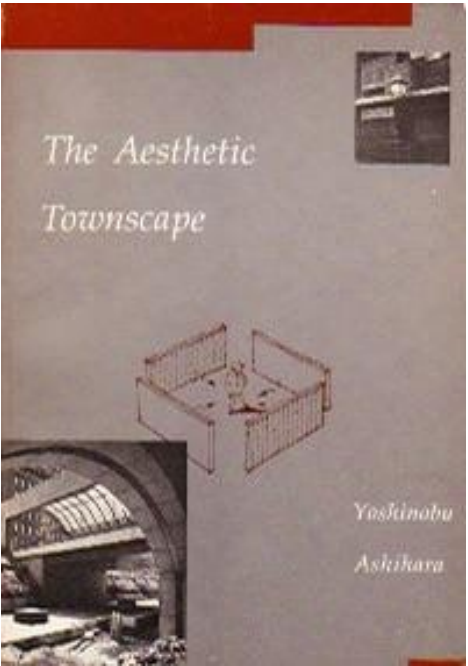
Vacant Heritage - Department Stores V&D's



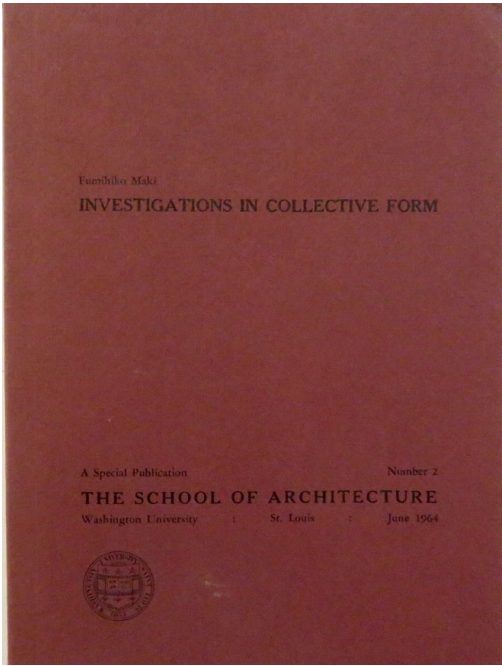
Open City - RICHARD SENNETT



In-between Realm - ALDO VAN EYCK



Gray Space - KISHO KUROKAWA



Intermediate Elements - FUMIHIKO MAKI

Picture: Literature about in-between space, accessed from the cover of online book



“a place that contains all humans' fun and further expands their living space.”
-- Kisho Kurokawa

“a meaningful, psychologically effective transitions.”
-- Aldo Van Eyck

“a porous edge, membrane that stimulates vigorous public activities.”
-- Richard Sennett

“the space demonstrates the cohesion of masses around them.”
-- Fumihiko Maki



HUMAN SCALE

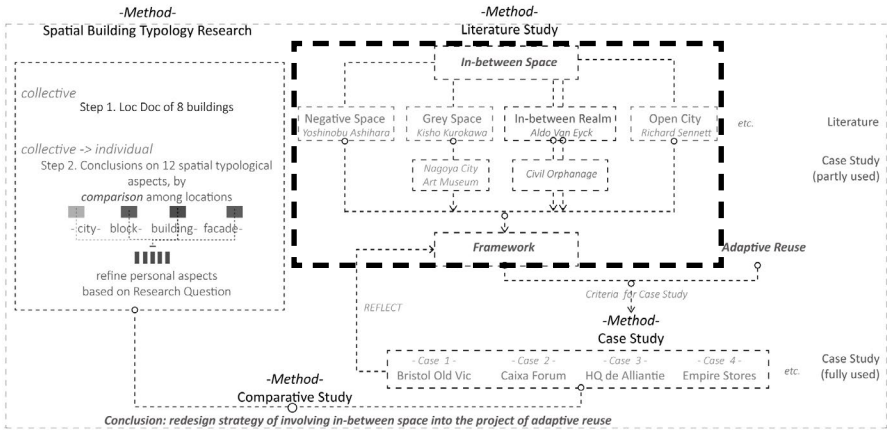
INTERIOR SCALE

BUILDING SCALE

URBAN SCALE

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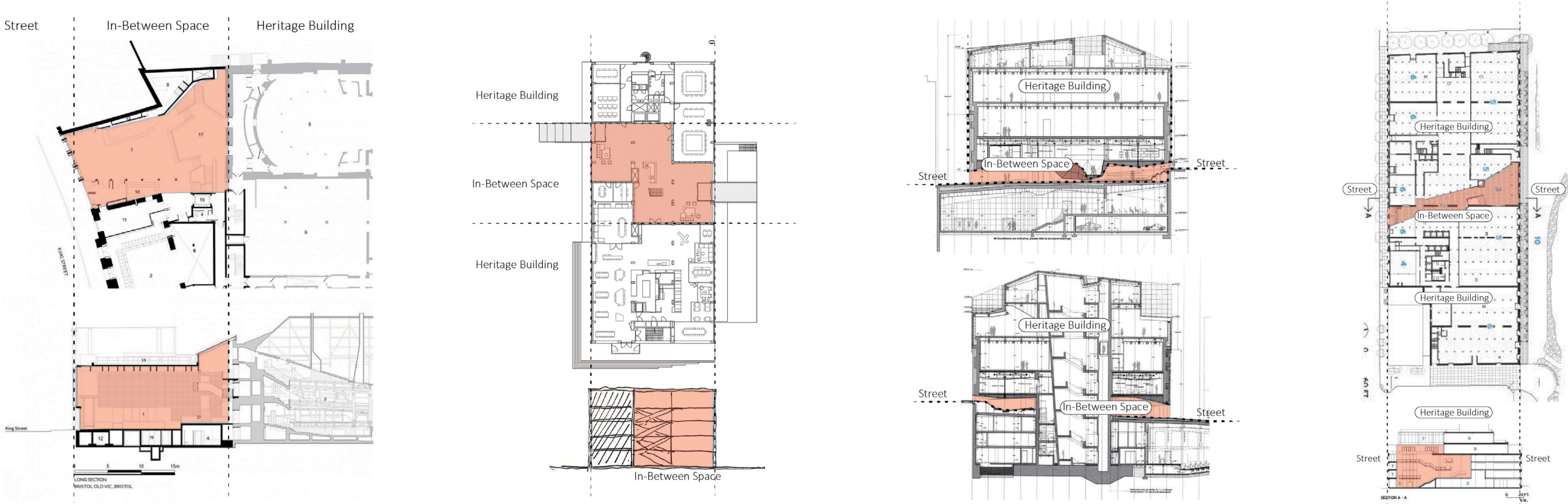
LITERATURE RESEARCH



Kurokawa, Kisho. (1987) *The Architecture of Symbiosis*. Rozzoli
Maki, F. (1964). *Investigations in Collective Form*. Washington University School of Architecture.

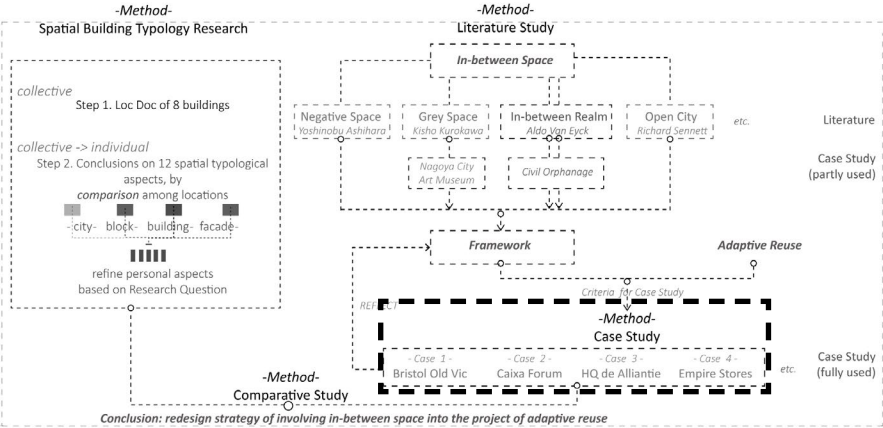
Sennett, R., (2019). *Building And Dwelling_ Ethics For The City*. 1st ed. London: Penguin Books.
Strauven, F., (2007). *Aldo van Eyck – Shaping the New Reality From the In-between to the Aesthetics of Number*. CCA Mellon Lectures,

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Illustration: Spatial transition in transformed building, diagram by Author based on drawings of Bristol Old Vic, Caixa Forum Madrid, De Alliantie HQ, Empire store



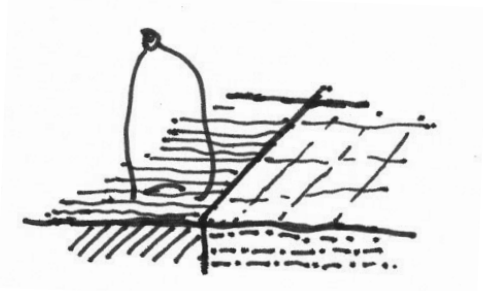
CASE STUDY RESEARCH

S9 Architecture, (2018). *Empire Stores*. [online] Architecturalrecord.com.
Stunioninedots, (2016). *de Alliantie HQ*. [online] de Alliantie HQ

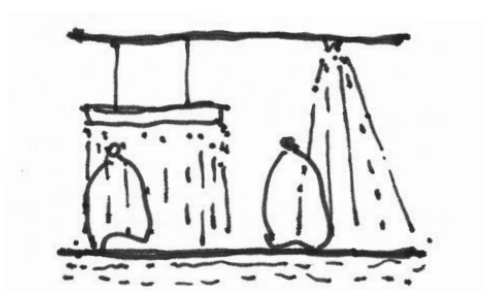
Herzog & de Meuron, (2008). *Caixaforum Madrid By Herzog & De Meuron*. [online] Dezeen.
Haworth Tompkins, (2019). *Bristol Old Vic / Haworth Tompkins*. [online] ArchDaily.

in-between space at different scale level..

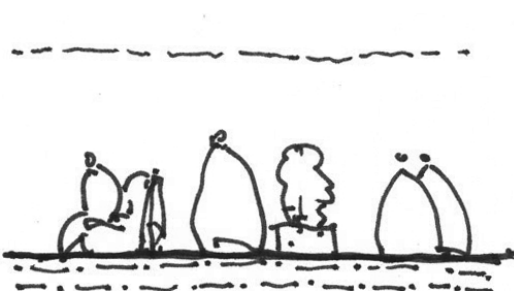
Human scale



MATERIAL / PAVEMENT



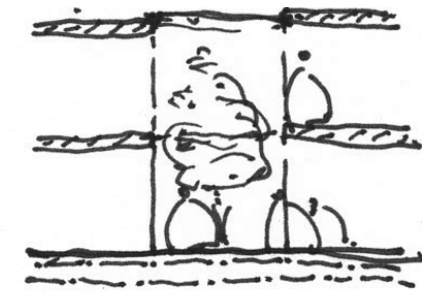
LIGHTING



FURNITURE LAYOUT

...

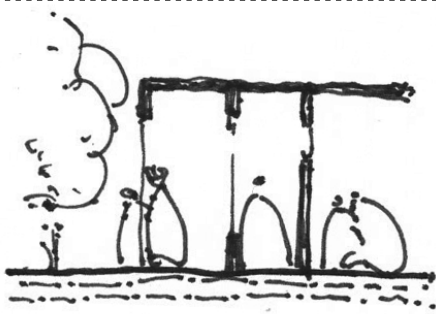
Interior level



COURTYARD / ATRIUM



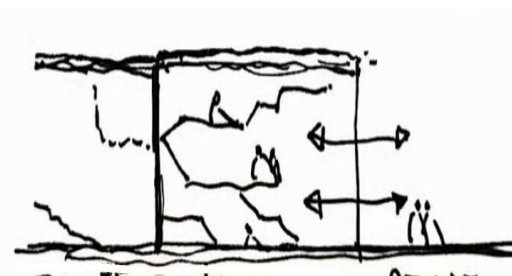
LEVEL DIFFERENCE



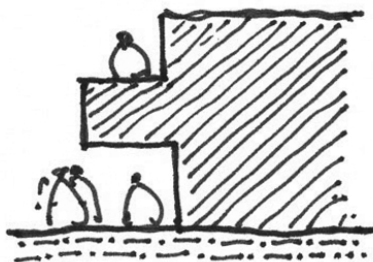
SEQUENCE OF SPACE

...

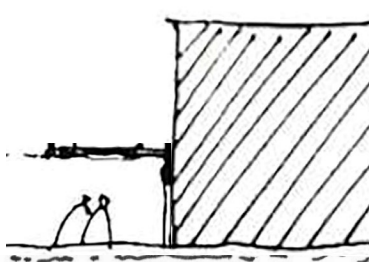
Street & Building



ENTRY LOBBY



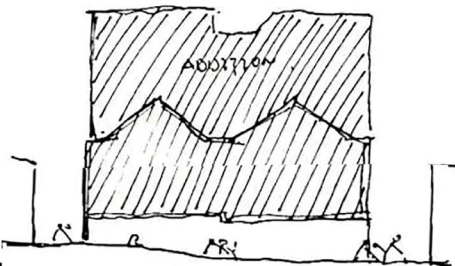
SET BACK



CANOPY

...

Urban block



OPEN GROUND FLOOR



INTEGRATE URBAN ROUTING



GREEN ROOF

always to be extended ...

Illustration: Spatial transition at different scale level, diagram by Author based on analysis of case studies from previous pages

RESEARCH OUTCOME

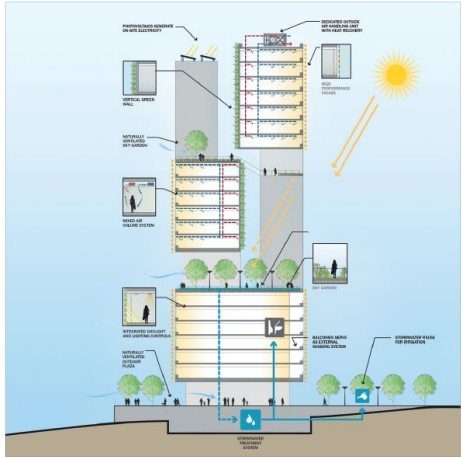
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Vacant Heritage - Department Stores V&D's

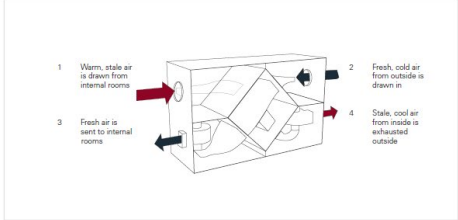
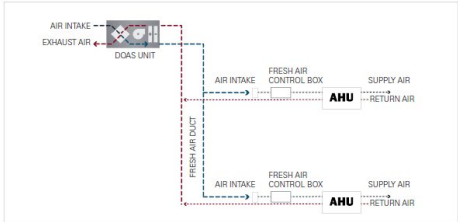


Environmental section



44

Dedicated outdoor air system
Energy recovery unit/air diagram



45



building technology, climate, materiality...etc

RESEARCH ALWAYS TO BE EXTENDED

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CHAPTER 2.

— **BUILDING ANALYSIS** —
current situation/history/structure/value

Photo: Former V&D building in Dordrecht, by author, taken at 14/12/2021.

Vacant Heritage - Department Stores V&D's



Illustration: Urban plan of Dordrecht, diagram by Spatial Building Typology group, 2020

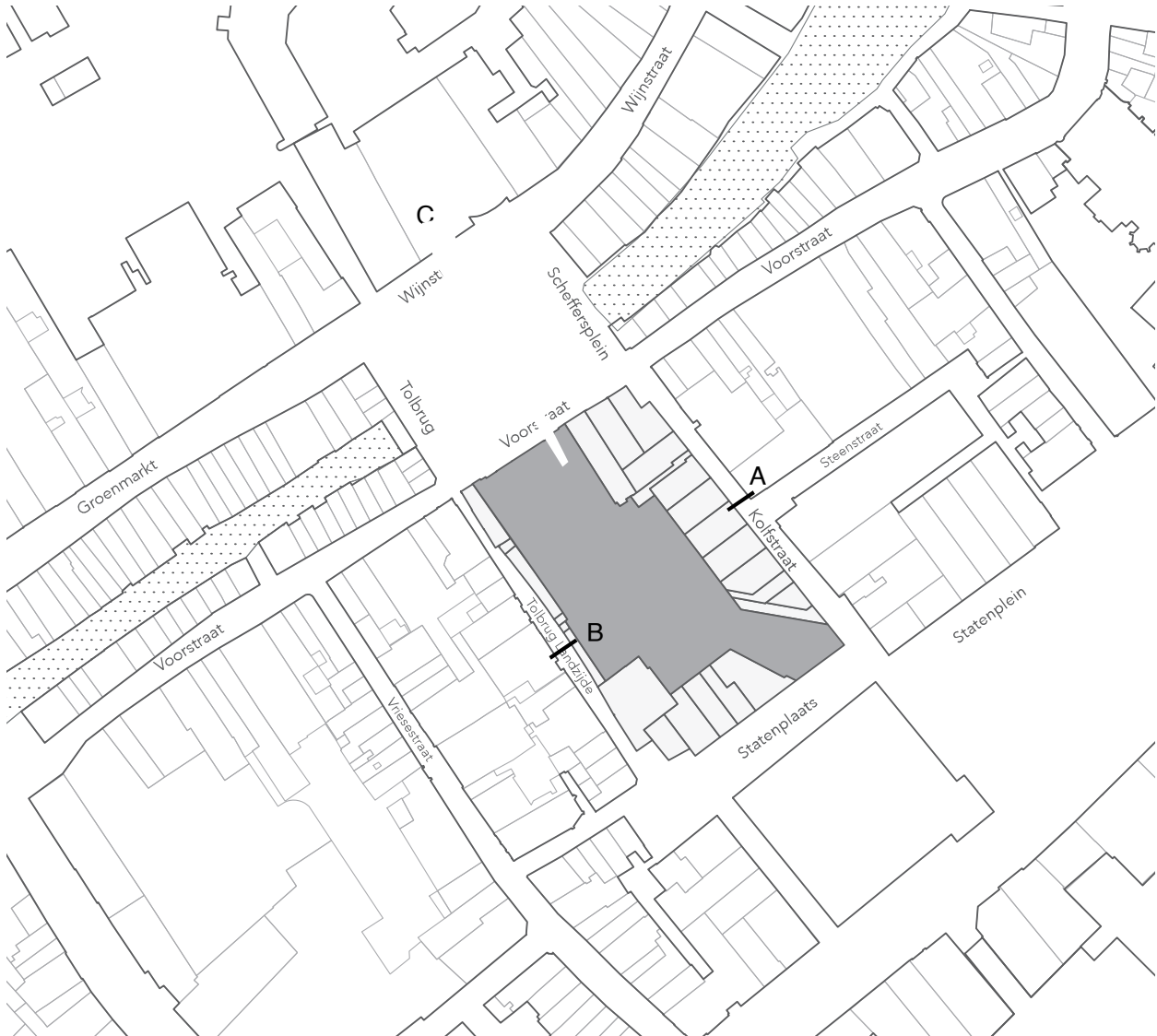


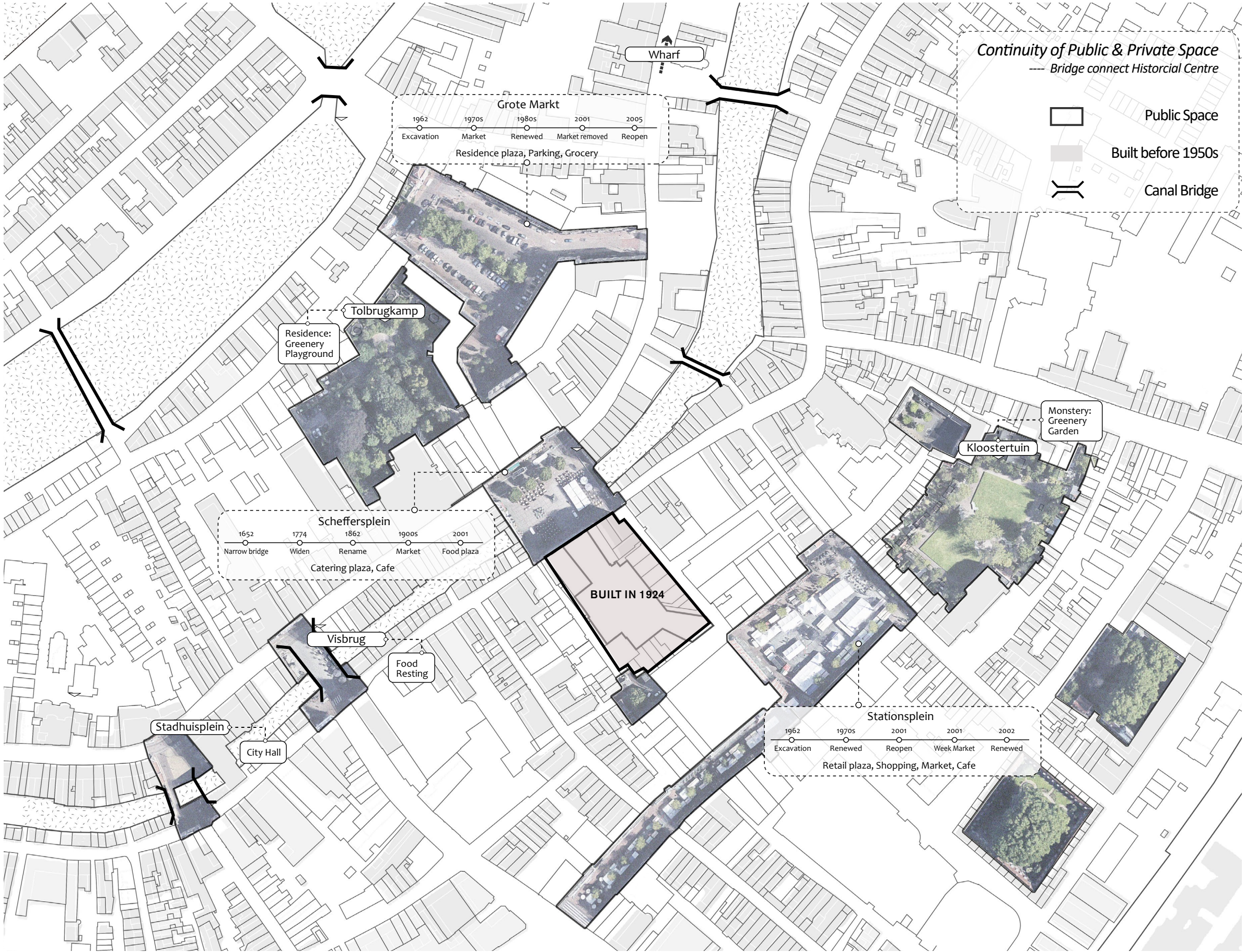
Illustration: Master Plan of Dordrecht V&D, diagram by Spatial Building Typology group, 2020

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LOCATION ANALYSIS

SBT. (2021). Spatial building typology. Vacant Heritage: Department Stores / V&D's, TU Delft.

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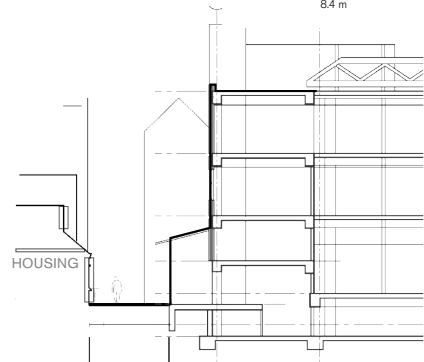
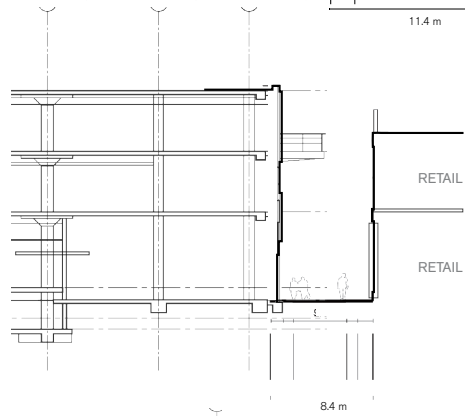
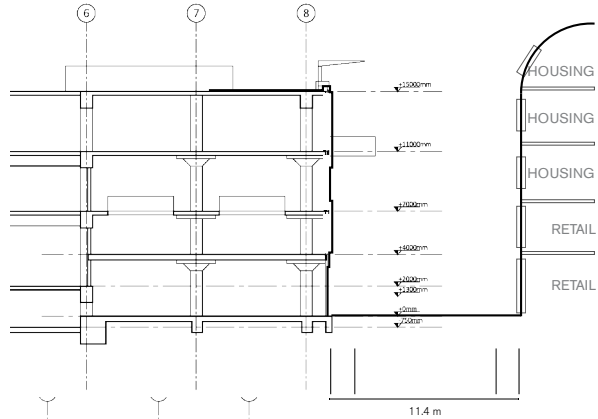
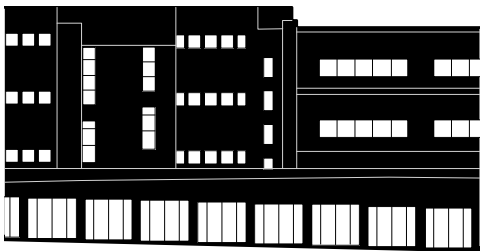
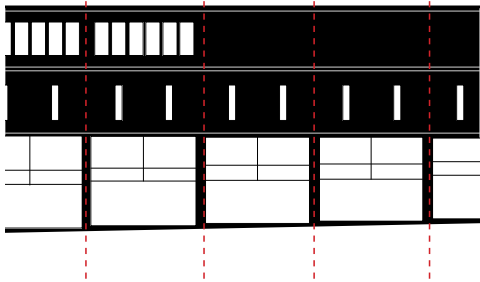
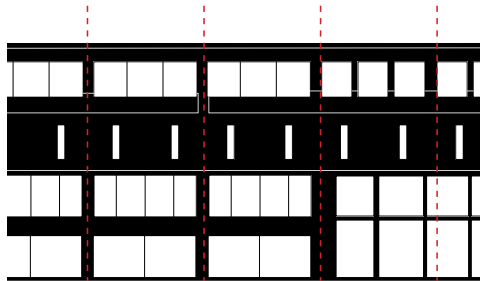
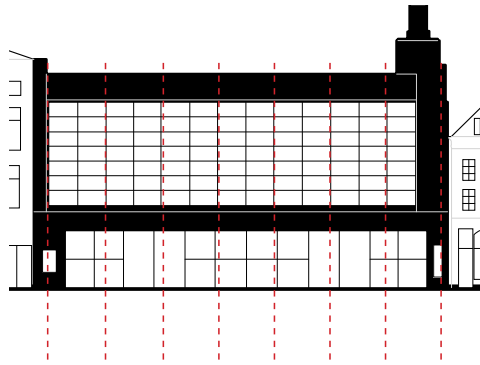
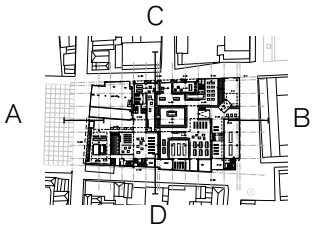


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CONTINUITY OF URBAN ROUTING

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SCALE 0 10 15 m



Section A



Section B



Section C

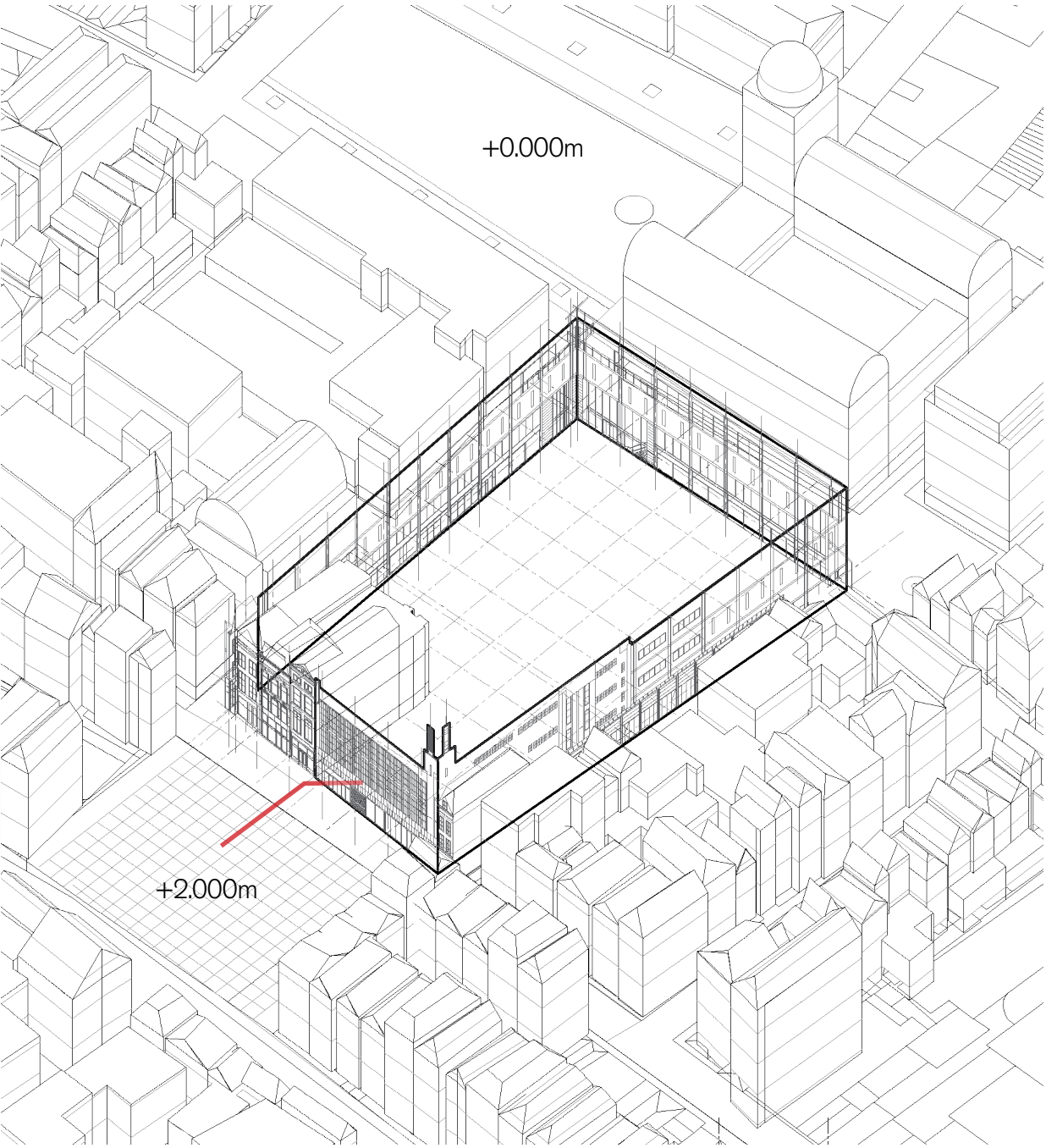


Section D

CONNECTIONS WITH THE CONTEXT

SBT. (2021). *Spatial building typology. Vacant Heritage: Department Stores / V&D's*, TU Delft.

Vacant Heritage - Department Stores V&D's



Total floor area: 2320(Basement)+4200*3=14,763.5m²

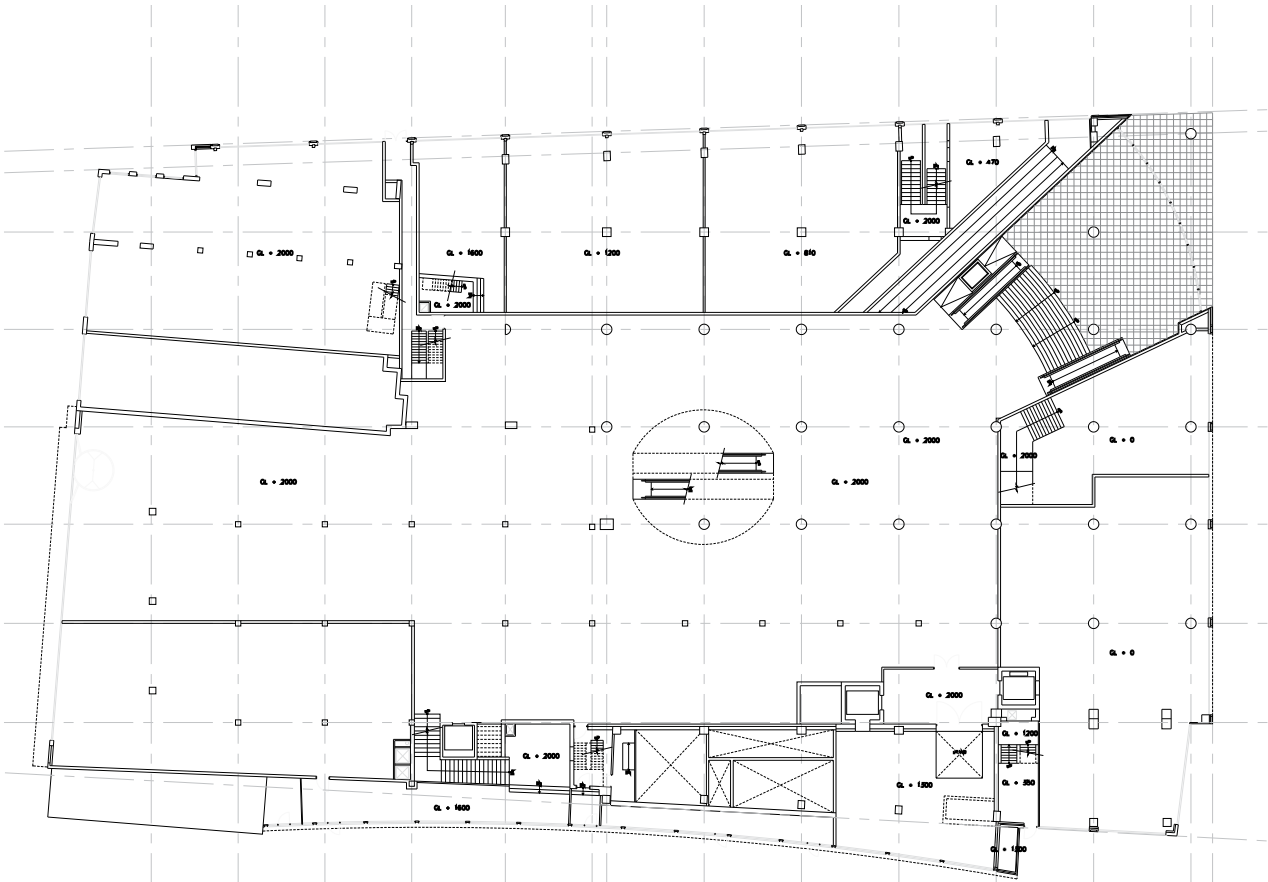
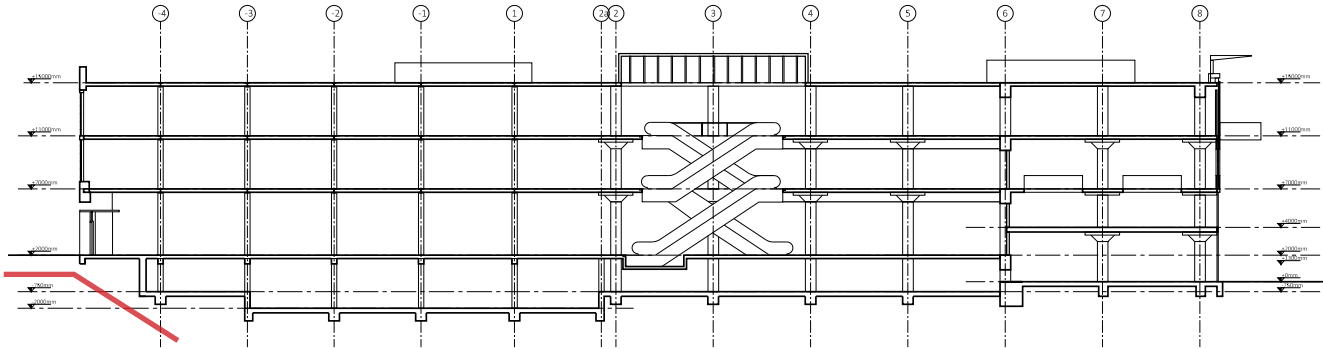


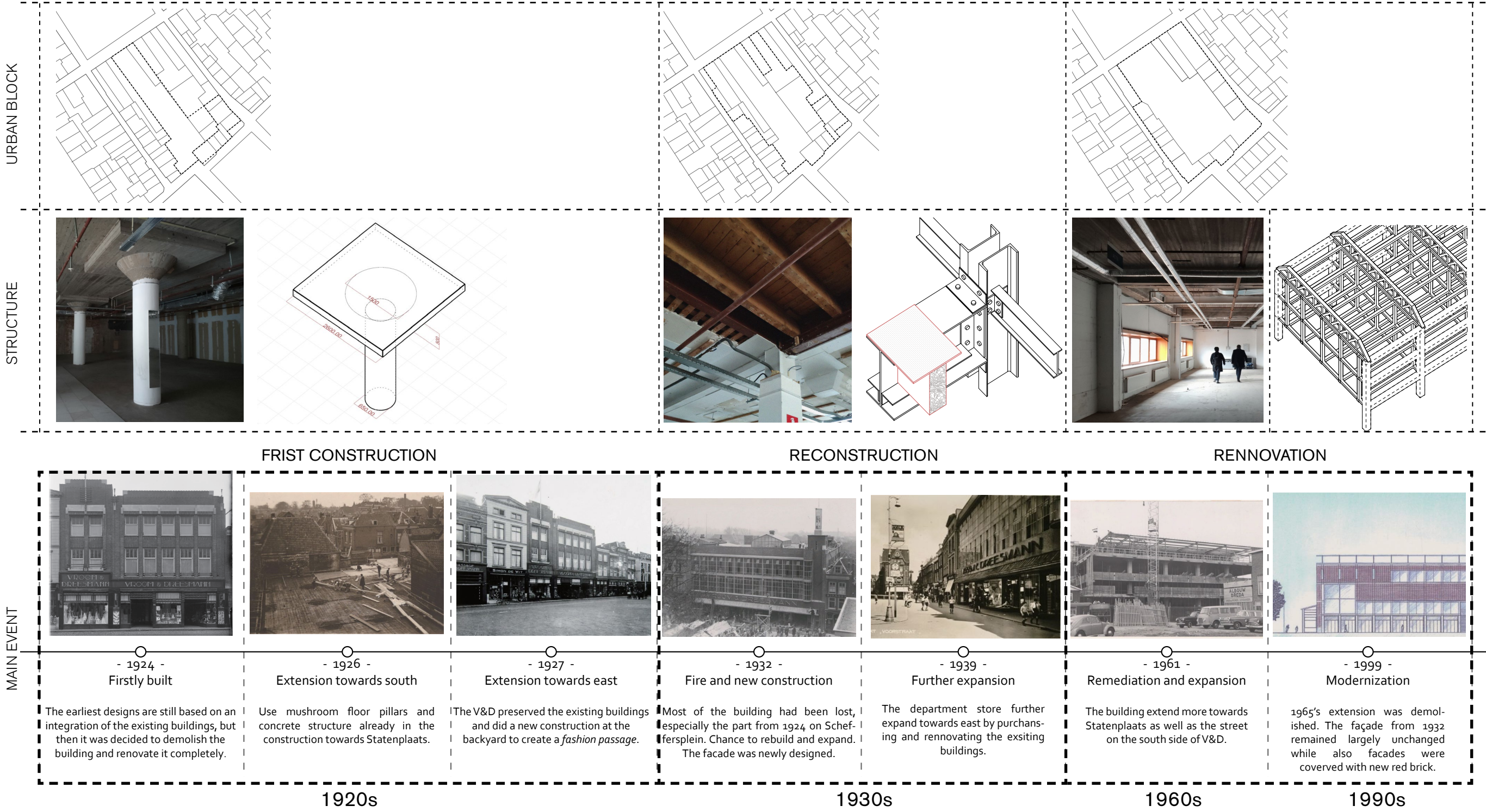
Illustration: Axon view of former V&D building in Dordrecht, section, plan, based on SBT research(2020)

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CURRENT SITUATION

SBT. (2021). *Spatial building typology. Vacant Heritage: Department Stores / V&D's*, TU Delft.

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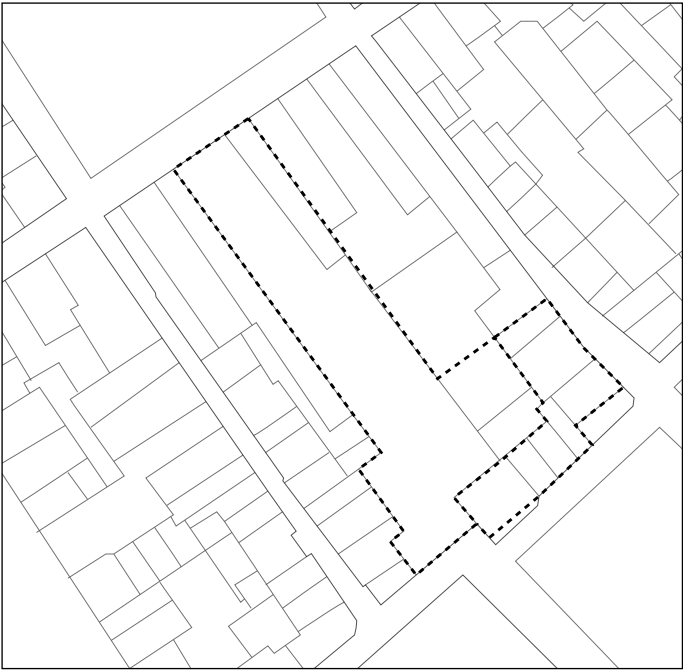


Vacant Heritage - Department Stores V&D's

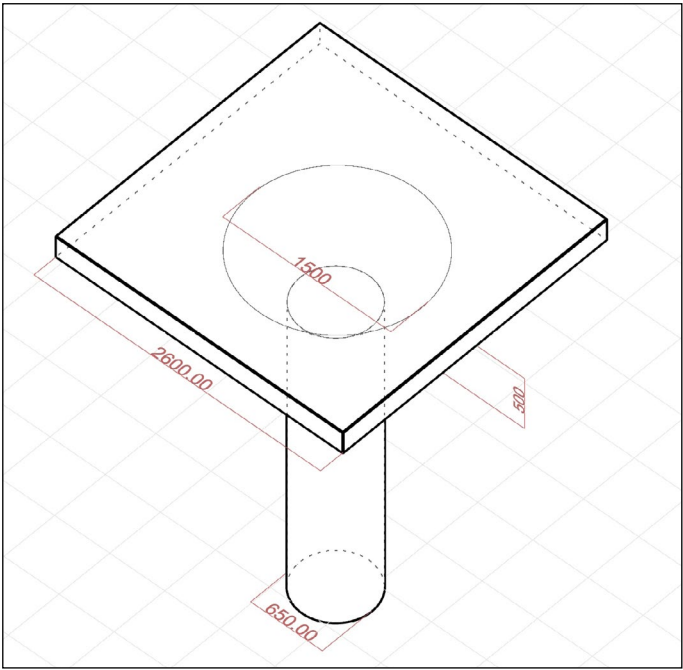
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1920S - FIRSTLY BUILT

HISTORICAL MAP



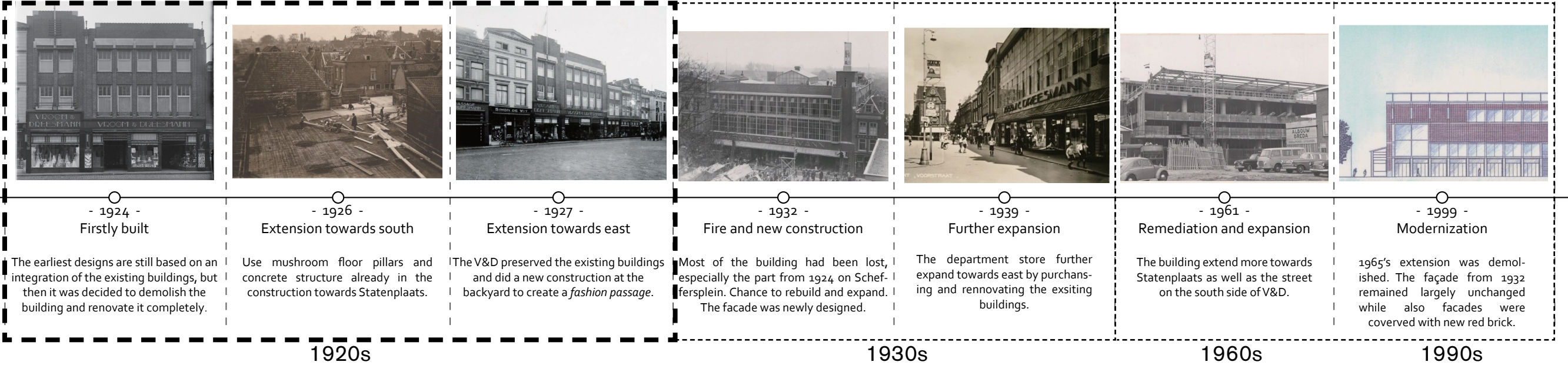
STRUCTURAL DIAGRAM



SITE PHOTO



TIMELINE



1920s

1930s

1960s

1990s

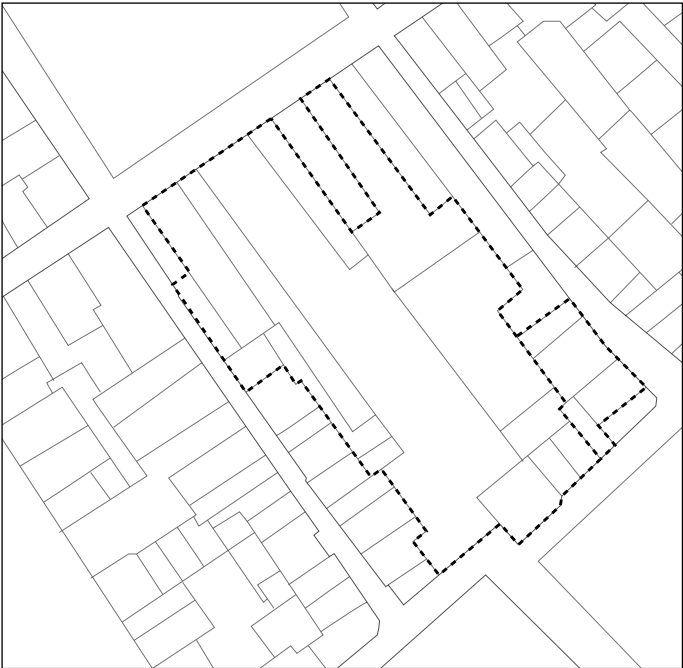
Illustration: The history of Voorstraat 258, by author, based on Nipedes report(2020)

HISTORY OF THE BUILDING

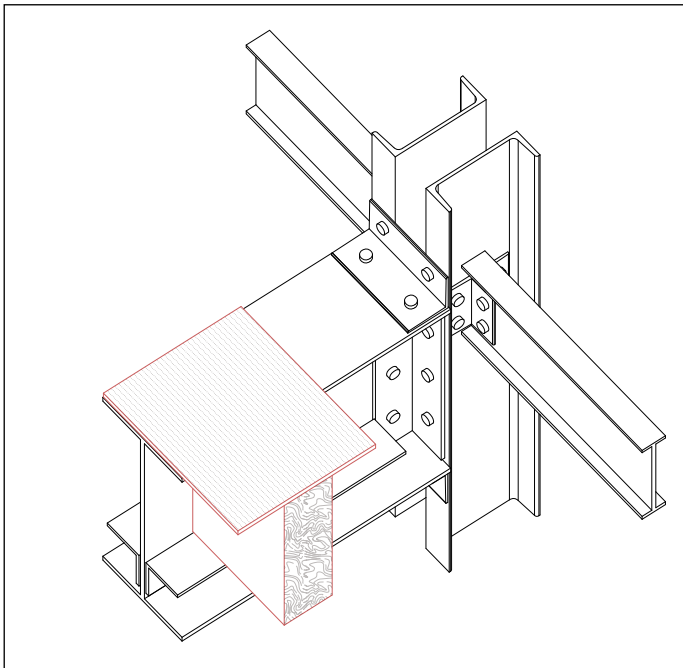
NIPIDES. (2020). Bouwhistorisch Rapport Voorstraat 258-258A V&D pand. J.A. Nipius. Dordrecht

1930S - BURNT DOWN AND RECONSTRUCTION

HISTORICAL MAP



STRUCTURAL DIAGRAM



SITE PHOTO



Vacant Heritage - Department Stores V&D's

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TIMELINE

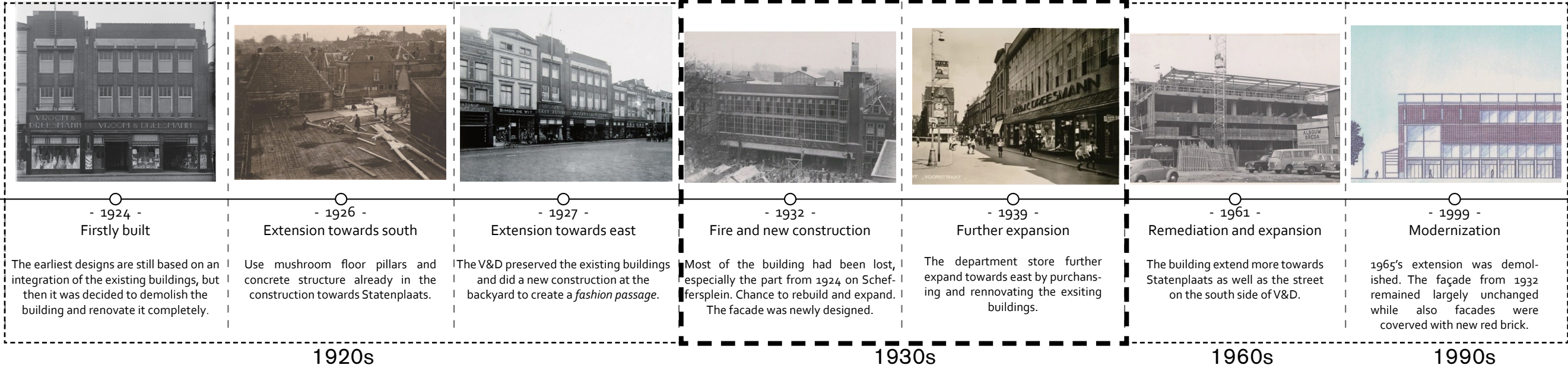


Illustration: The history of Voorstraat 258, by author, based on Nipedes report(2020)

HISTORY OF THE BUILDING

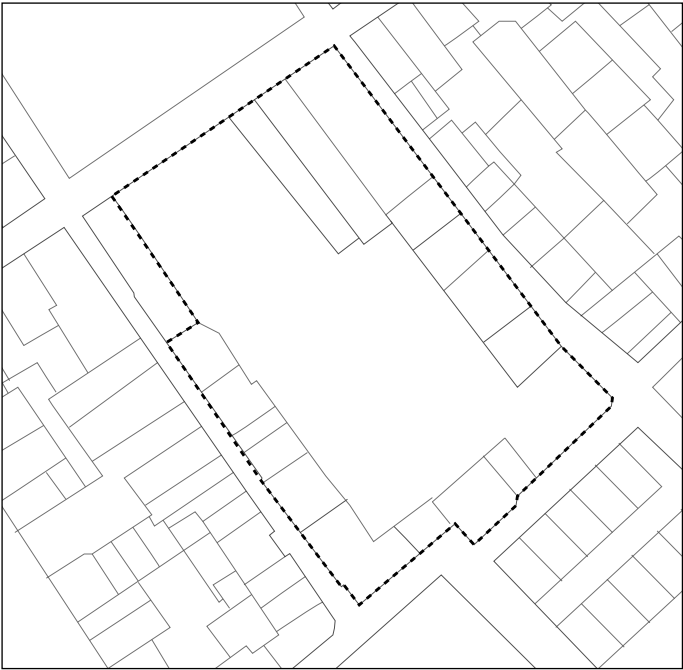
NIPIDES. (2020). Bouwhistorisch Rapport Voorstraat 258-258A V&D pand. J.A. Nipius. Dordrecht

Vacant Heritage - Department Stores V&D's

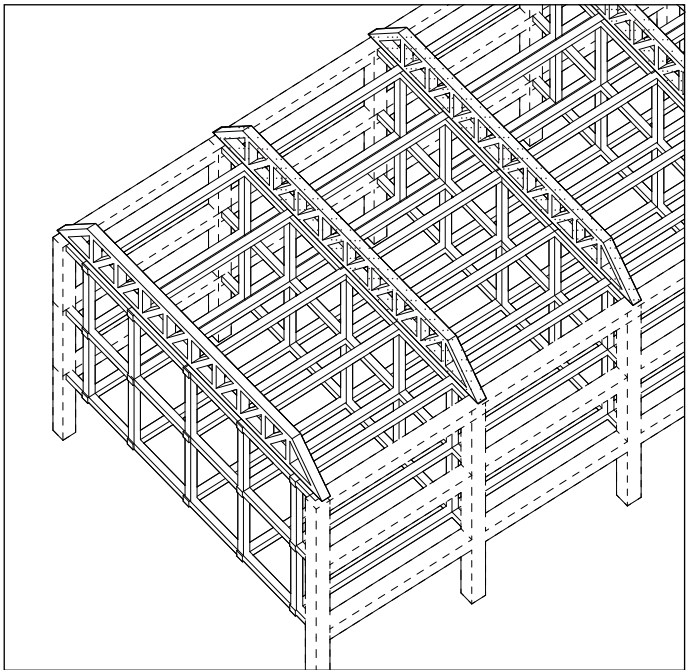
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1960S & 1990S - RENNOVATION

HISTORICAL MAP



STRUCTURAL DIAGRAM



SITE PHOTO



TIMELINE

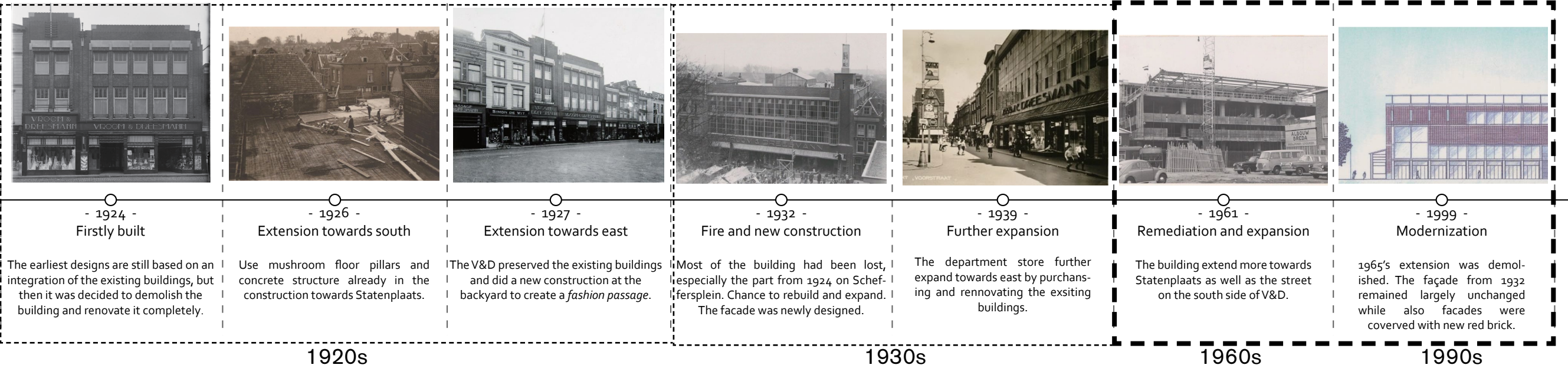


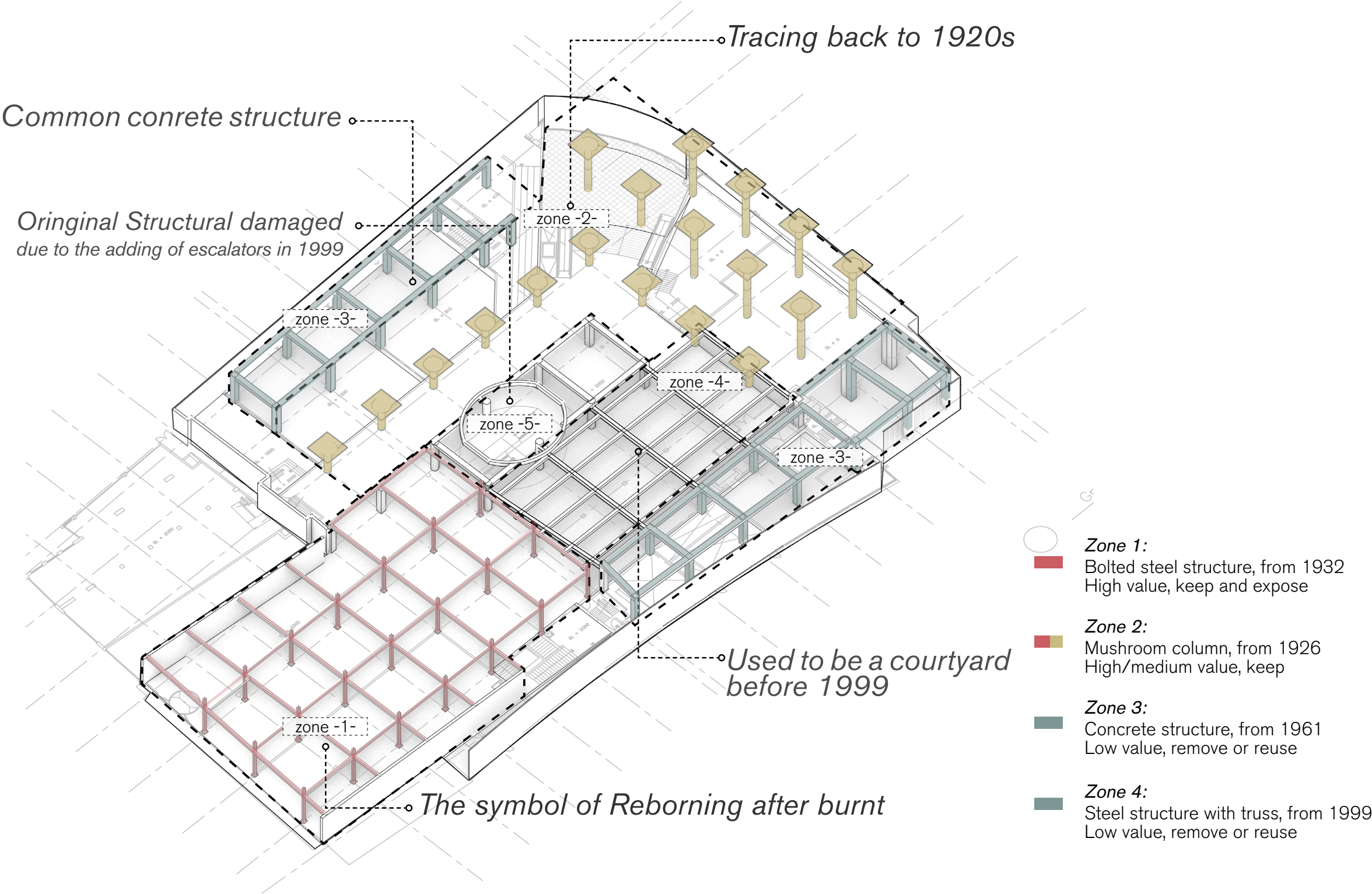
Illustration: The history of Voorstraat 258, by author, based on Nipides report(2020)

HISTORY OF THE BUILDING

NIPIDES. (2020). Bouwhistorisch Rapport Voorstraat 258-258A V&D pand. J.A. Nipius. Dordrecht

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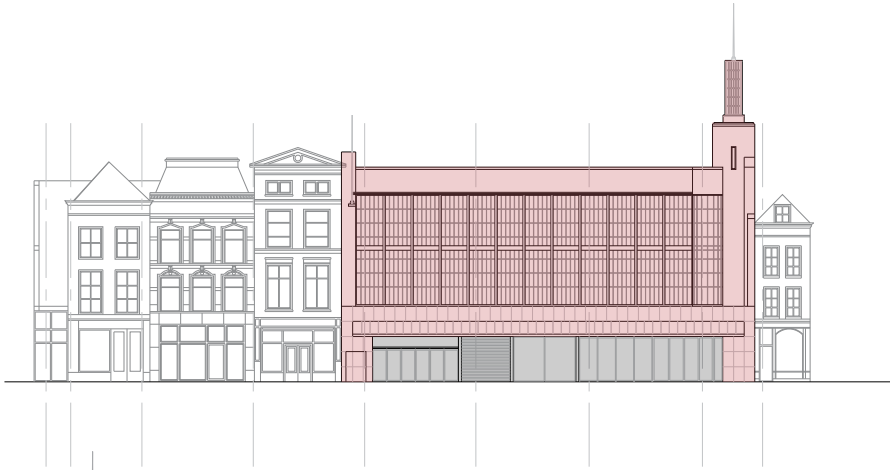
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COMPLEXITY OF THE STRUCTURE

Vacant Heritage - Department Stores V&D's

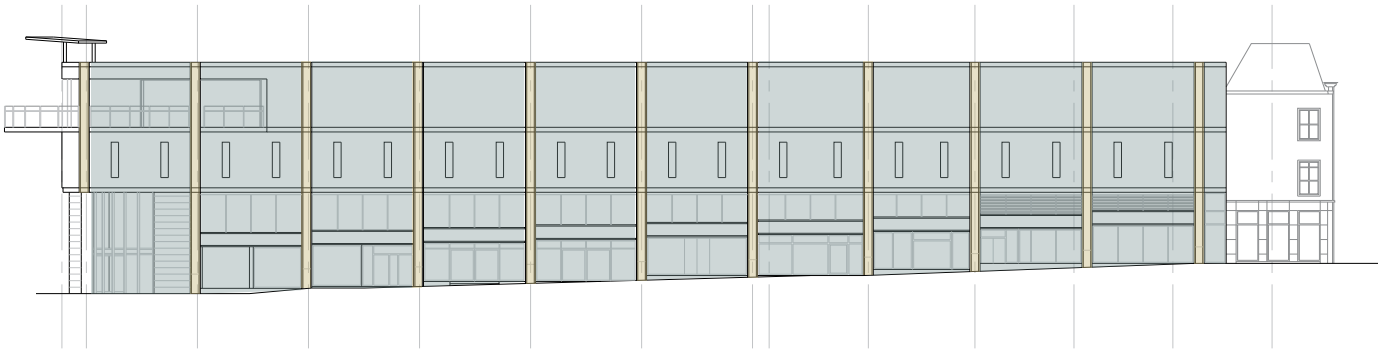
Bridging Social Life - Urban Living Room for Dordrecht



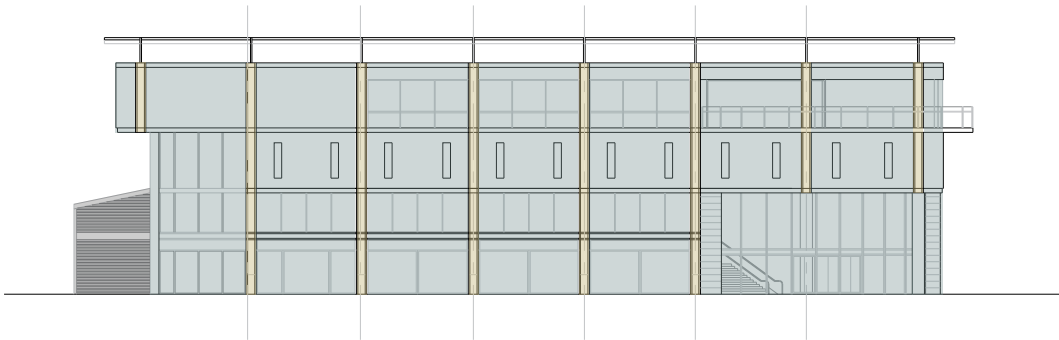
FACADE A



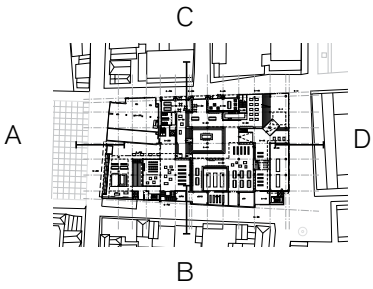
FACADE B



FACADE C



FACADE D



- High value
- Medium value
- Low value
- No value

VALUE ASSESSMENT OF THE FACADES

SBT. (2021). Spatial building typology. Vacant Heritage: Department Stores / V&D's, TU Delft.



Screenshot: 3D view of former V&D building in Dordrecht, based on Google map, accessed in 2021.

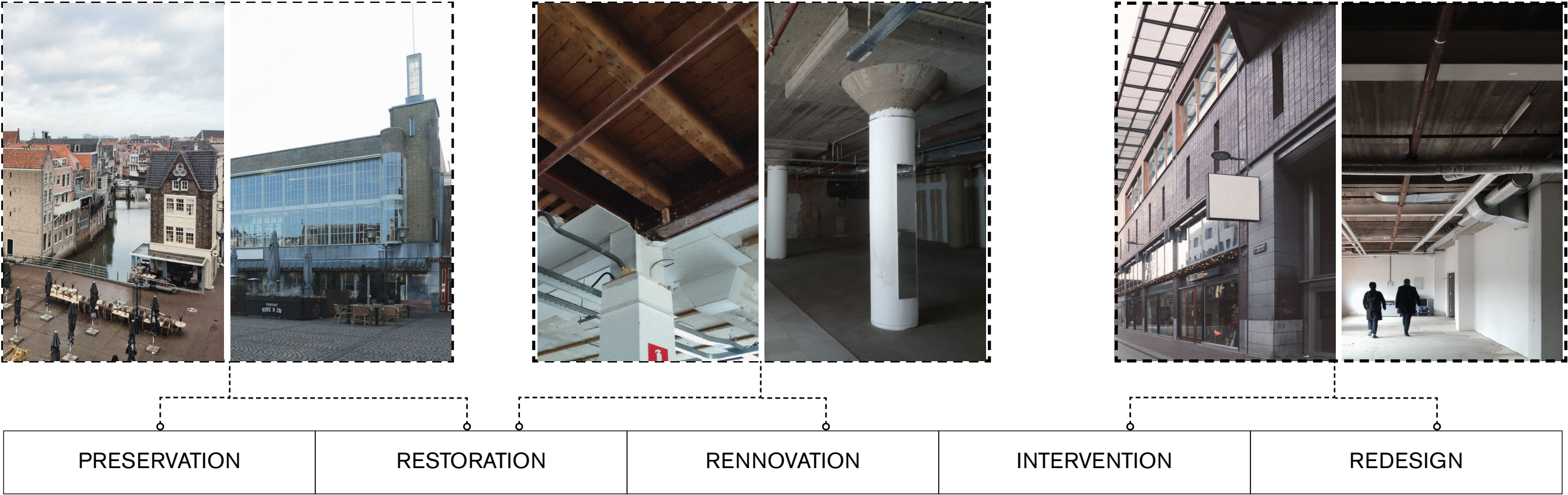


Photo: ceiling of former V&D building in Dordrecht, by author, taken in 2020.

- * A big block, but consists of different fragements *
- * Valuable elements are hidden / not stand out *

DILEMMA OF THE BUILDING

Vacant Heritage - Department Stores V&D's



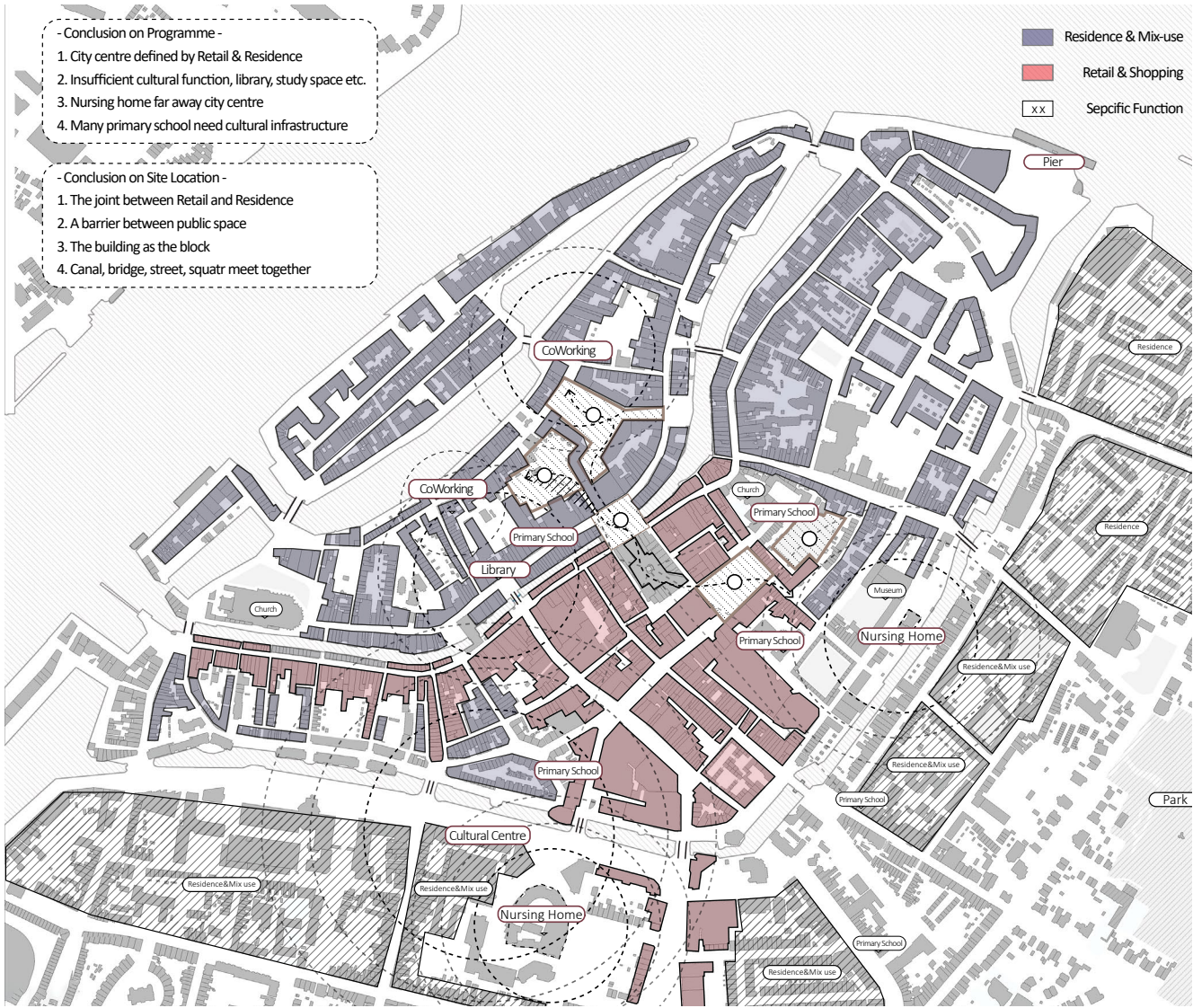
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- 1. Respond to the urban context (material, programme, spatial feeling)
- 2. Respond to the building history (public interior, big fire)
- 3. Preserve the current value, Reveal the hidden value (historical facade and structure)
- 4. Intervene and redesign the rest based on one general principle

HERITAGE APPROACH

WHAT NEW PROGRAMMES SHALL WE PROPOSE?

Vacant Heritage - Department Stores V&D's



Own Illustration: Programme mapping, based on <https://www.atlasleefomgeving.nl/kaarten>, by author, 2020

Prijsvraag Huis van Stad en Regio Dordrecht
nieuwsbericht | 24 april 2019



Het Stads kantoor van de gemeente Dordrecht voldoet niet meer aan de huidige eisen en zeker niet aan de eisen van de toekomst. Daarom maakt het Stads kantoor plaats voor woningbouw en verhuist meer naar het oosten in het perspectief van de grotere gebiedsontwikkeling Spuiboulevard. Hierdoor ontstaan zowel kansen voor de binnenstad als voor een nieuw Huis van Stad en Regio. Dit nieuwe Huis, met 20.000 m2

bvo, moet plaats gaan bieden aan een deel van de ambtelijke organisatie van de gemeente Dordrecht en de Drechtsteden, Dordrecht Marketing/VVV en de Bibliotheek AanZet. Om te komen tot een te realiseren ontwerp schrijft de gemeente de prijsvraag Huis van Stad en Regio Dordrecht uit onder ontwerpers. De gemeente heeft de intentie om het winnende ontwerp te realiseren en de winnaar van de prijsvraag daarbij gedurende het hele proces te betrekken. De prijsvraag wordt georganiseerd in samenwerking met Architectuur Lokaal en verloopt via **TenderNed**.

Gebiedsontwikkeling
De bouw van het nieuwe Huis van Stad en Regio is een belangrijke schakel in een grotere gebiedsontwikkeling Spuiboulevard en daarmee ook een van de aanjagers daarvan. De beoogde locatie is die van het voormalige belastingkantoor, het driehoekvormige gebouw ernaast en de erachter gelegen parkeergarage Veemarkt. Na de bouw van het nieuwe Huis kan gestart worden met de ontwikkeling van het beoogde woonmilieu ten westen van de Spuiweg en met het herinrichten van de openbare ruimte, conform de Gebiedsvisie Spuiboulevard.

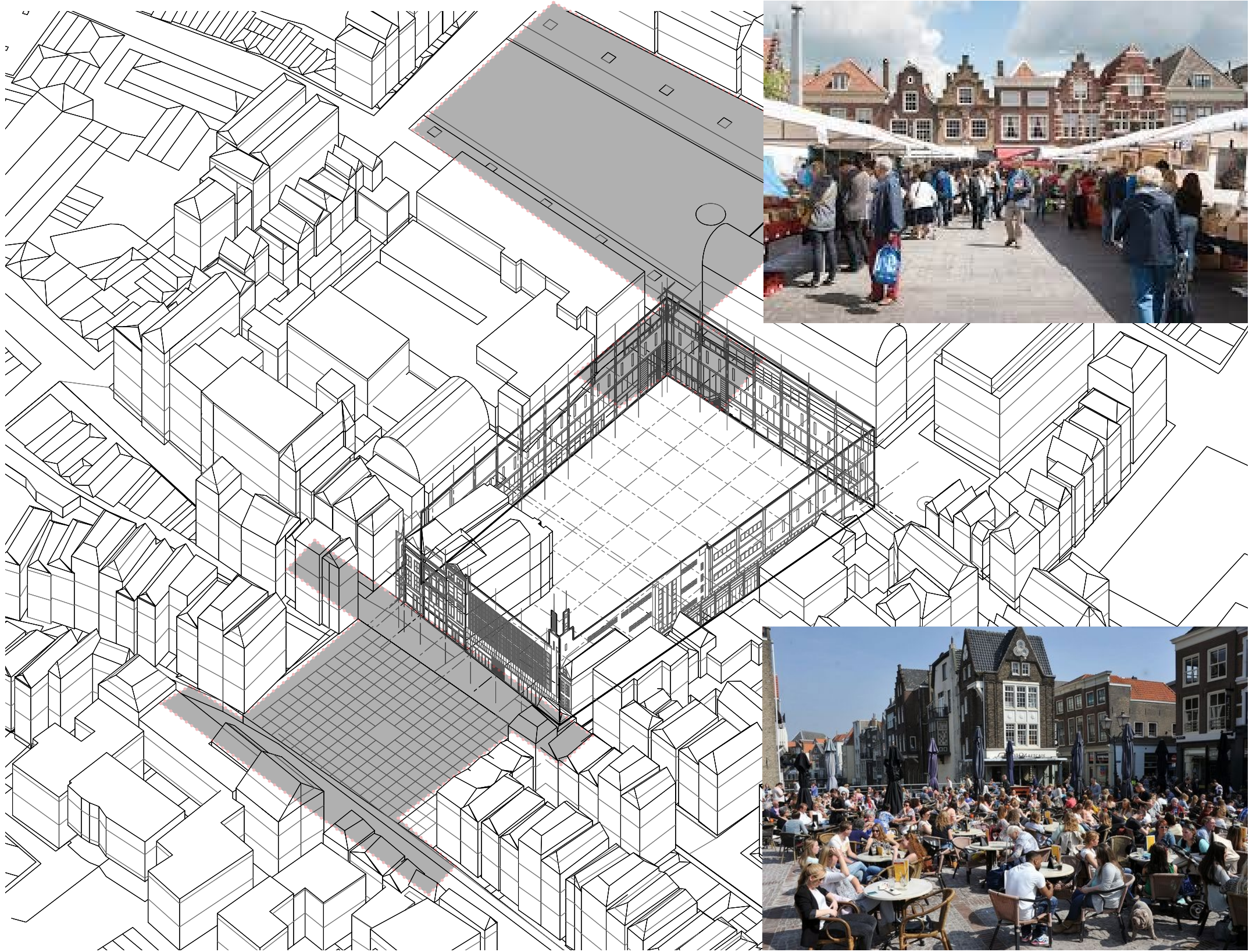
Screenbshot: Dordrecht city house competition, by Archlokaal, 2019

Bridging Social Life - Urban Living Room for Dordrecht

PROGRAMME - What is missing?

Huis van Stad en Regio. (2019). Ambities en Context kaart. MAART 2019. <https://arch-lokaal.nl/wp-content/uploads/2020/09/Bijlage-01-Huis-van-Stad-en-Regio-Ambities-en-Context-maart-2019.pdf>

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

PROGRAMME - How to work with the context?

Oerlemans, A. (2019). Het scheffersplein in dordrecht is straks een echt horecaplein. <https://www.ad.nl/>.

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

Griffiths, A. (2017). Blacksheep bases experiential cooking library in Seoul on European factory interiors. Dezeen.

FOOD LIBRARY

Vacant Heritage - Department Stores V&D's

DORDRECHT

Aging Society
enough aging infrastructure?

Aging Society !!

THE WORLD

Sustainable Development GOALS

what about Dordrecht
? What
Sustainable Goals
we can reach
in Dordrecht

Prijsvraag Huis van Stad en Regio Dordrecht

medwedstrijd | 24 april 2019

Het Stads Kantoor van de gemeente Dordrecht voldoet niet meer aan de huidige eisen en zeker niet aan de eisen van de toekomst. Daarom maakt het Stads Kantoor plaats voor woningbouw en verhuist meer naar het oosten van de grotere gebiedsontwikkeling Spuiboulevard. Hierdoor ontstaat voor de binnenstad als voor een Stad en Regio. Dit nieuwe Huis, en de Drechtsteden, Dordrecht Marketing/VVV en de Bibliotheek AanZet. Om te komen tot een te realiseren ontwerp schrijft de gemeente de prijsvraag Huis van Dordrecht uit onder ontwerpers. De gemeente heeft de intentie om het winnende ontwerp te realiseren. De prijsvraag wordt gewonnen door de inzending met Architectuur Lokaal en verloop.

ask for New City Hall
in need of cultural centre & meeting space

Almost everyone and everything online

Life without internet is barely online. Apart from emailing, for other things such as text messaging, practically all people in the Netherlands in 2018, over 66 percent access it.

ONLINE as Social trend:
few Social Interaction
new library needed

Mecanoo get started with development of Spoorzone Dordrecht

16.04.2020 - PROJECT UPDATES

Mecanoo led by Francine Houben is commissioning development vision for the Spoorzone (railway development areas Maasterras, Spuiboulevard, Learning Park) and Health Park. The overarching coherence in the development of these areas, healthy living environment for existing and new

100 million housing

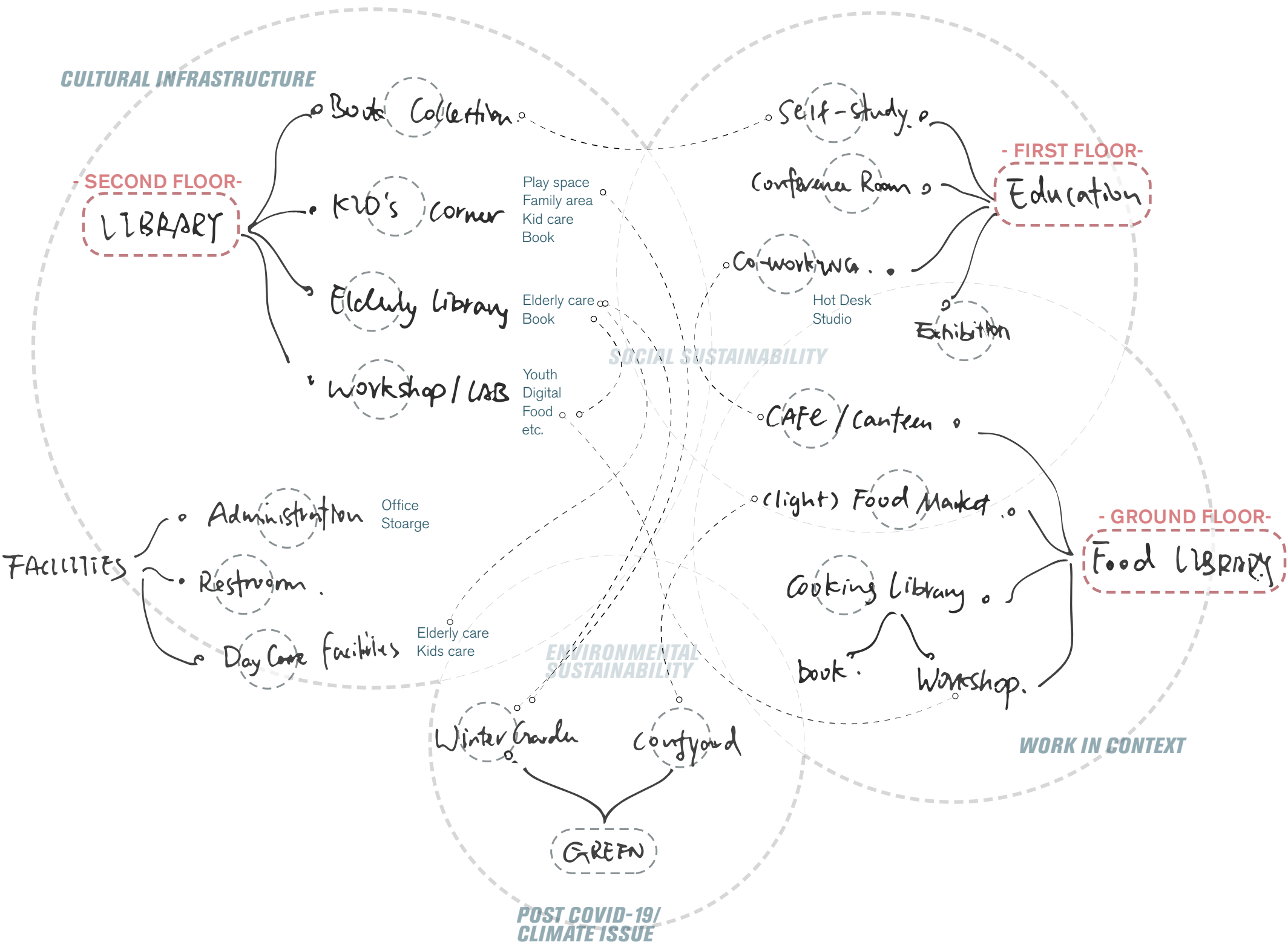
more Housing around
new role of inner city centre?

Post-COVID architecture

ventilation
sunlight
green space
flexibility
transitional space
etc.

Bridging Social Life - Urban Living Room for Dordrecht

PROGRAMME - Integrate with social trend



Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

PROGRAMME DESIGN

Vacant Heritage - Department Stores V&D's

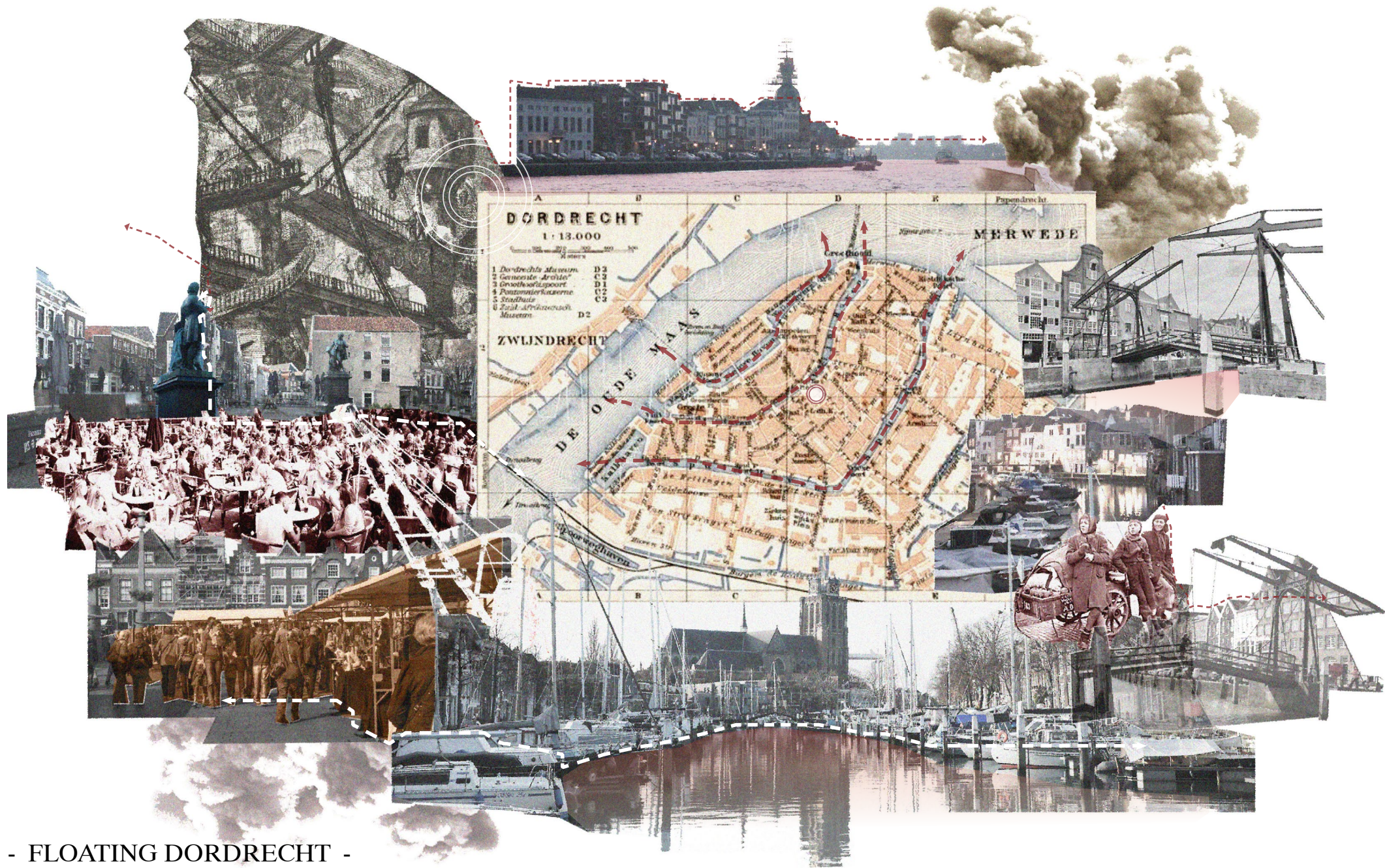


Bridging Social Life - Urban Living Room for Dordrecht

CHAPTER 3.

— **DESIGN PROPOSAL** —
scenario/spatial feeling/material/detail

Vacant Heritage - Department Stores V&D's

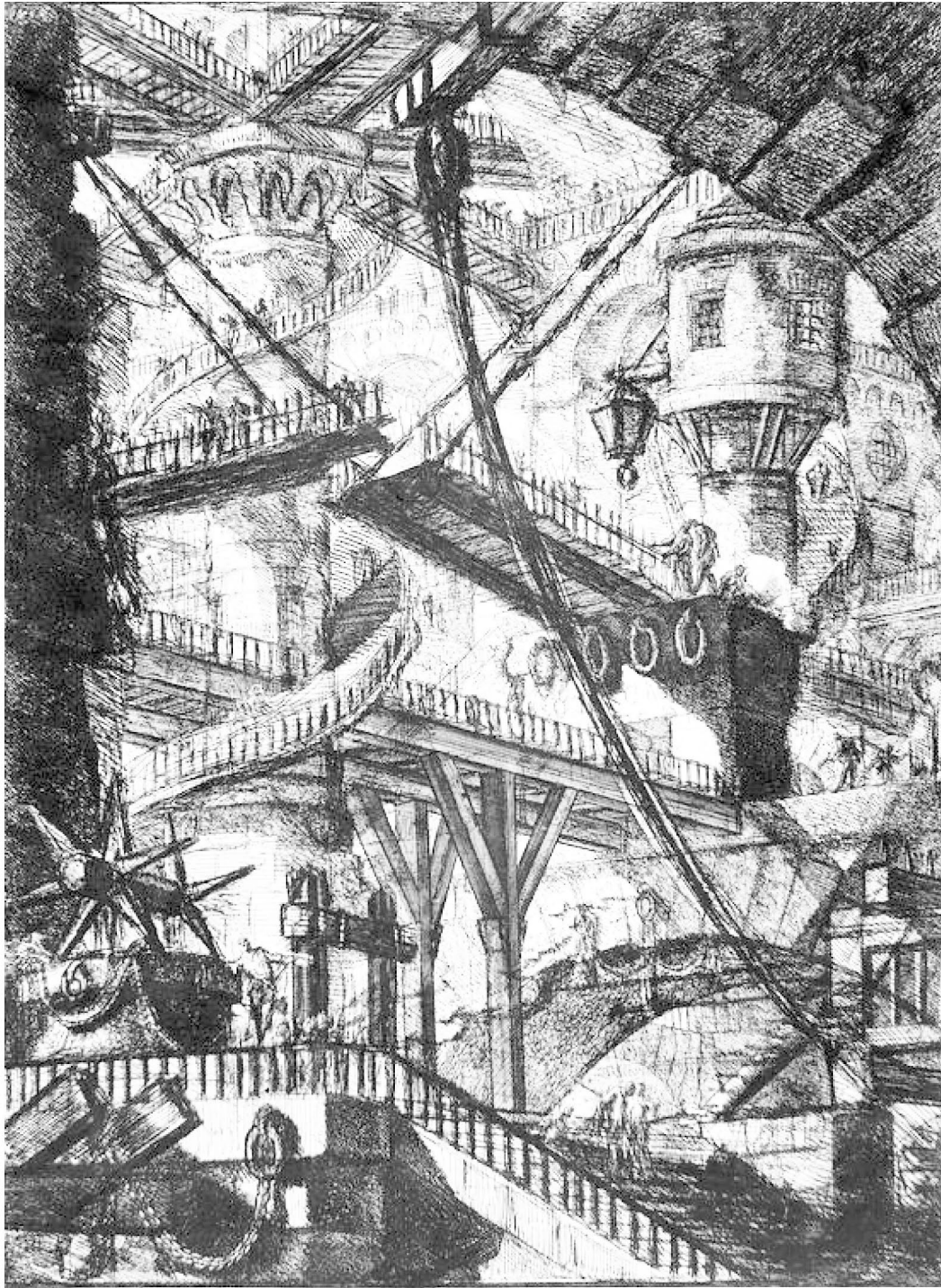


- FLOATING DORDRECHT -

Collage: City of Bridge and Canal,
diagram by author, based on own photography and online images from Google

Bridging Social Life - Urban Living Room for Dordrecht

DESIGN INSPIRATION



Drawing: The drawbridge, w550 x h406 mm, (Piranesi, 1761), Museum Boijmans Van Beuningen, Rotterdam

City is a House and House is a City: 'the village hall must be more like an open square than a building'
--- Aldo Van Eyck

Chapter 9

City Is House and House Is City
Aldo van Eyck, Piet Blom and the Architecture of Homecoming

Karin Jaschke

At the heart of modern architecture lies a concern with the relationship between interior and exterior space. The 'bourgeois interior' that Walter Benjamin described so succinctly as a claustrophobic retreat from the dynamic, modernizing city became one of the negative references against which concepts of modern living space were developed in the early twentieth century.¹ Architects set out to design a new type of domestic interior, filled with 'light, air, and sun', open and in touch with the outside world. However, this outside world was not the city. Rather, it was 'nature' in various guises, ranging from the wilderness outside Frank Lloyd Wright's *Prairie Houses*, to the fields of Ebenezer Howard's *Garden City*, to the lawns stretching beneath Le Corbusier's *Ville Contemporaine*. By and large, modernist architects and planners bypassed the issue of the individual dwelling's relation to public space as a place of civic encounter, exchange and spectacle.²

The failure of early modern architecture to address the 'domestic' in relation to the 'metropolitan' is connected to the disciplinary and, to some extent, professional separation of urban and architectural planning. Although in practice this split was never absolute, and despite the fact that the meetings

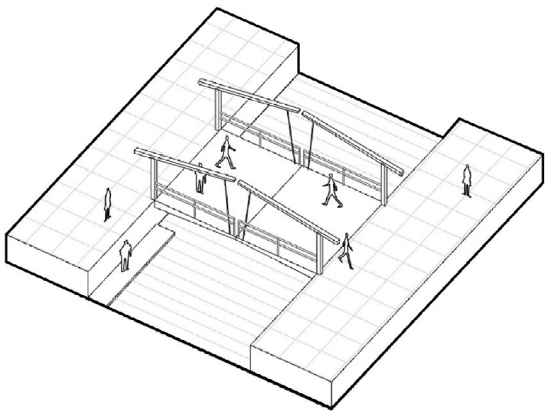
SPATIAL CONCEPT

Jaschke, K., (2008). City Is House and House Is City. In: V. Palma, D. Periton and M. Lathouri, ed., Intimate Metropolis, 1st ed. London: Routledge, pp.175-194.
Giovanni Battista Piranesi, (1761). The drawbridge, Museum Boijmans Van Beuningen, Rotterdam

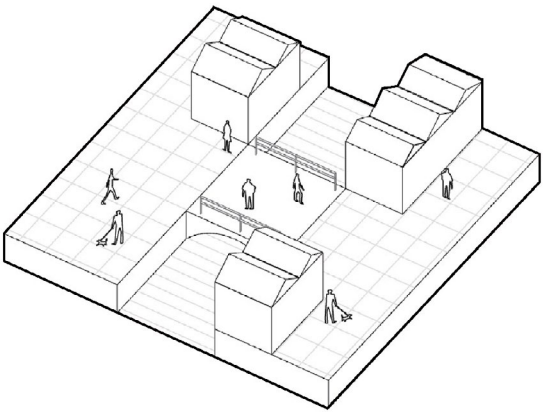
Vacant Heritage - Department Stores V&D's



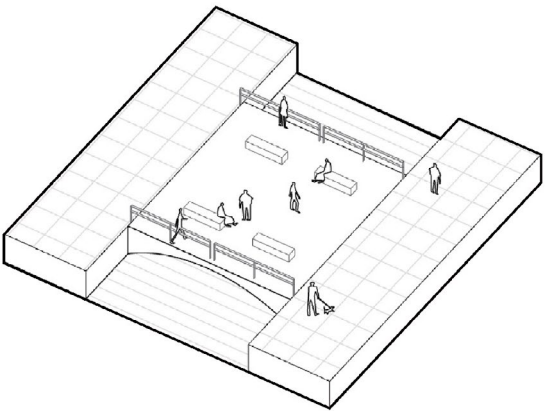
Photos: Bridges in Dordrecht, photos 1&2 from online, 3&4 taken by author , 2020



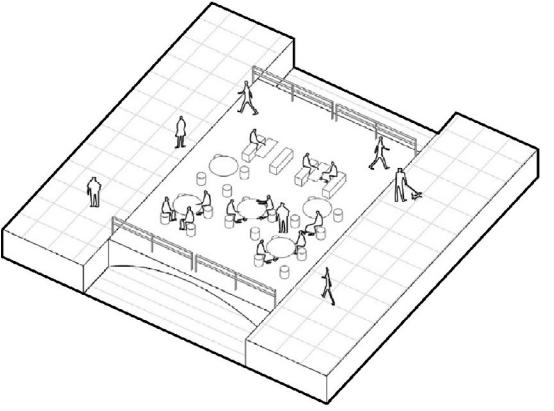
Sightseeing



Circulation



Leisure



Food Plaza

Illustration: Lifes on bridges in Dordrecht, by author, 2020

Bridging Social Life - Urban Living Room for Dordrecht

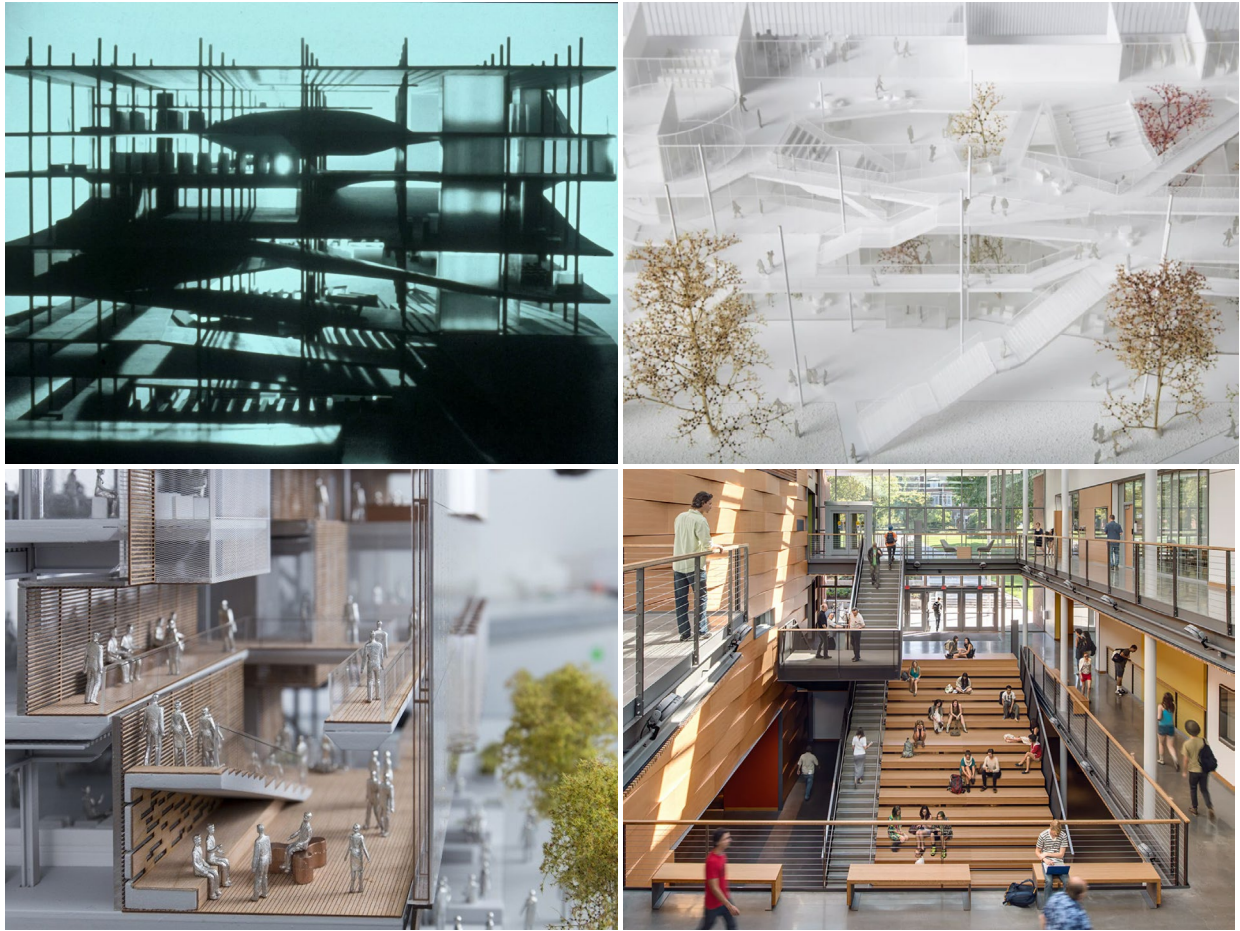
TRANSLATE BRIDGE TO ARCHITECTURAL SPACE

Vacant Heritage - Department Stores V&D's



SAME SPATIAL FEELING

||



Bridging Social Life - Urban Living Room for Dordrecht

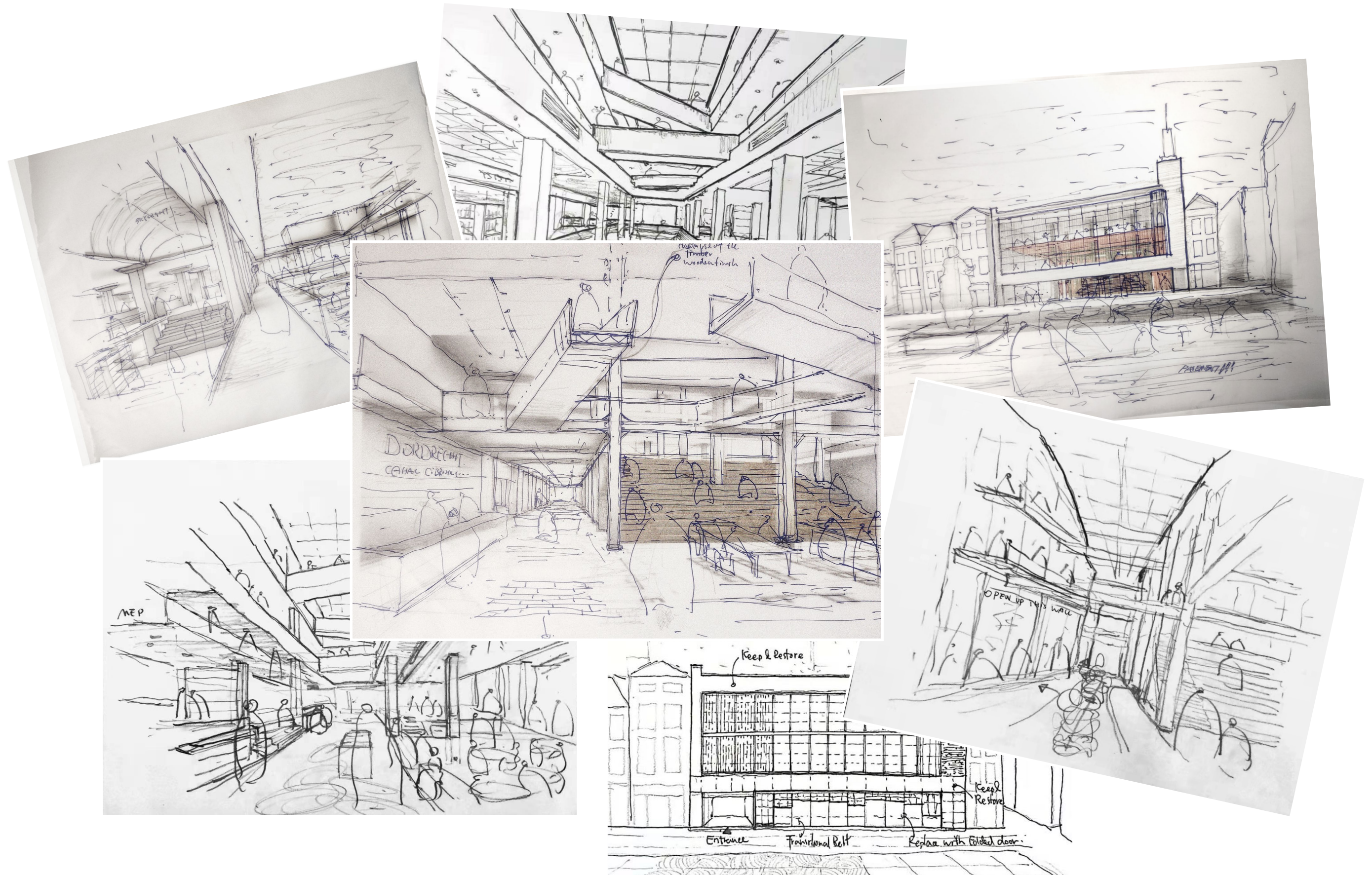
Projects:

- 1. Jussieu Library, OMA
- 2. Ecole Polytechnique Learning Centre, Sou Fujimoto Architects
- 3. Uber headquarter, ShOp Architects
- 4. Reed College Performing Arts Building, Opsi Architecture

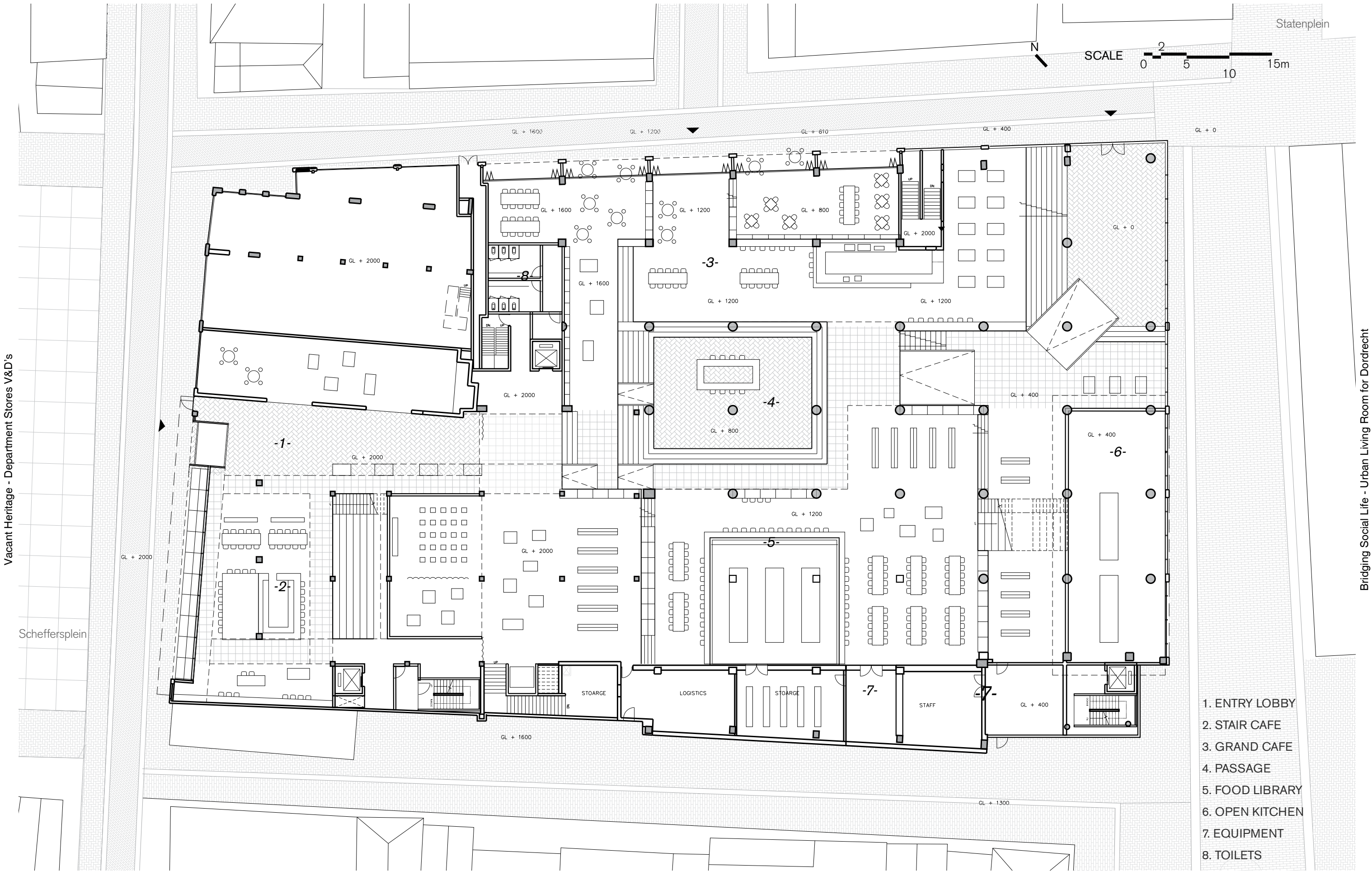
TRANSLATE BRIDGE TO ARCHITECTURAL SPACE

Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht



- DESIGN OVERVIEW -



Vacant Heritage - Department Stores V&D's

Scheffersplein

Statenplein

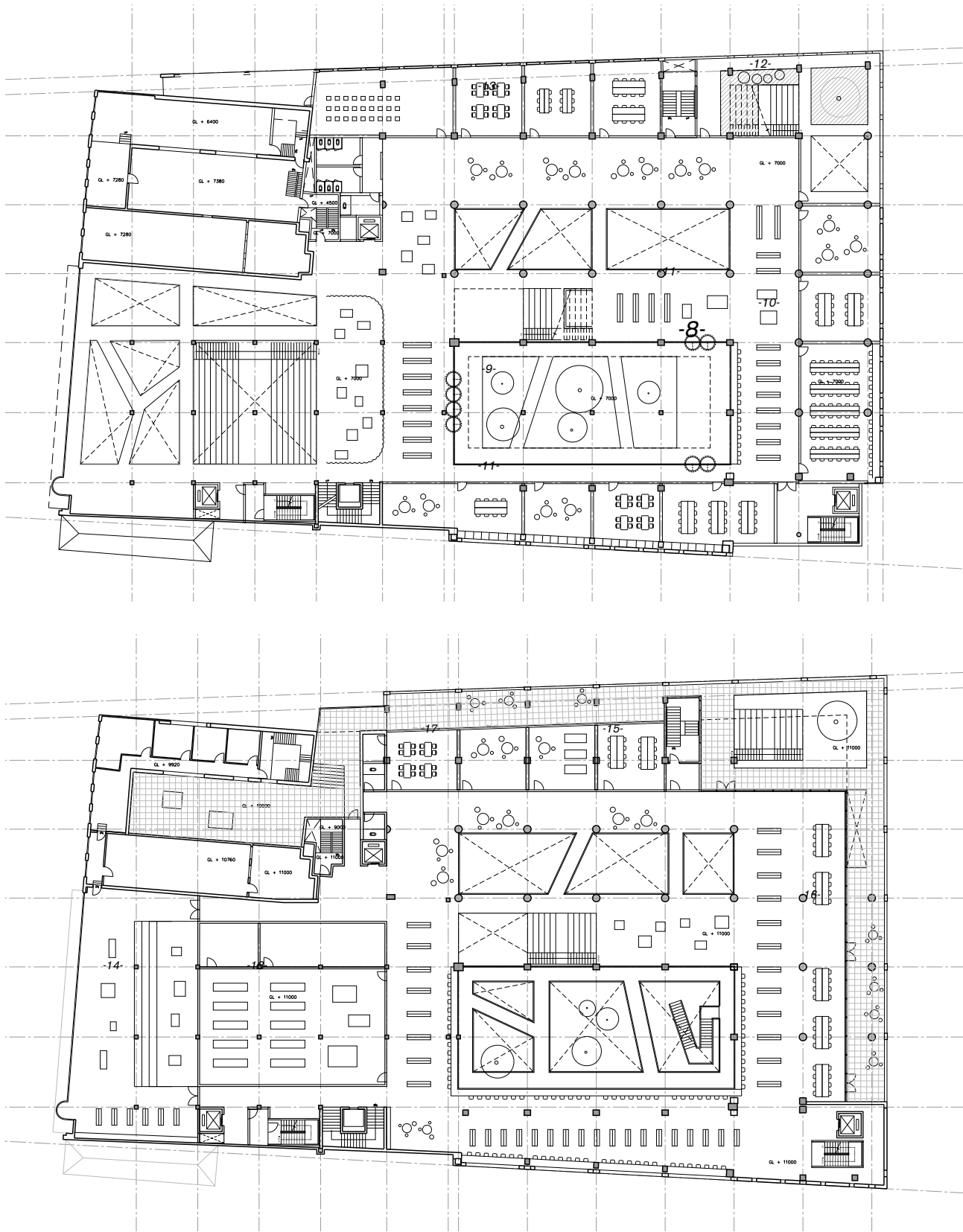
SCALE 0 2 5 10 15m

- GROUND FLOOR -

- 1. ENTRY LOBBY
- 2. STAIR CAFE
- 3. GRAND CAFE
- 4. PASSAGE
- 5. FOOD LIBRARY
- 6. OPEN KITCHEN
- 7. EQUIPMENT
- 8. TOILETS

Bridging Social Life - Urban Living Room for Dordrecht

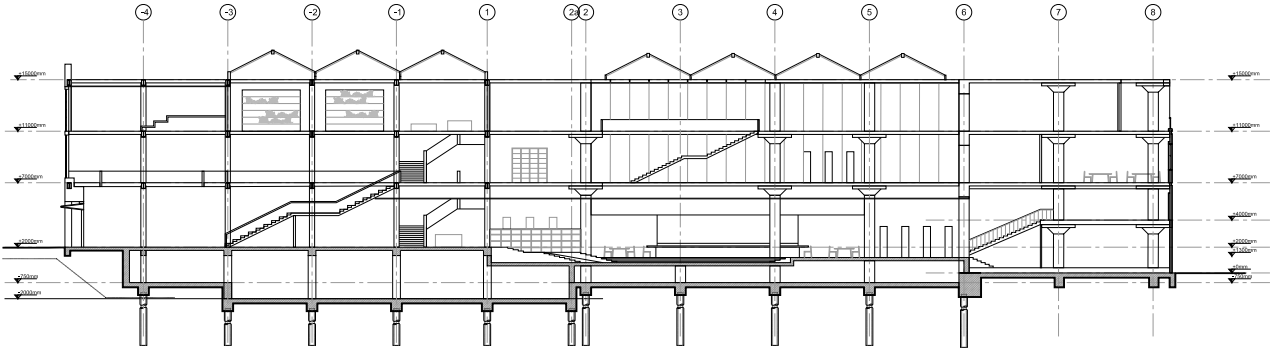
Vacant Heritage - Department Stores V&D's



SCALE 0 2 5 10 15m

- 9. GREEN COURTYARD
- 10. BOOK COLLECTION
- 11. SELF-STUDY
- 12. OUTDOOR GARDEN
- 13. WORKSHOP & LABS
- 14. KIDS' AREA
- 15. ELDERLY CARE
- 16. BOOK & STUDY
- 17. ADMINISTRATION
- 18. URBAN FARM

Bridging Social Life - Urban Living Room for Dordrecht



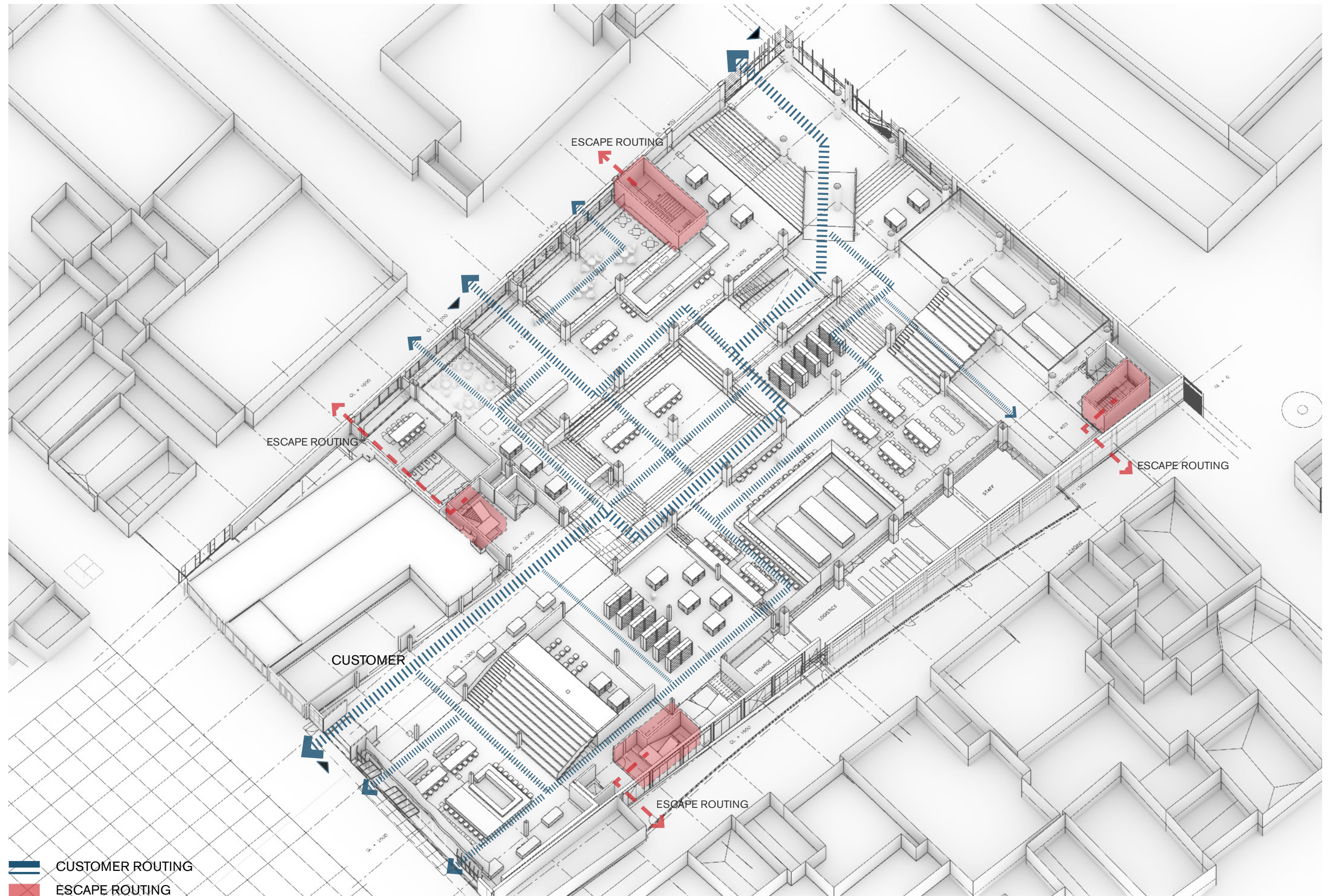
- OVERVIEW OF LAYOUT -

Vacant Heritage - Department Stores V&D's



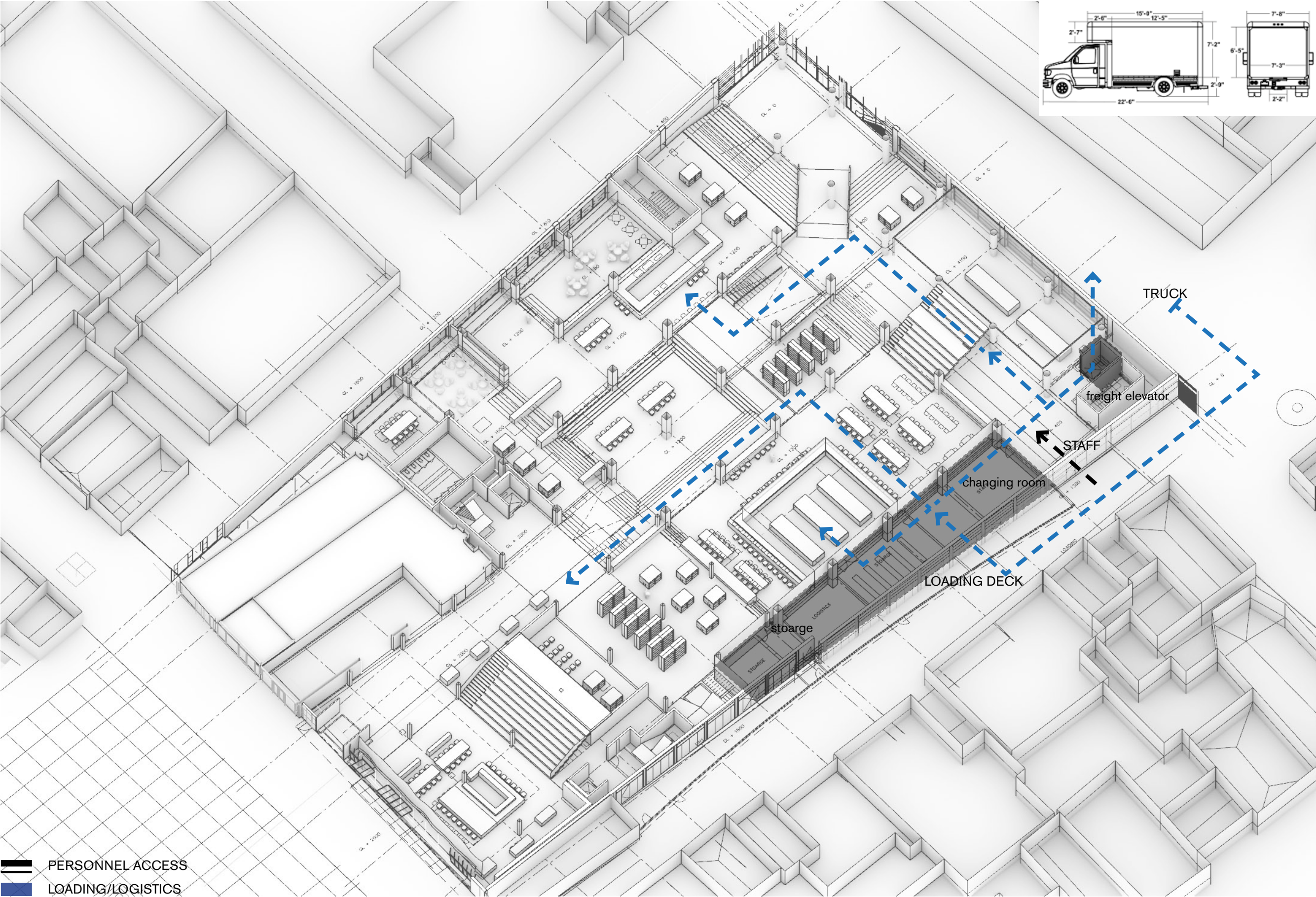
ABUNDANT HEIGHT DIFFERENCE

Bridging Social Life - Urban Living Room for Dordrecht



ROUTING FOR THE CUSTOMERS

Vacant Heritage - Department Stores V&D's



ROUTING FOR PERSONNEL

Moving Van. (2021). [Illustration]. Handymanrentalsonline. <http://www.handymanrentalsonline.com/Page/15-FOOT-TRUCK.aspx>

Vacant Heritage - Department Stores V&D's



Photo: Big fire in 1931, from the historical report of Voorstraat 258(NIPIDES, 2020)



Photo: Bolted steel structure, from the historical report of Voorstraat 258(NIPIDES, 2020)



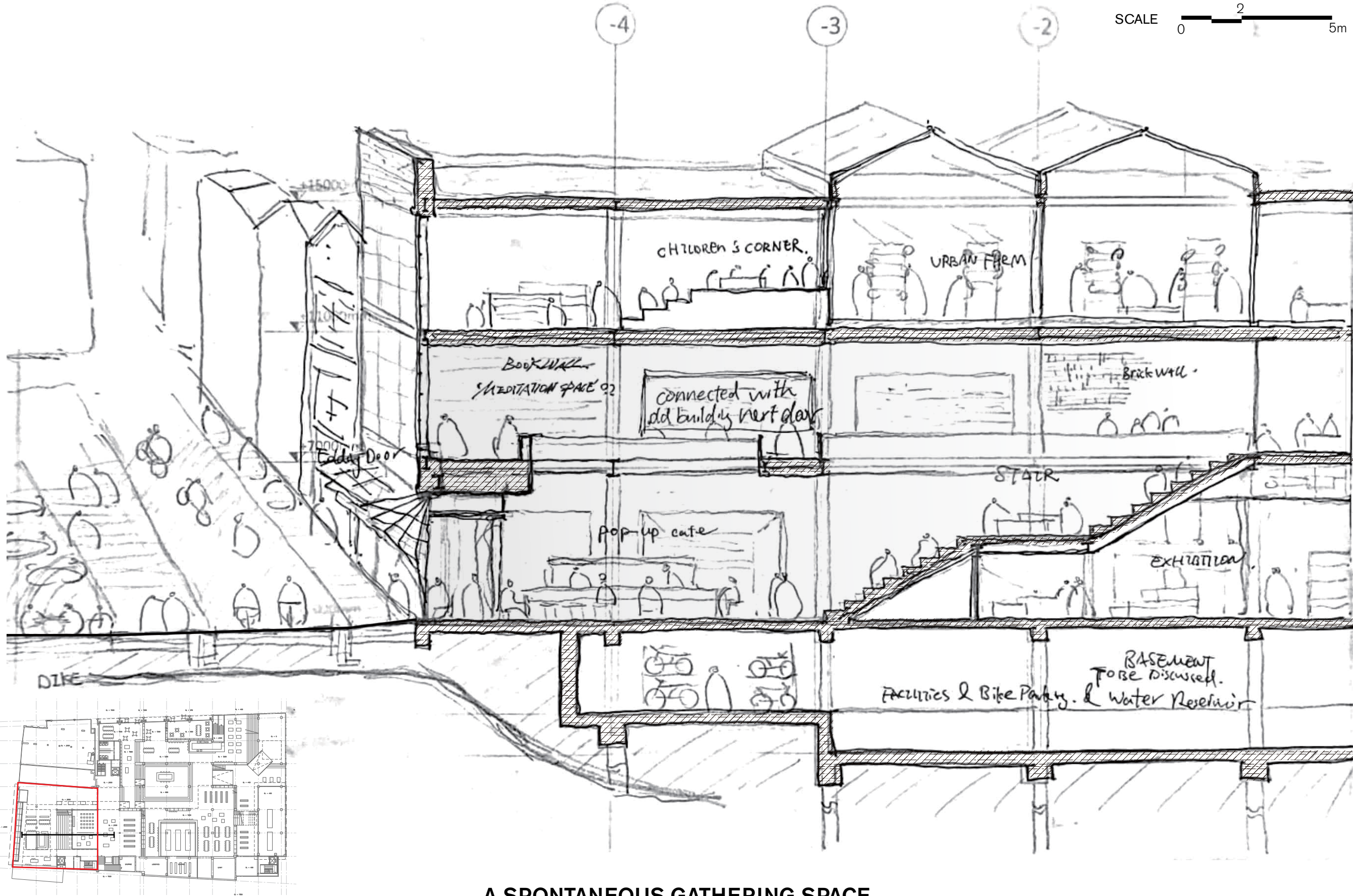
Photo: SchefferPlain, Het scheffersplein in dordrecht is straks een echt horecaplein (ADNL, 2010)

Bridging Social Life - Urban Living Room for Dordrecht

- ENTRANCE LOBBY -

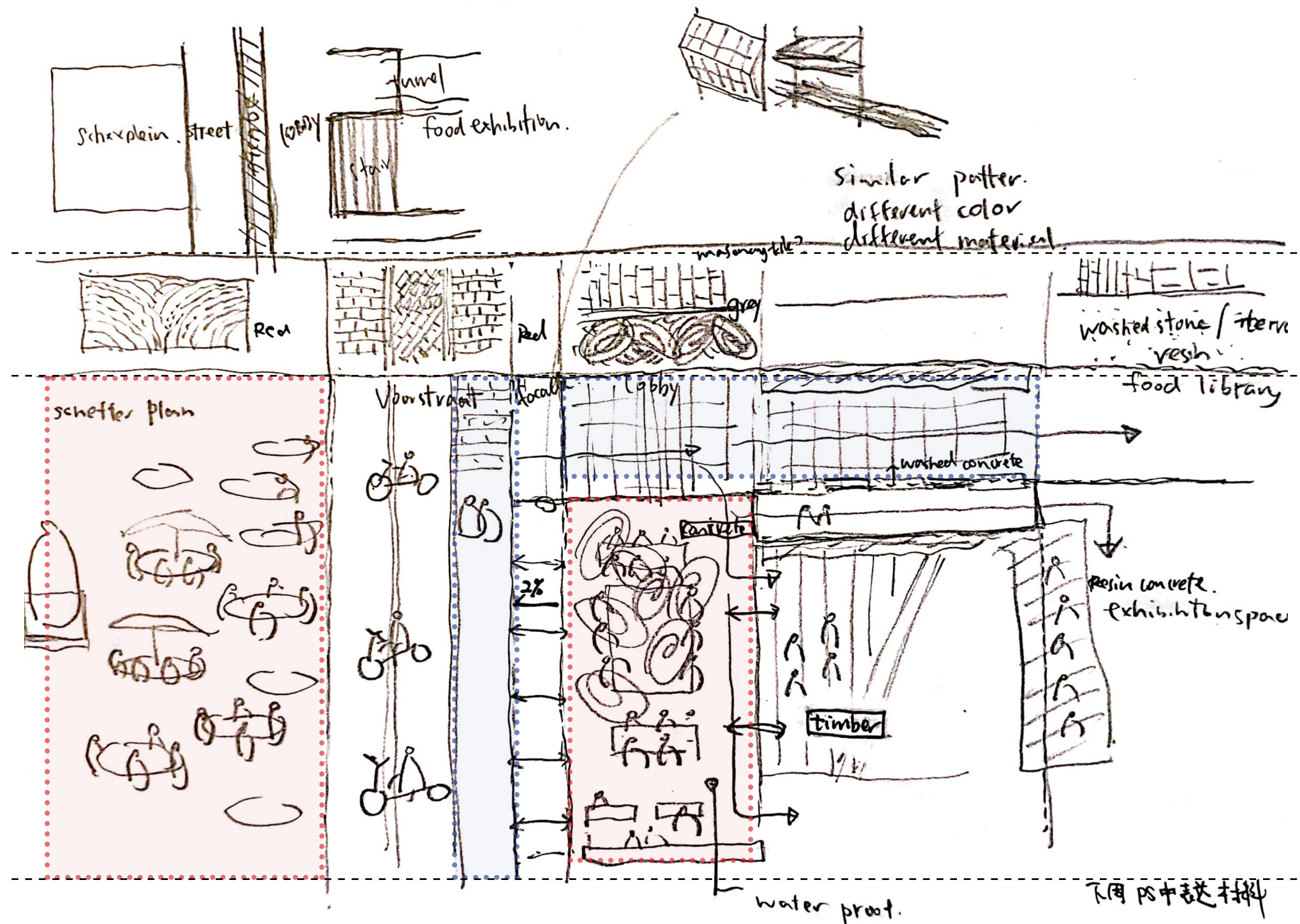
Dordrecht Archive, (2020). *Vroom&Dreesmann Dordrecht*. [Scanned Files] Architectural Drawing. Dordrecht
Oerlemans, A. (2019). Het scheffersplein in dordrecht is straks een echt horecaplein. <https://www.ad.nl/>.

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

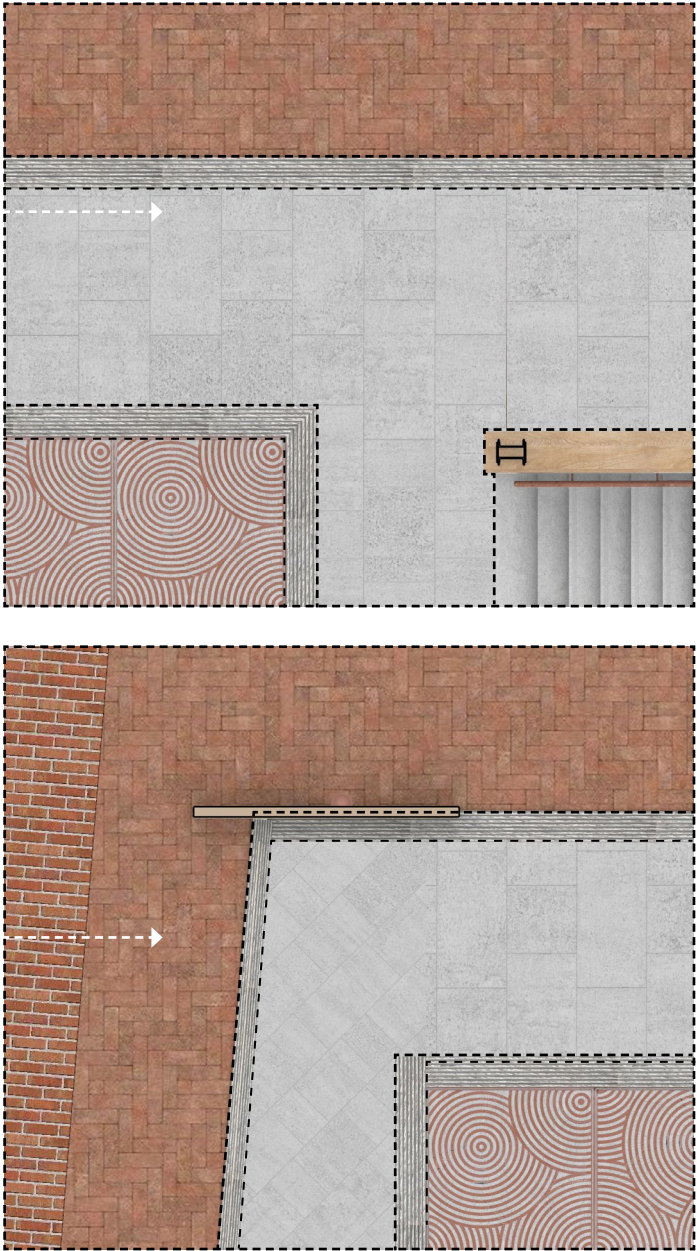
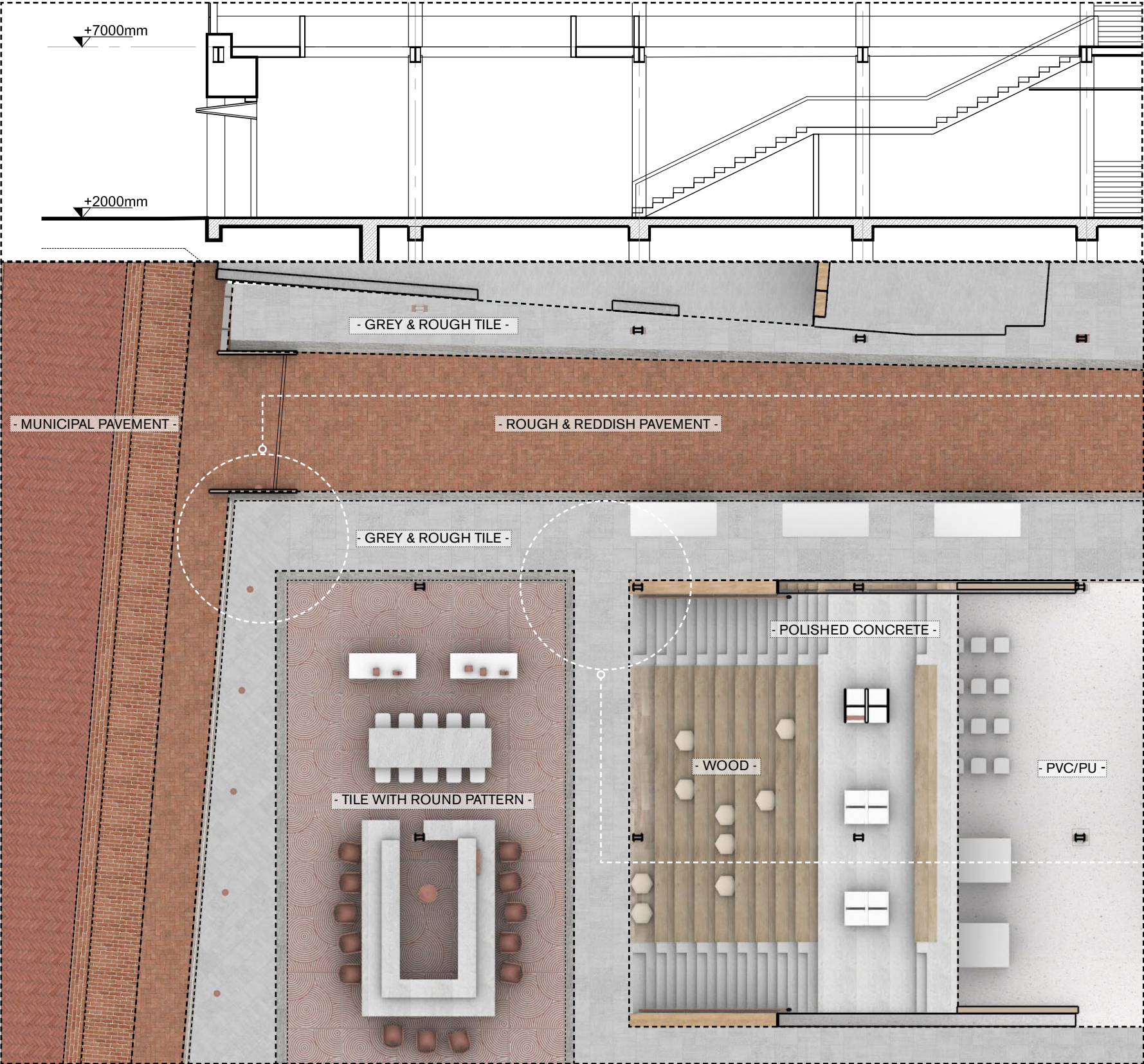
A SPONTANEOUS GATHERING SPACE



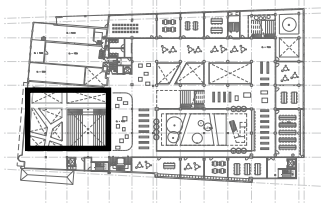
an extension from street / inherit the geometry of municipality's standard pavement related the pattern with activities and privacy / indicate the boundaries between different zones

PAVEMENT MATERIAL STRATEGY

Vacant Heritage - Department Stores V&D's



heavy traffic -- red & smooth / medium traffic)--light & rough / light traffic-- light & smooth



Bridging Social Life - Urban Living Room for Dordrecht

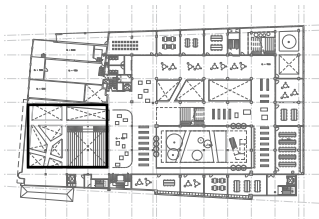
PAVEMENT MATERIAL STRATEGY

Vacant Heritage - Department Stores V&D's

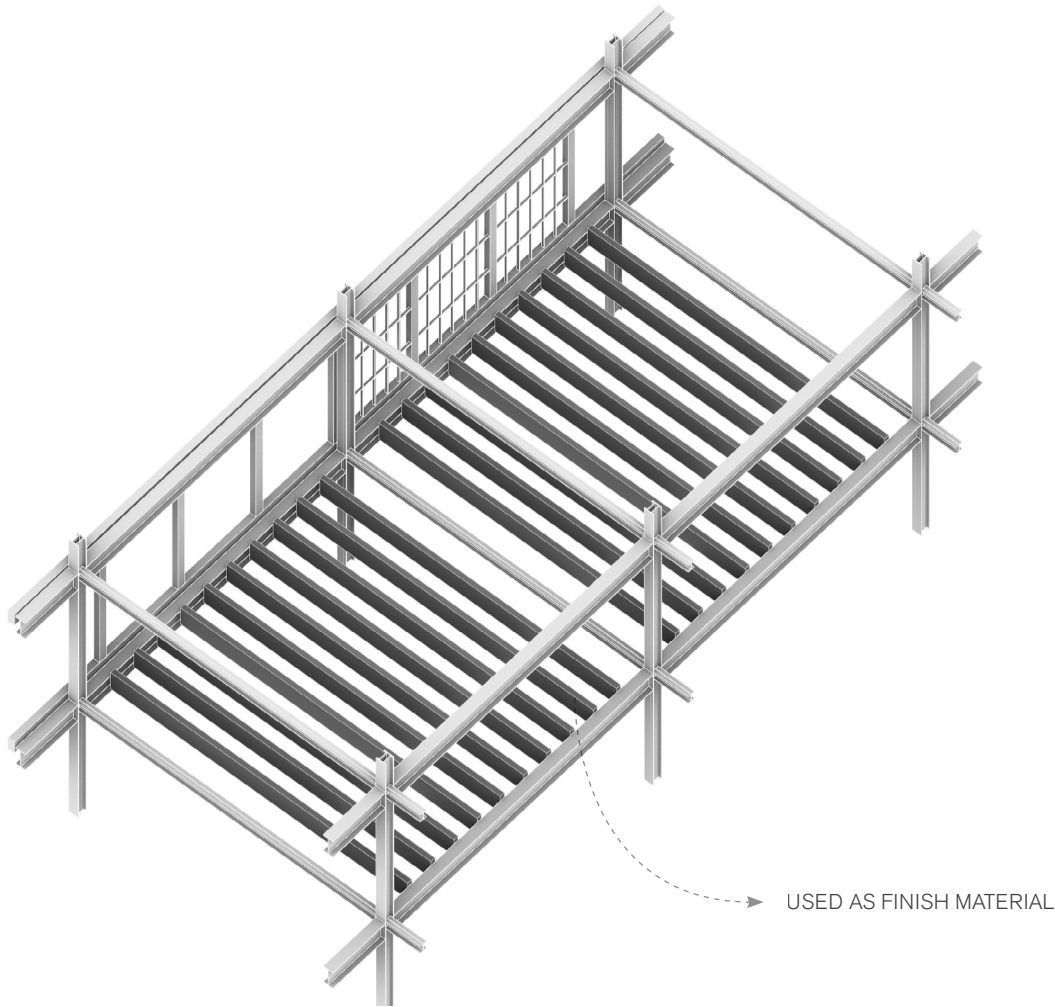


Bridging Social Life - Urban Living Room for Dordrecht

ENTRANCE LOBBY



REMOVED STRUCTURE
NEW ADDED STRUCTURE



BEFORE

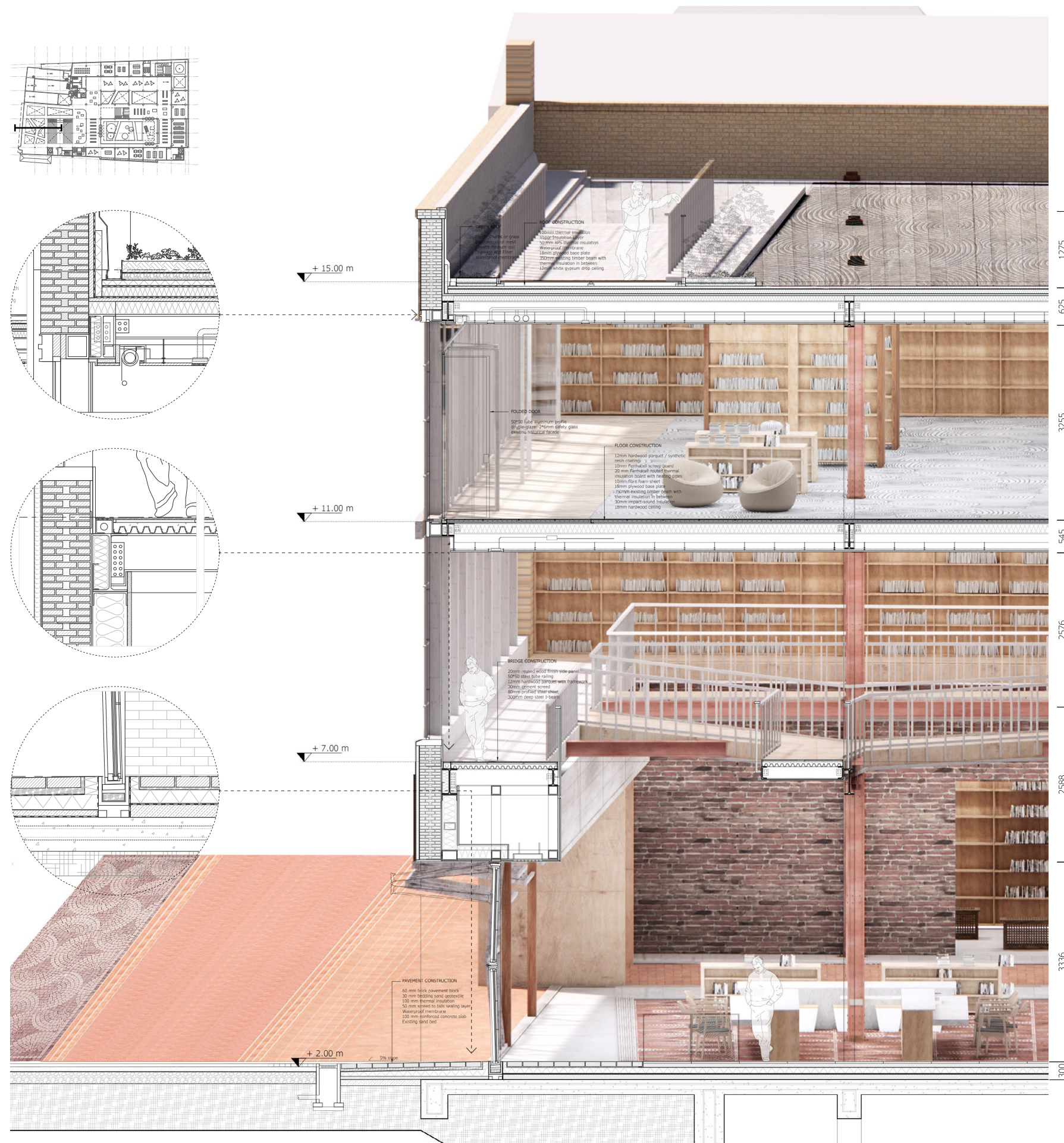


AFTER

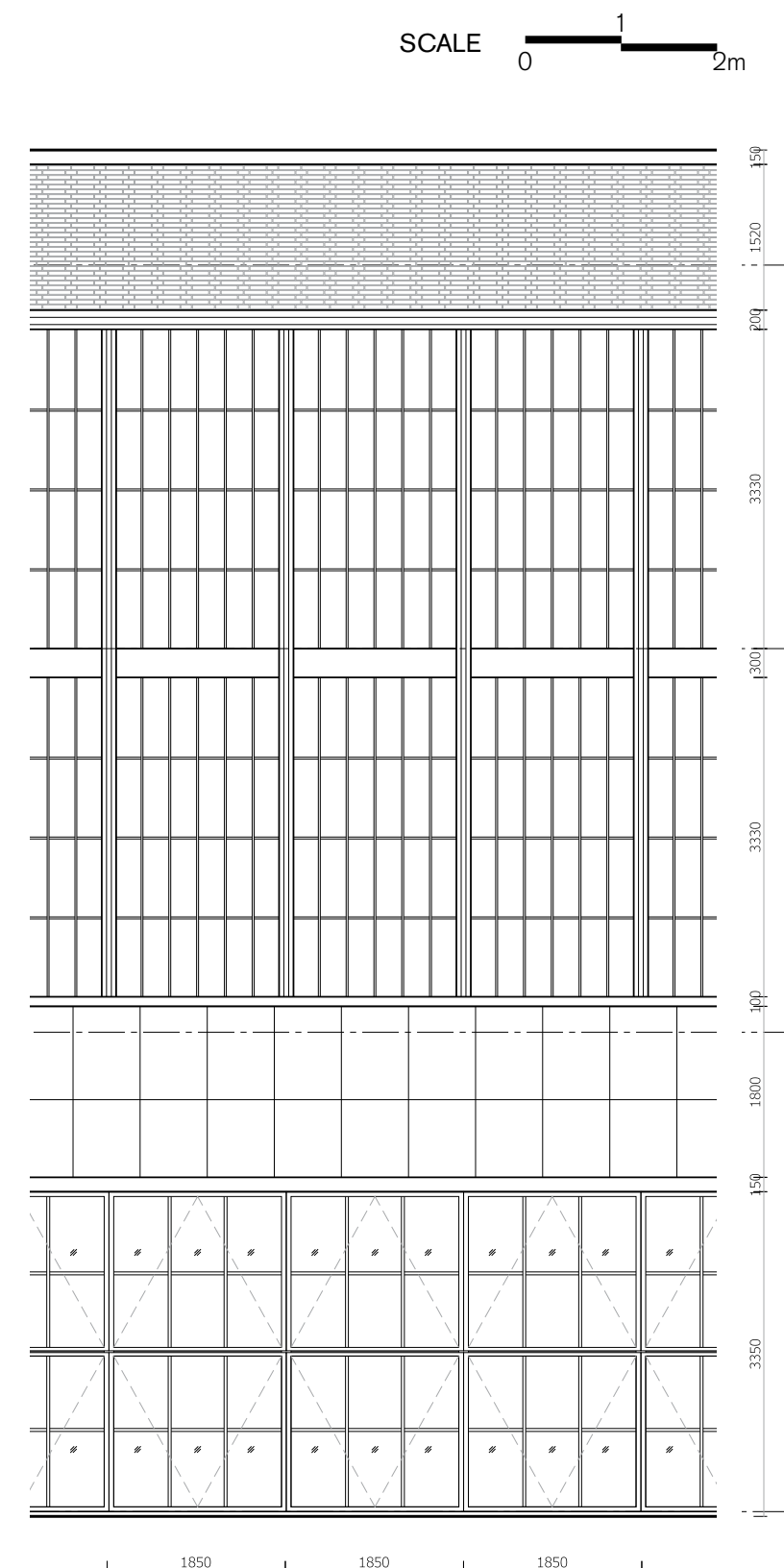
STRUCTURAL INTERVENTION

Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht



DETAIL PERSPECTIVE



Bridging Social Life - Urban Living Room for Dordrecht

Vacant Heritage - Department Stores V&D's

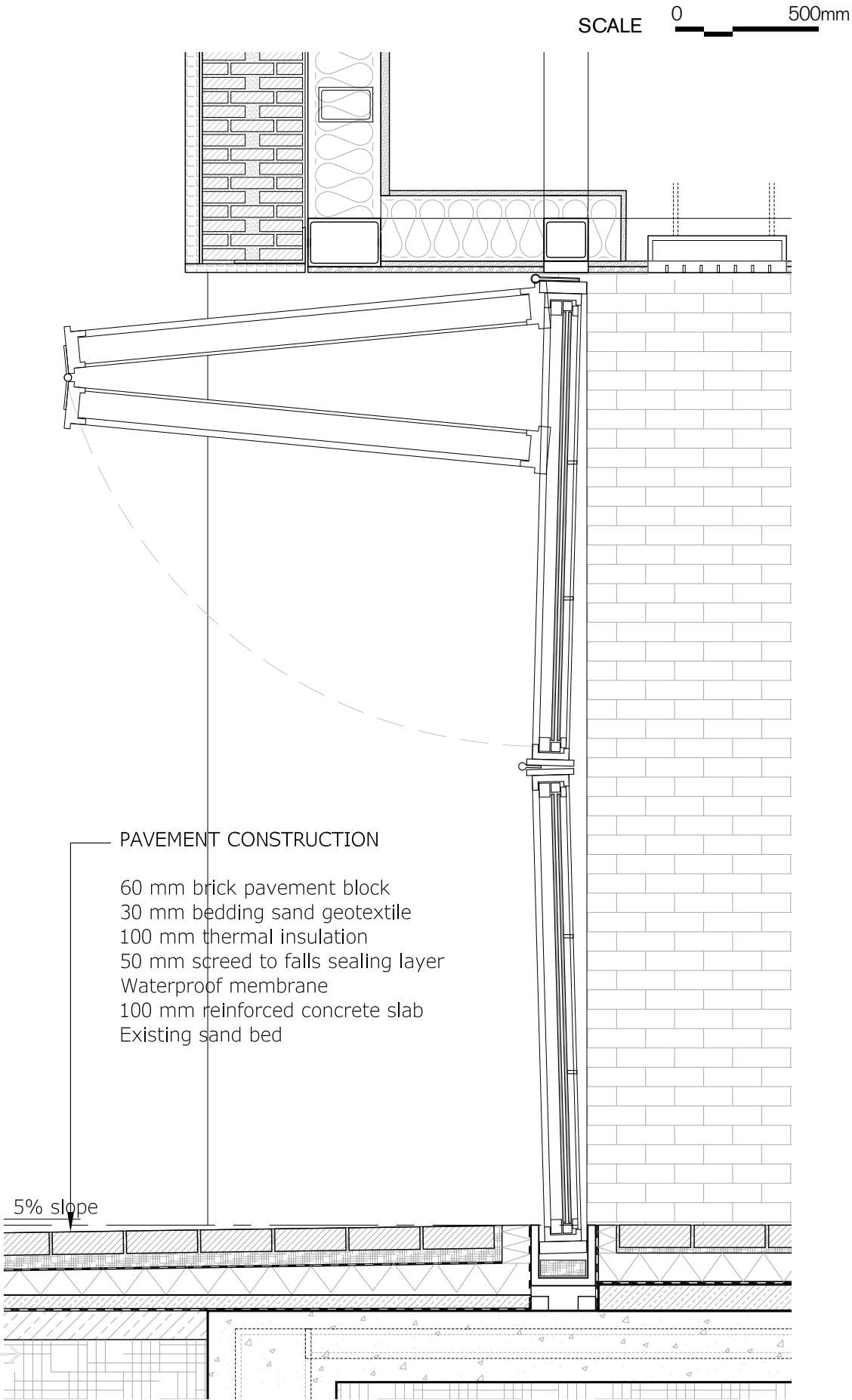
PRESERVE & RESTORE

RESTORE & RENOVATE

INTERVENTION & REDESIGN



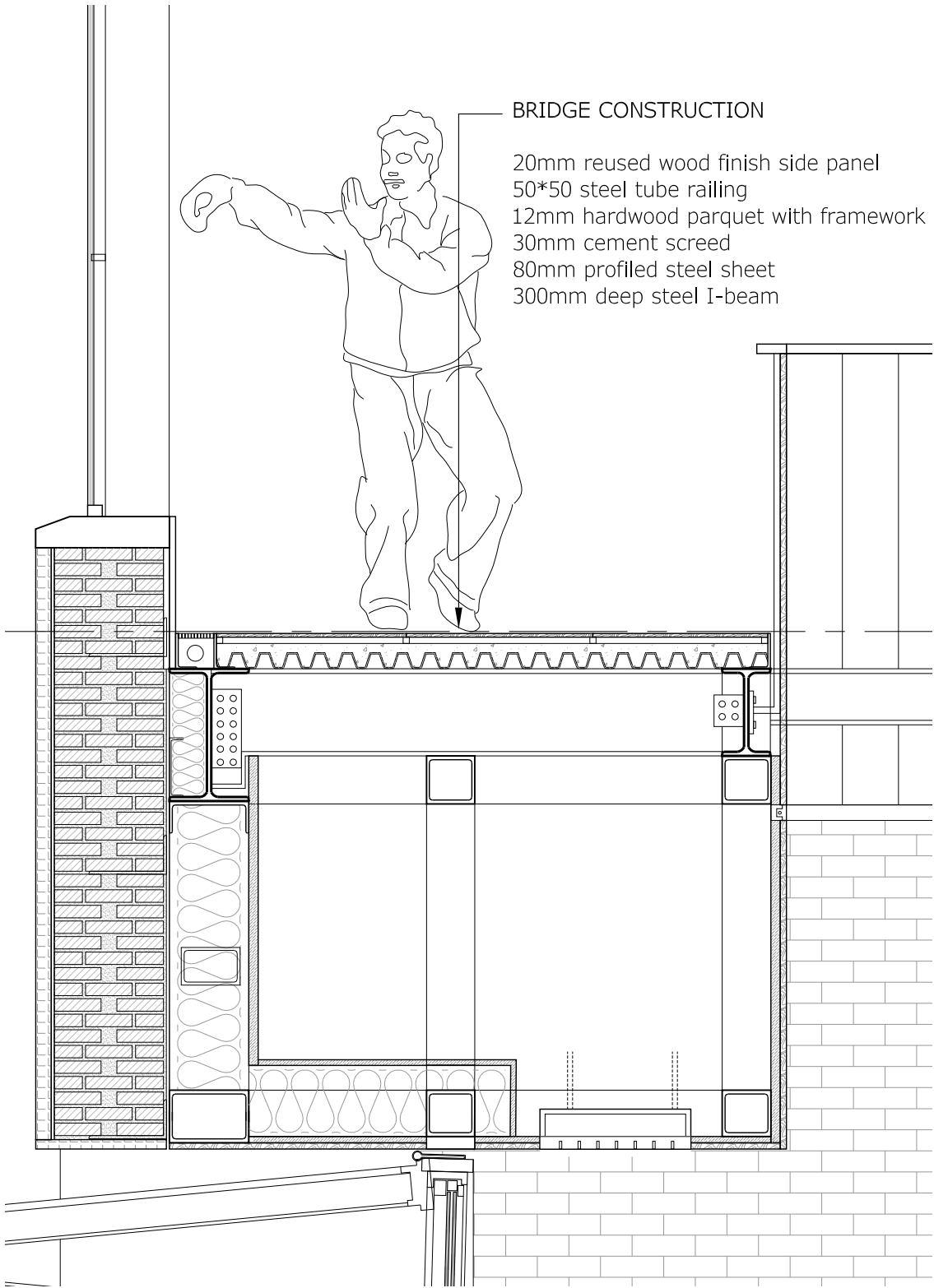
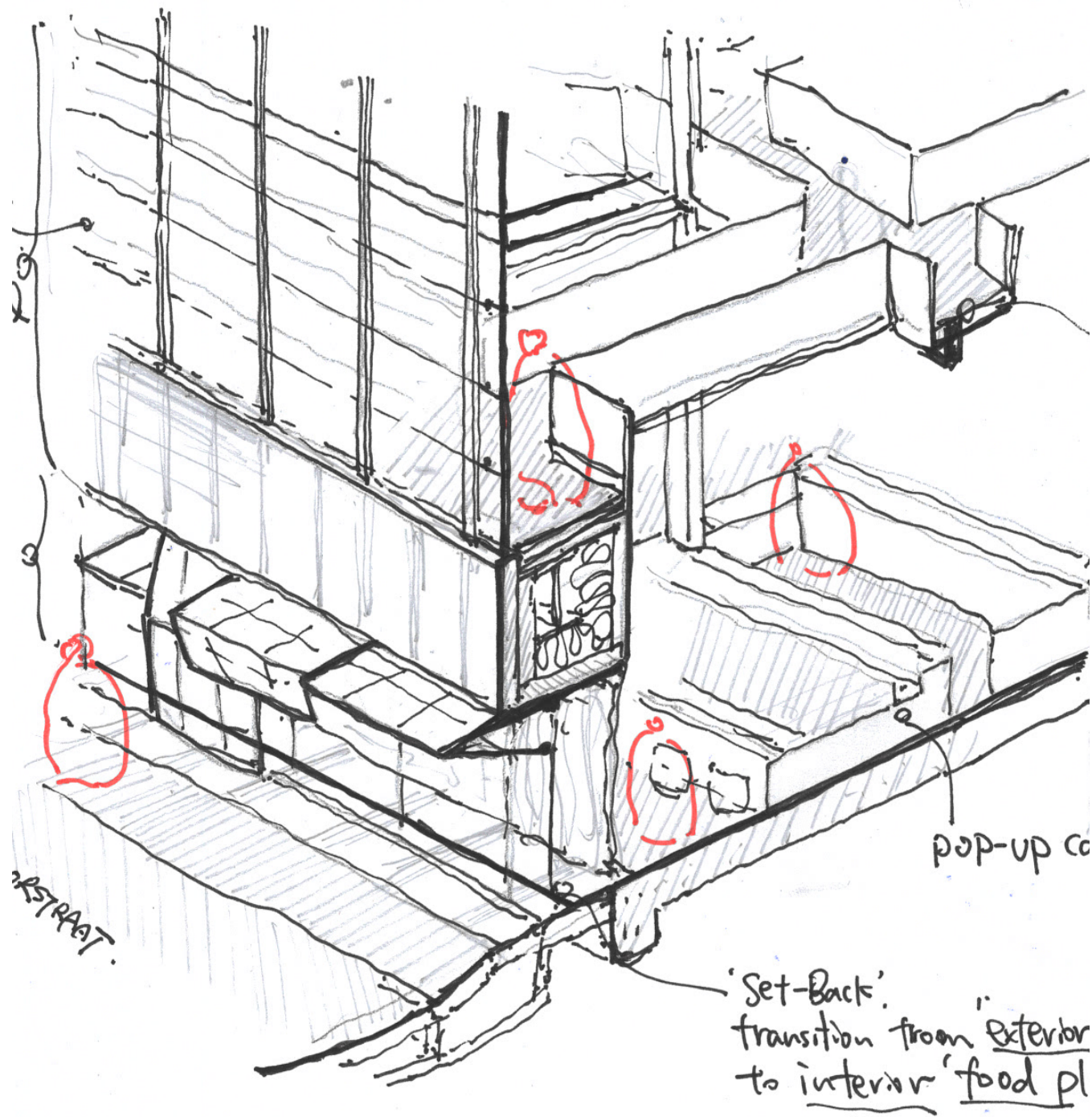
OPEN PLINTH



Bridging Social Life - Urban Living Room for Dordrecht

SCALE 0 500mm

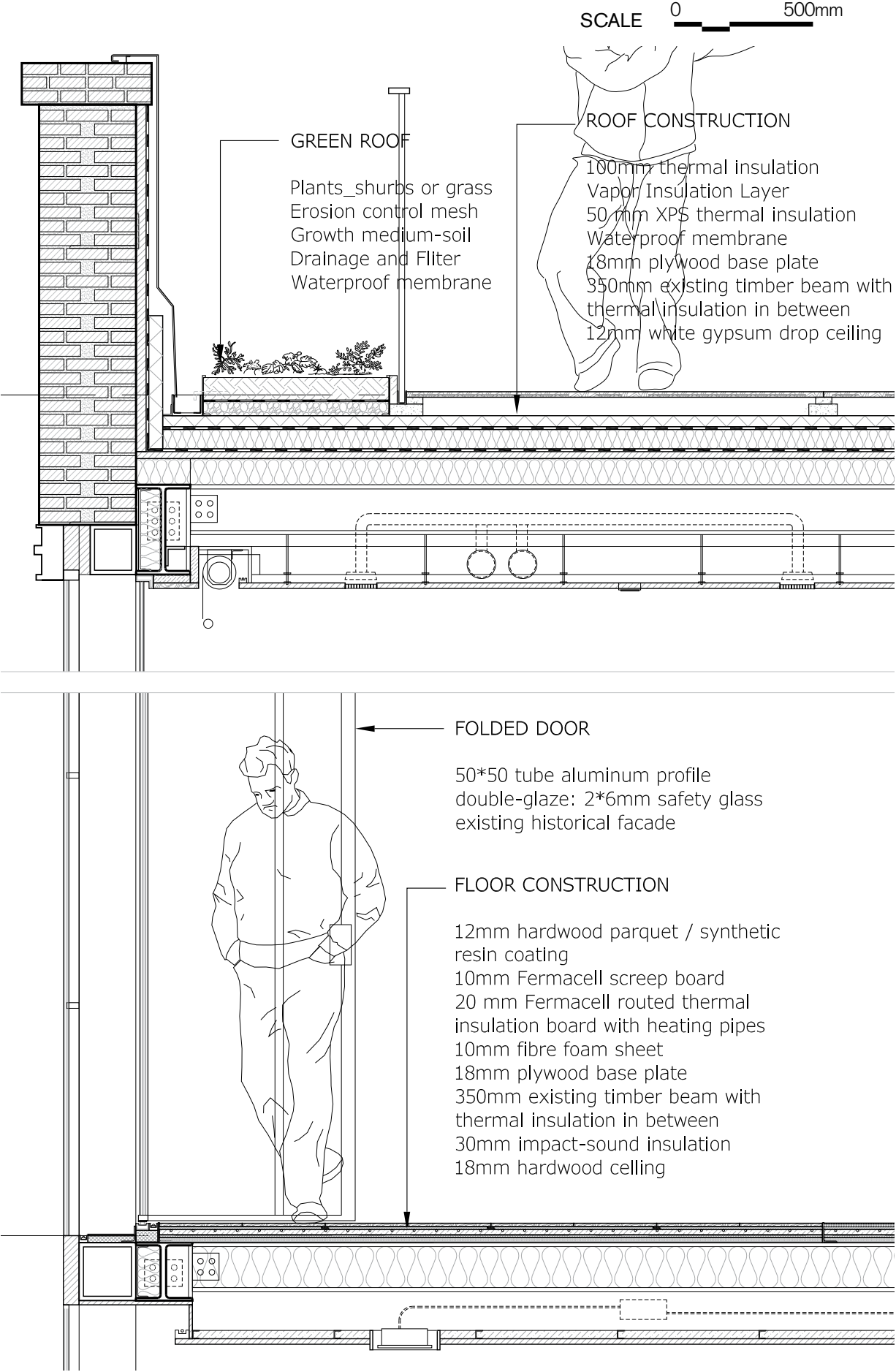
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

TOUCH & FEEL THE FACADE

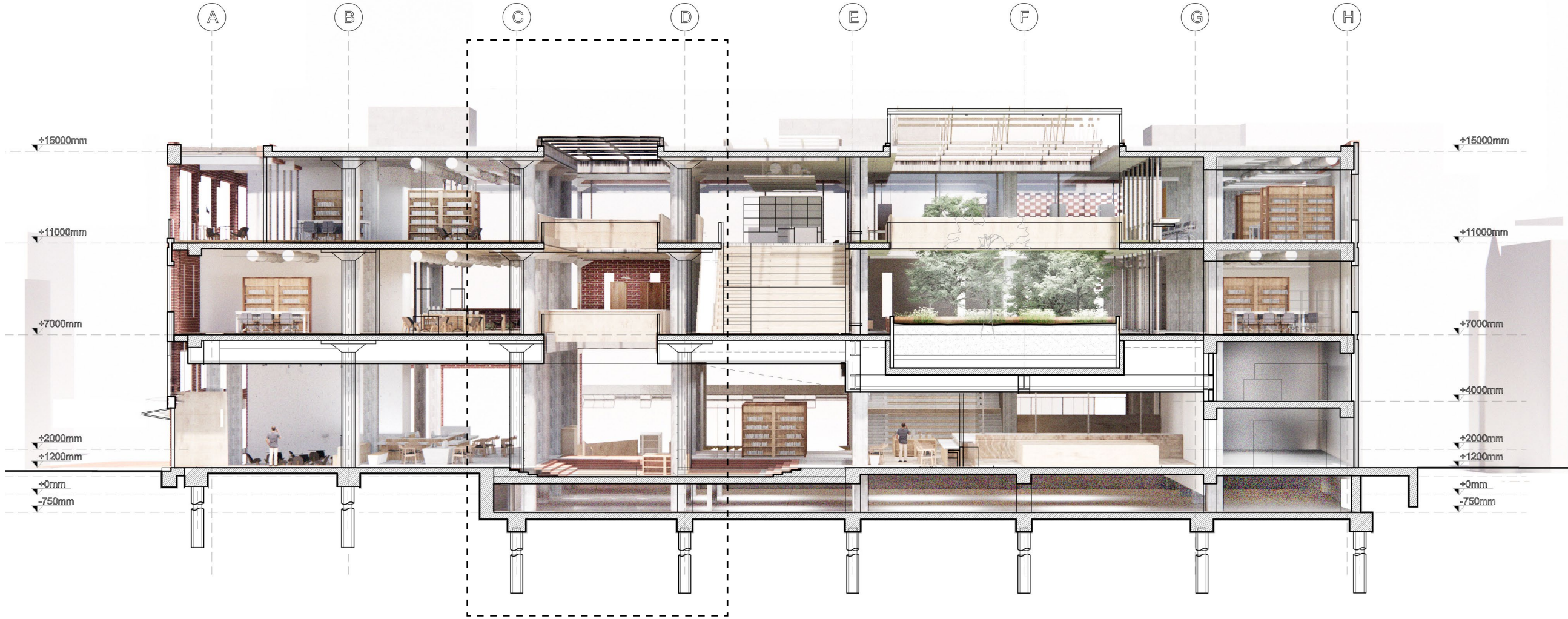
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

SLAB & ROOF RENNOVATION

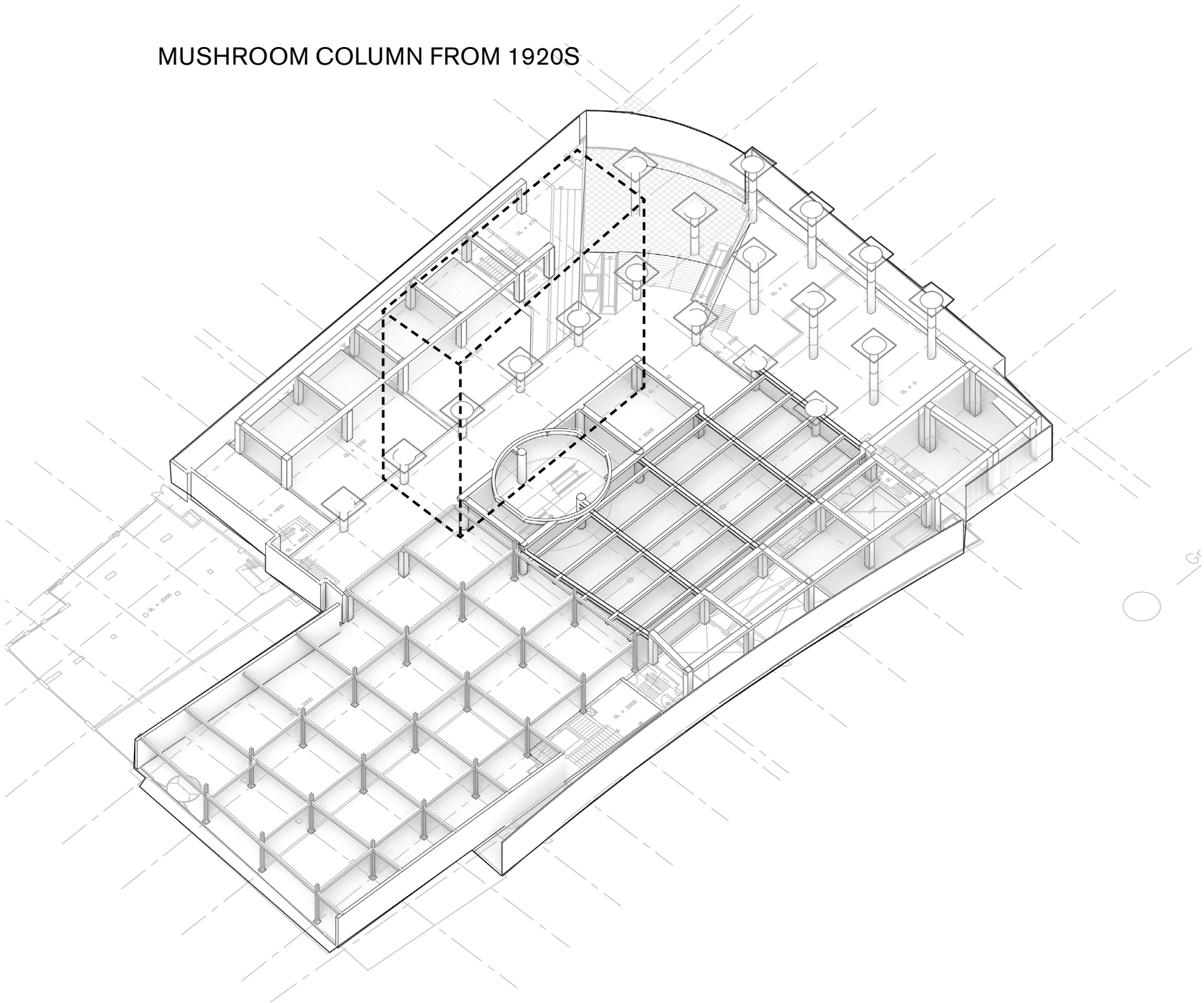
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

- CENTRAL PASSAGE -

Vacant Heritage - Department Stores V&D's

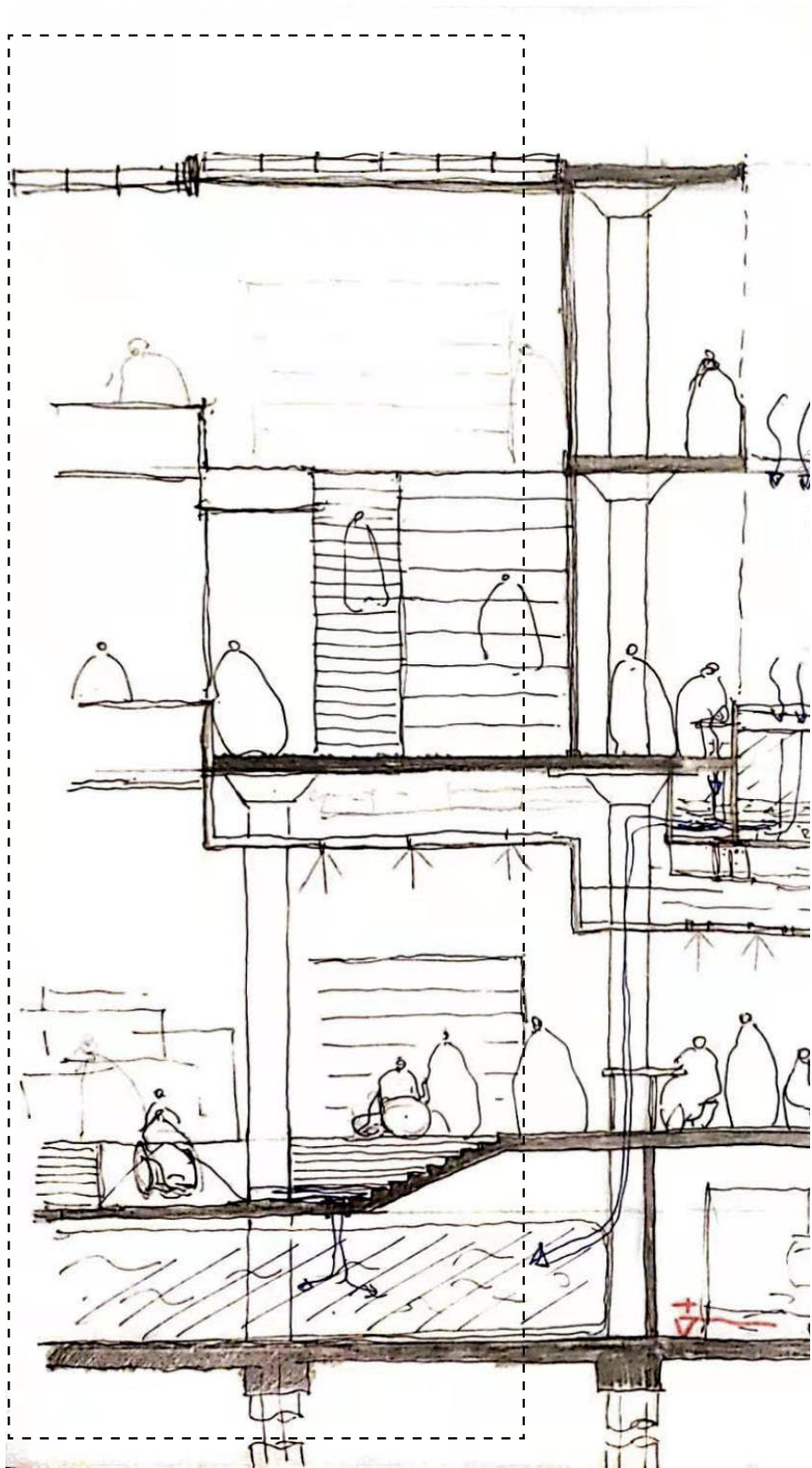
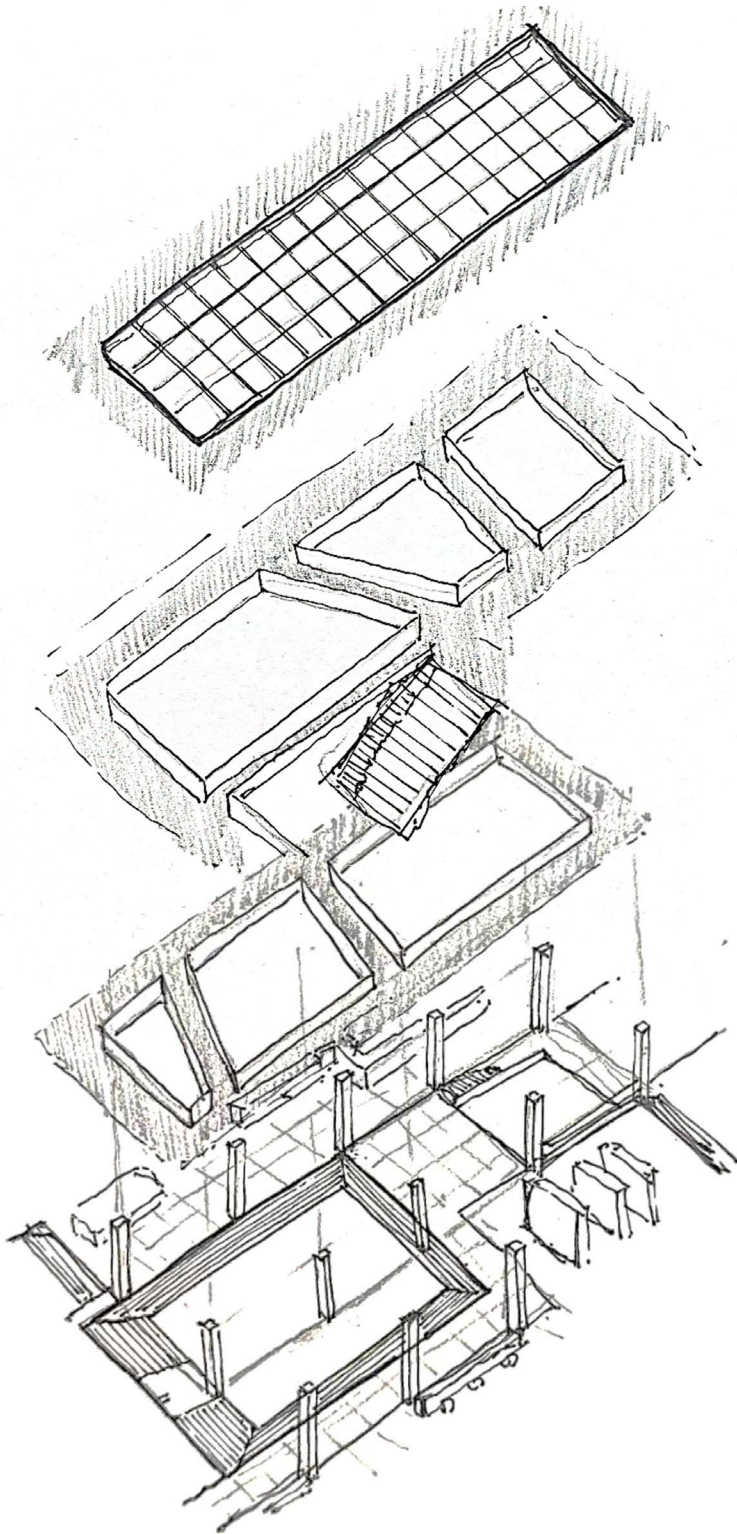
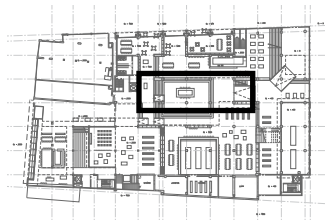


STRUCTURE TYPE



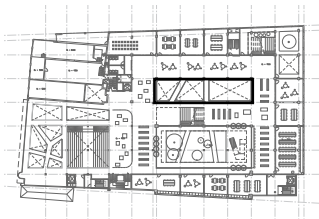
Bridging Social Life - Urban Living Room for Dordrecht

Vacant Heritage - Department Stores V&D's

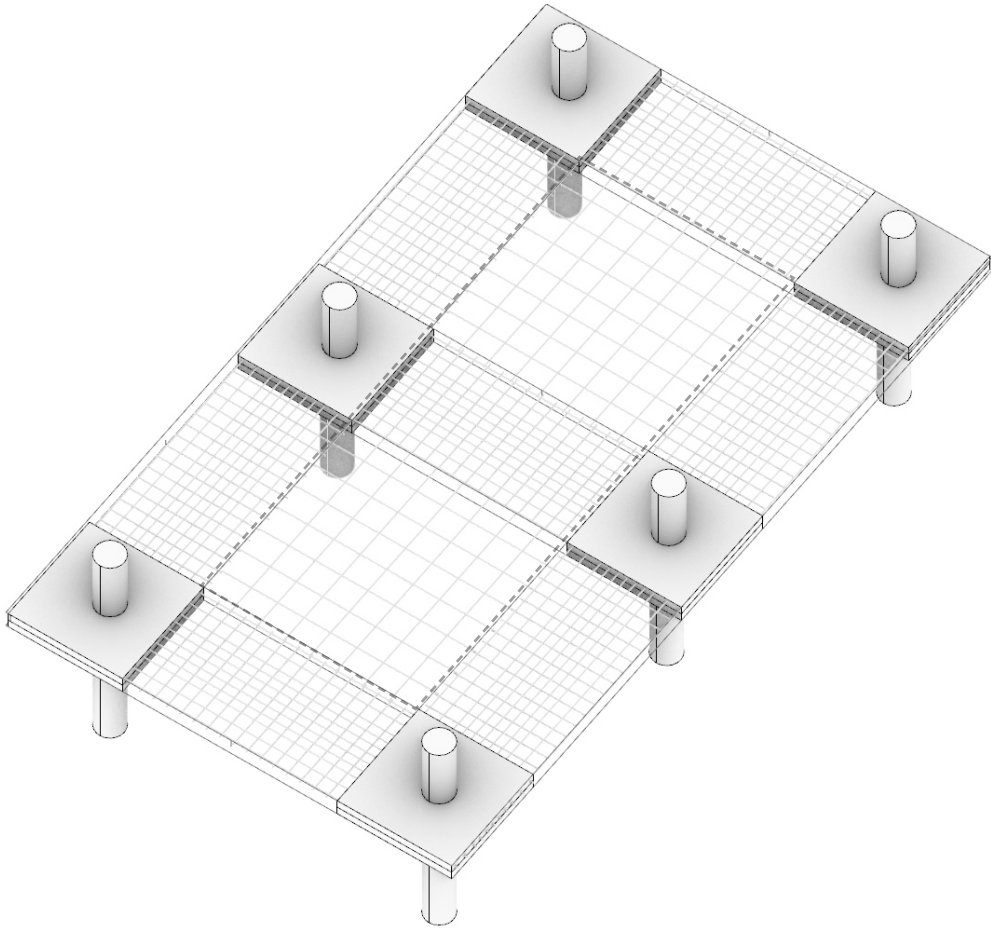


DESIGN OF THE PASSAGE

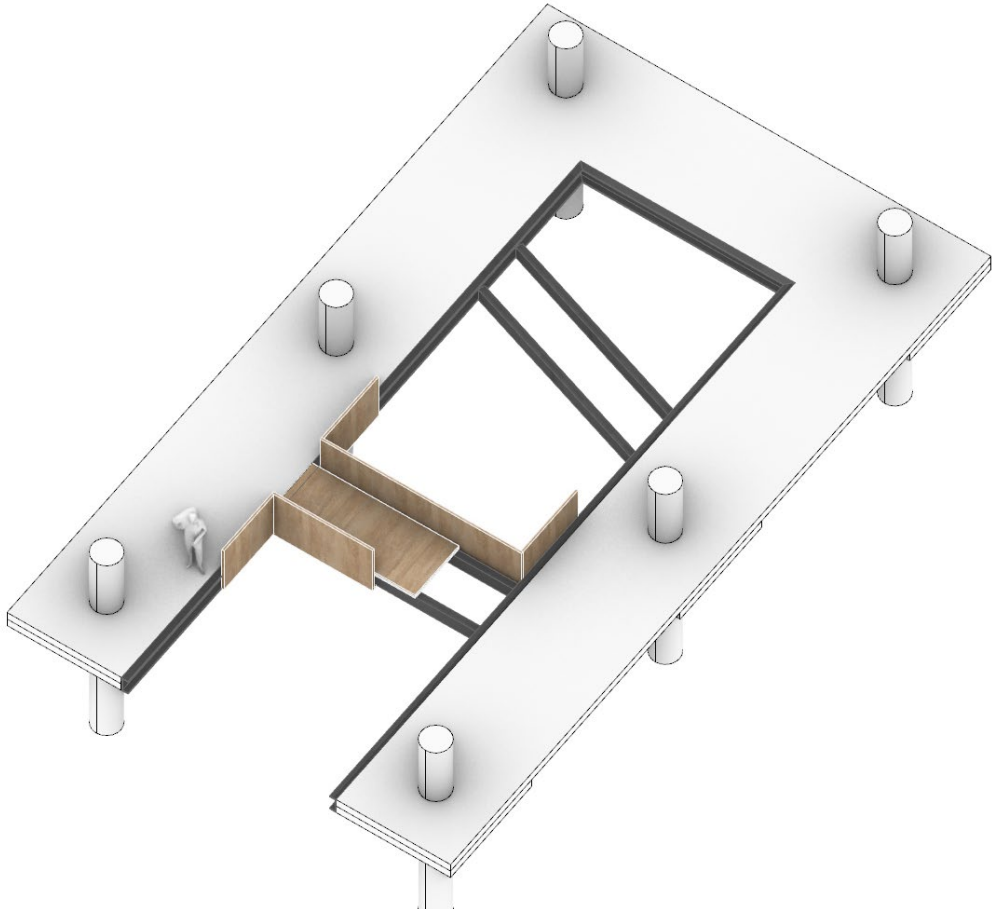
Bridging Social Life - Urban Living Room for Dordrecht



REMOVED STRUCTURE
NEW ADDED STRUCTURE



BEFORE



AFTER

STRUCTURAL INTERVENTION

Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

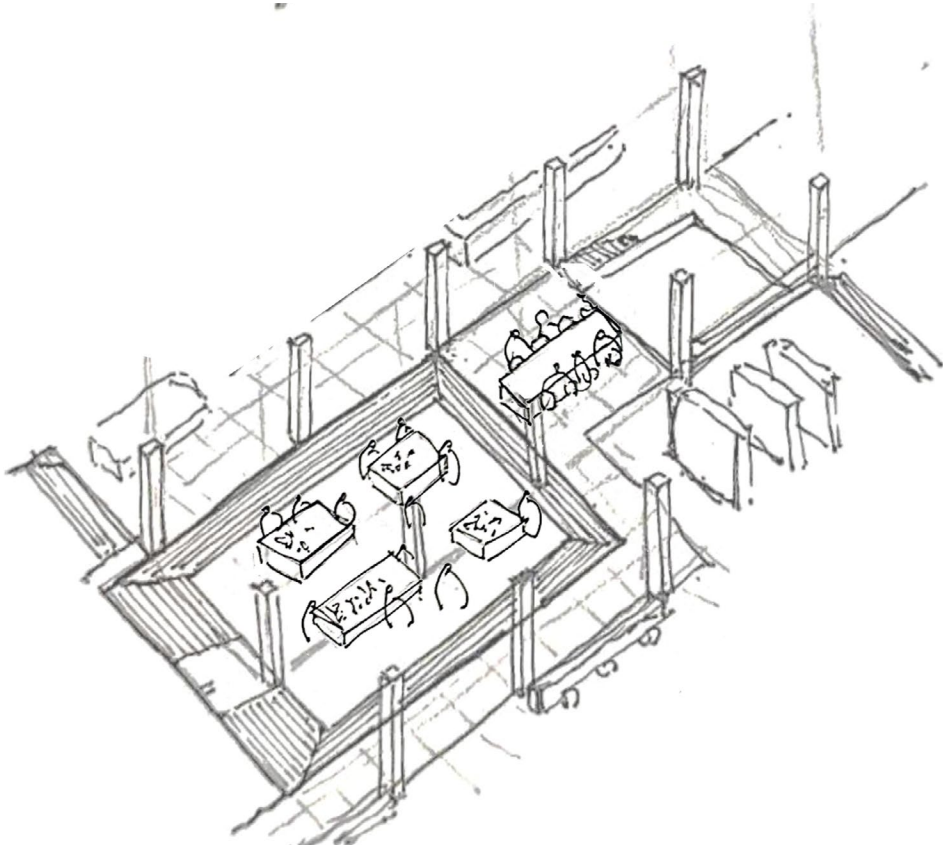
Vacant Heritage - Department Stores V&D's



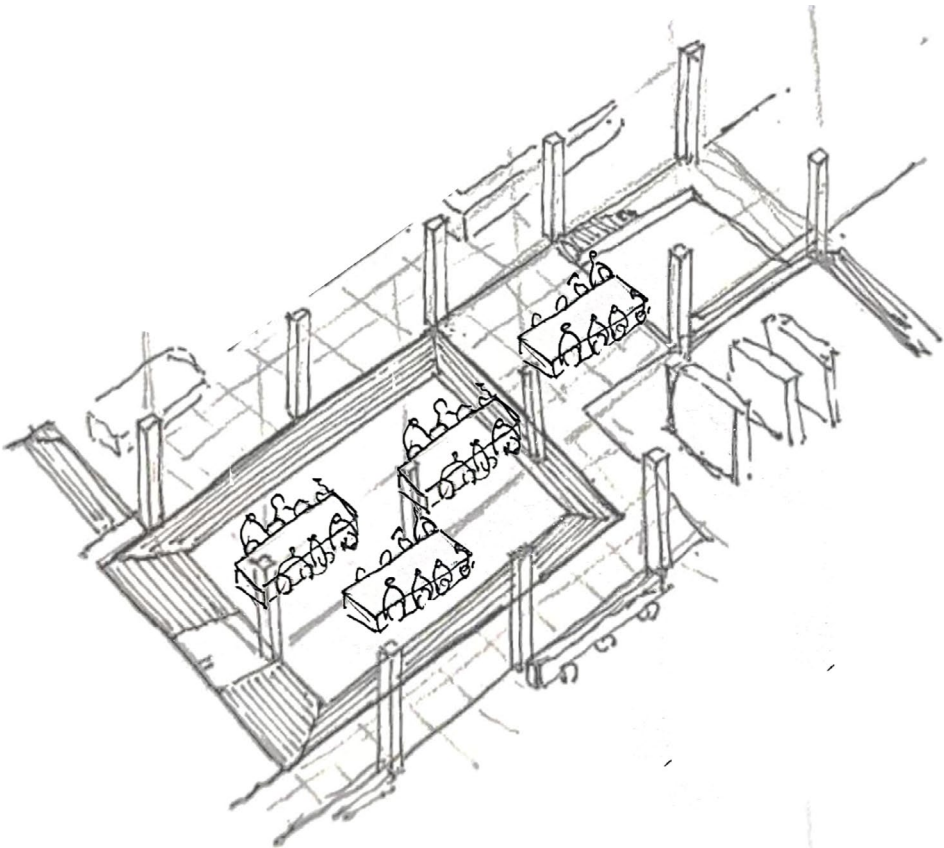
Bridging Social Life - Urban Living Room for Dordrecht

CENTRAL SQUARE OF PASSAGE

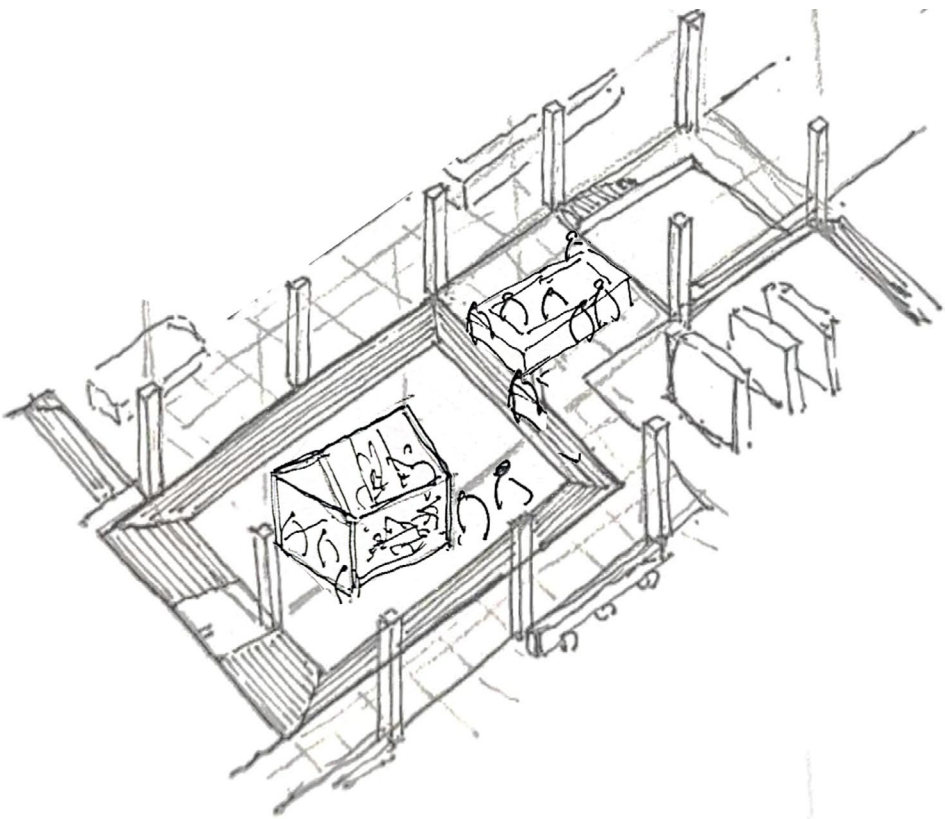
Vacant Heritage - Department Stores V&D's



option1. cooking events/exhibition



option2. expand the restaurants

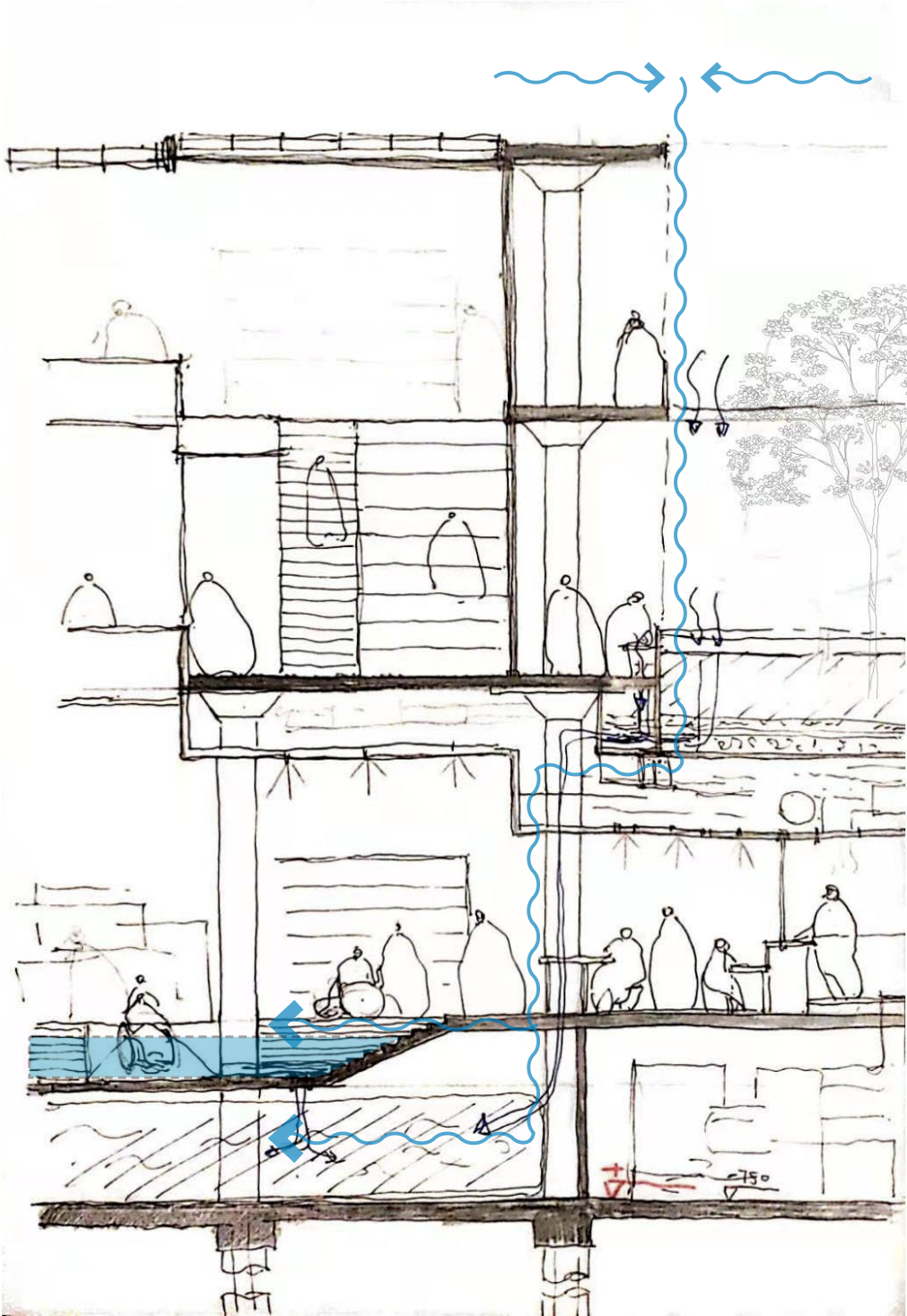
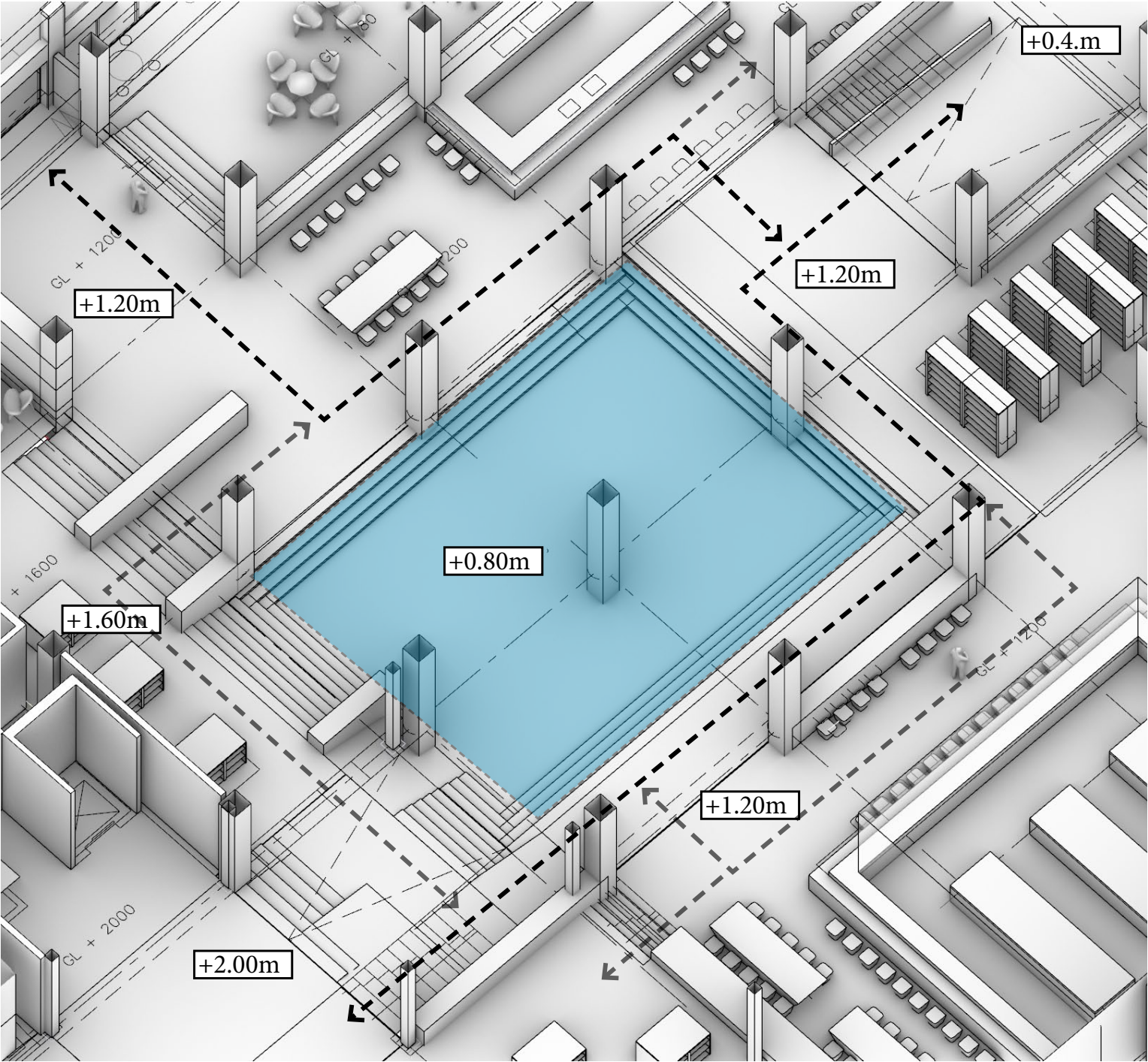


option3. pop-up market

Bridging Social Life - Urban Living Room for Dordrecht

MULTIPLE USE THE PASSAGE SQUARE

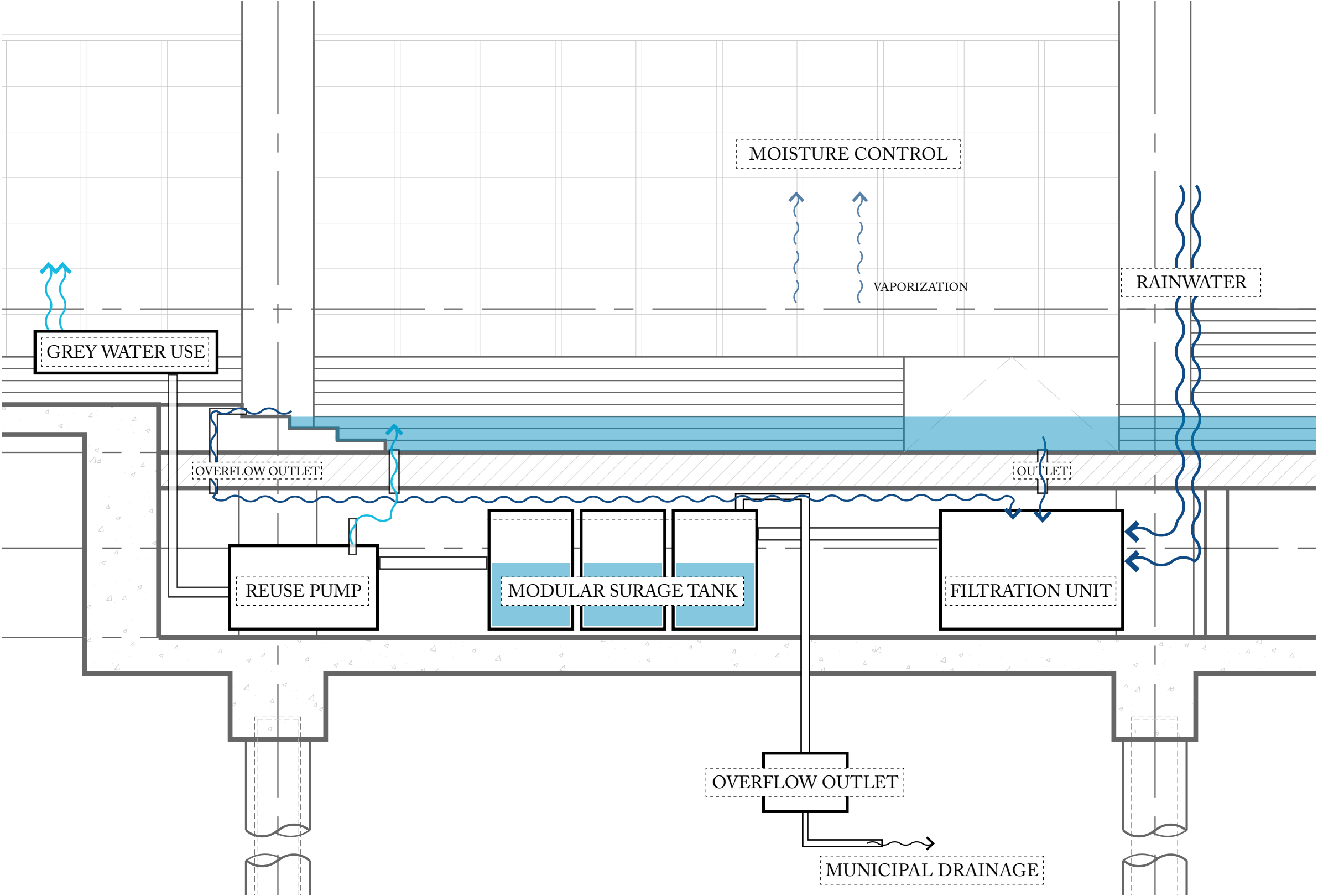
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

CLIMATE USE - WATER SQUARE

Vacant Heritage - Department Stores V&D's

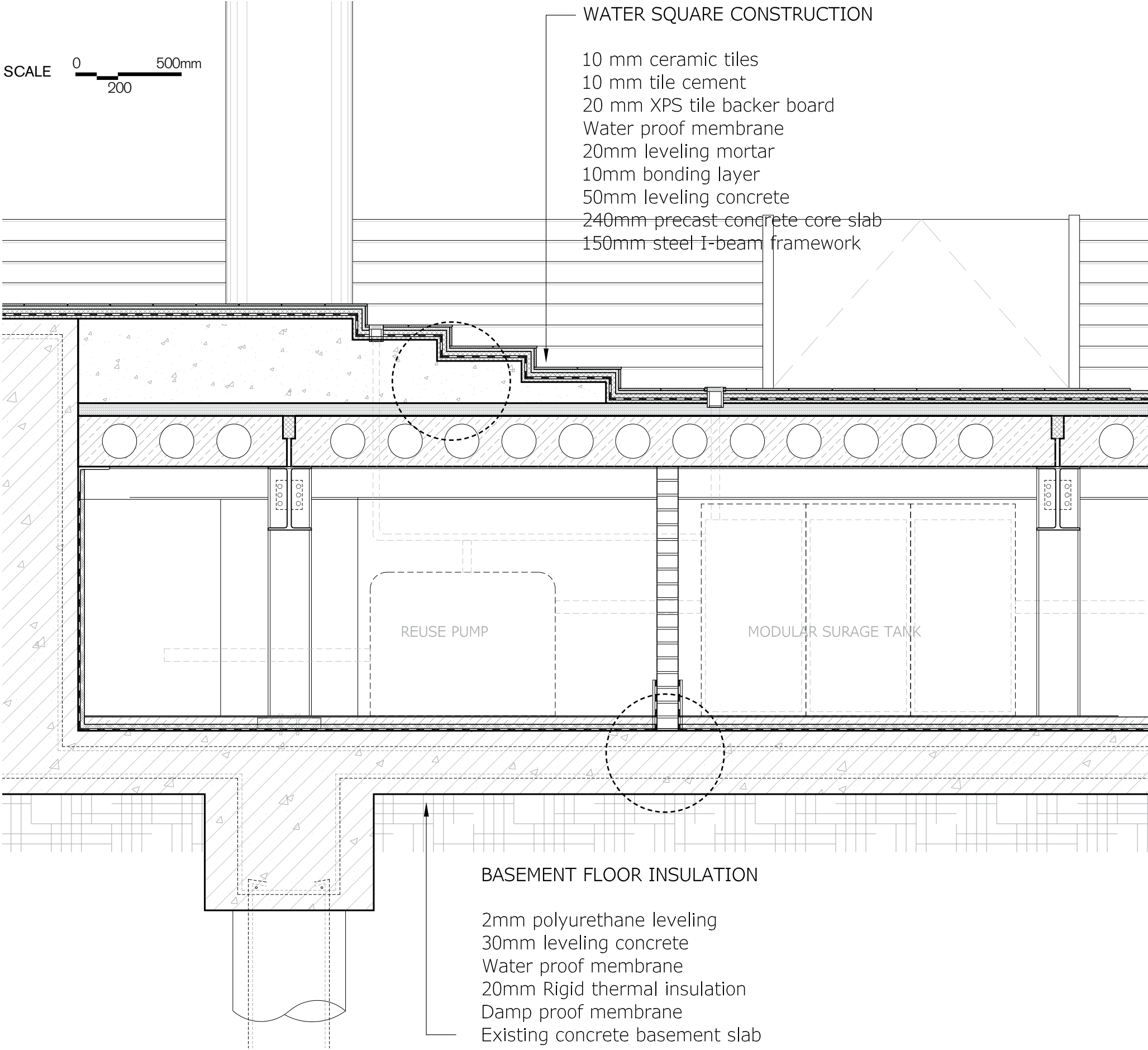


RAINWATER COLLECTION SERVICE

Bridging Social Life - Urban Living Room for Dordrecht

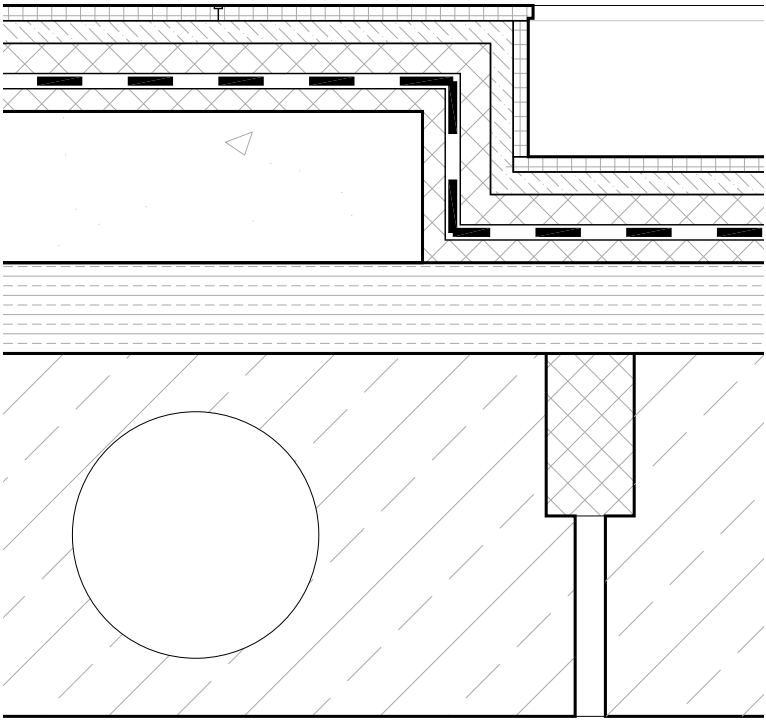
Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

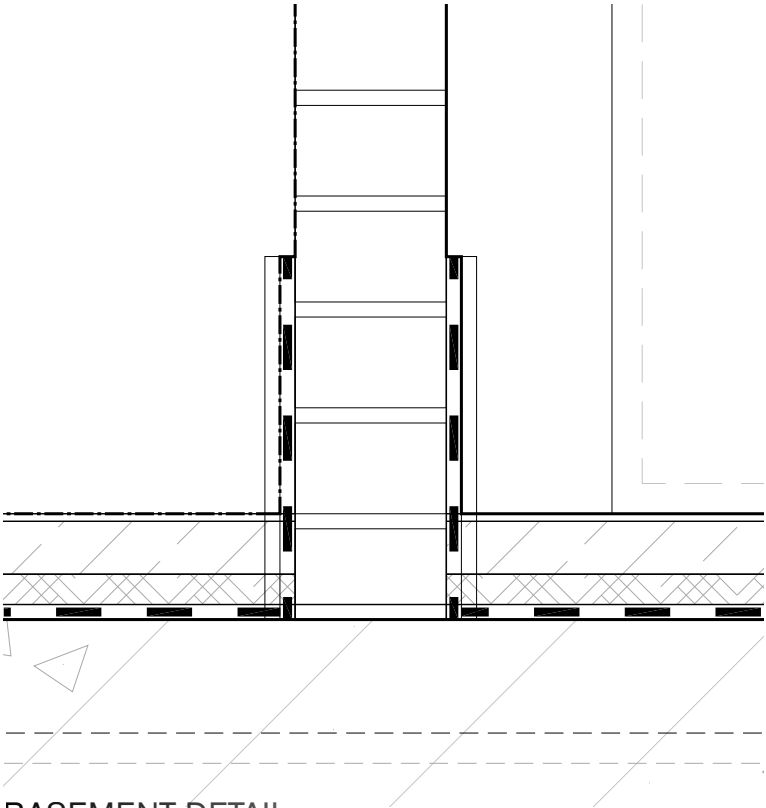


DETAIL OF WATER SQUARE

SCALE 0 100mm



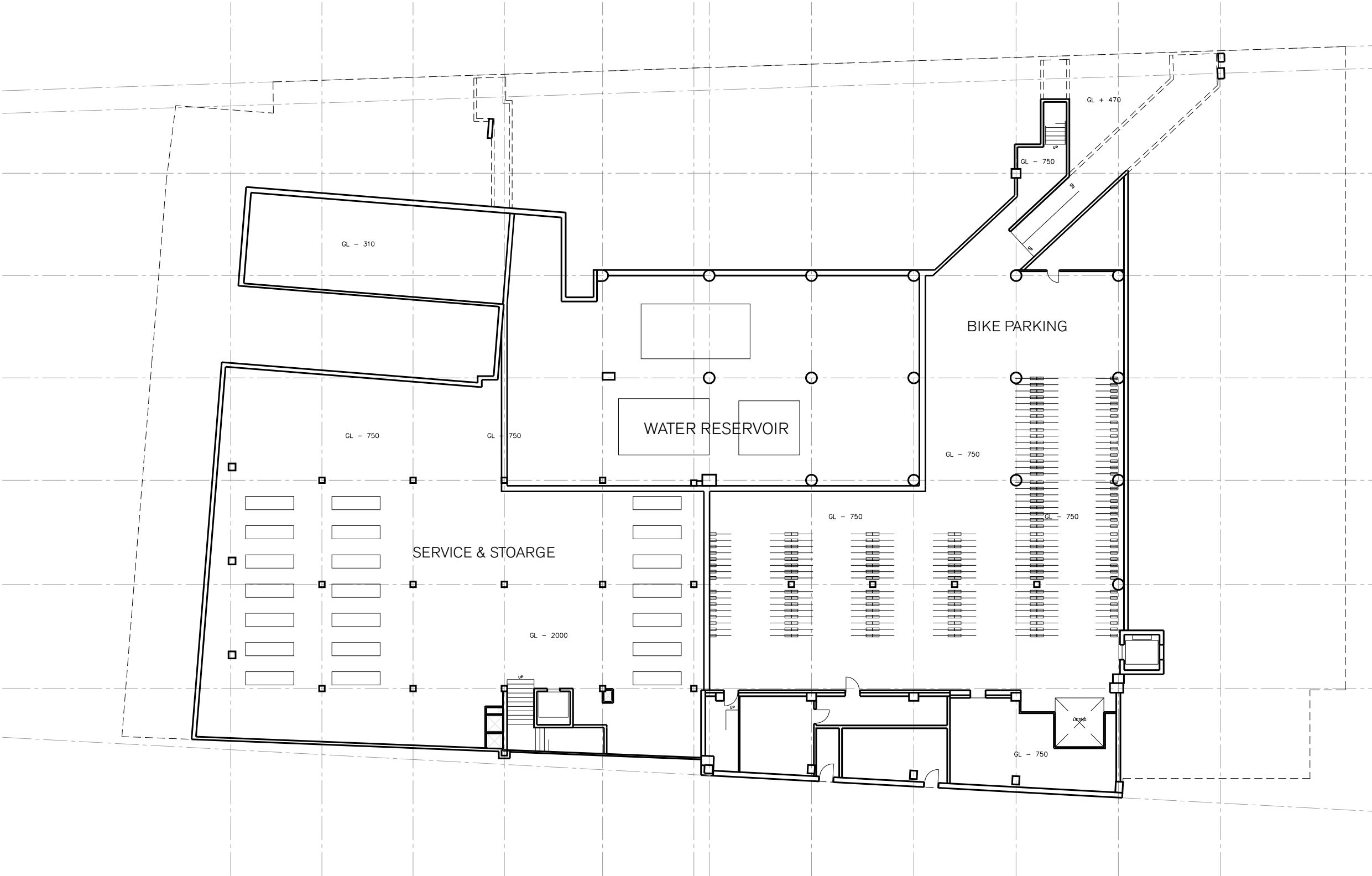
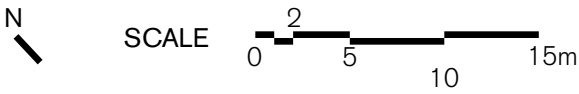
SLAB DETAIL



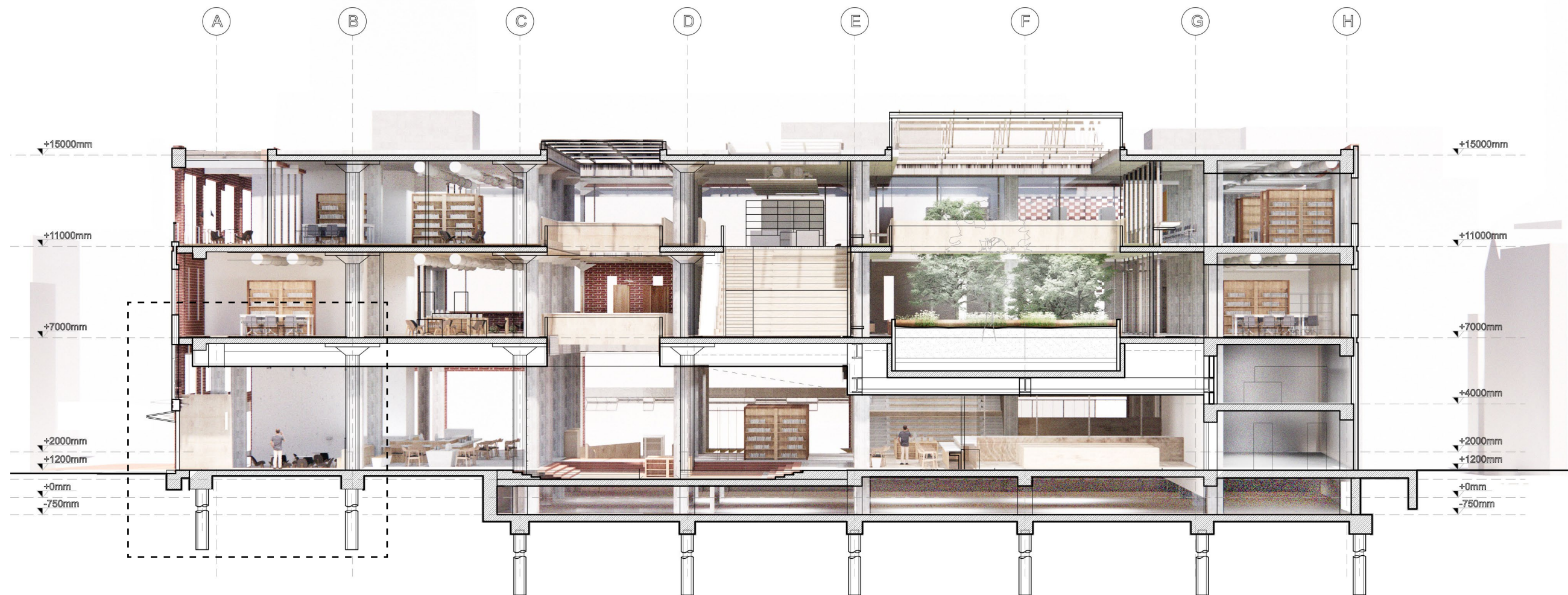
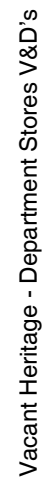
BASEMENT DETAIL

Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

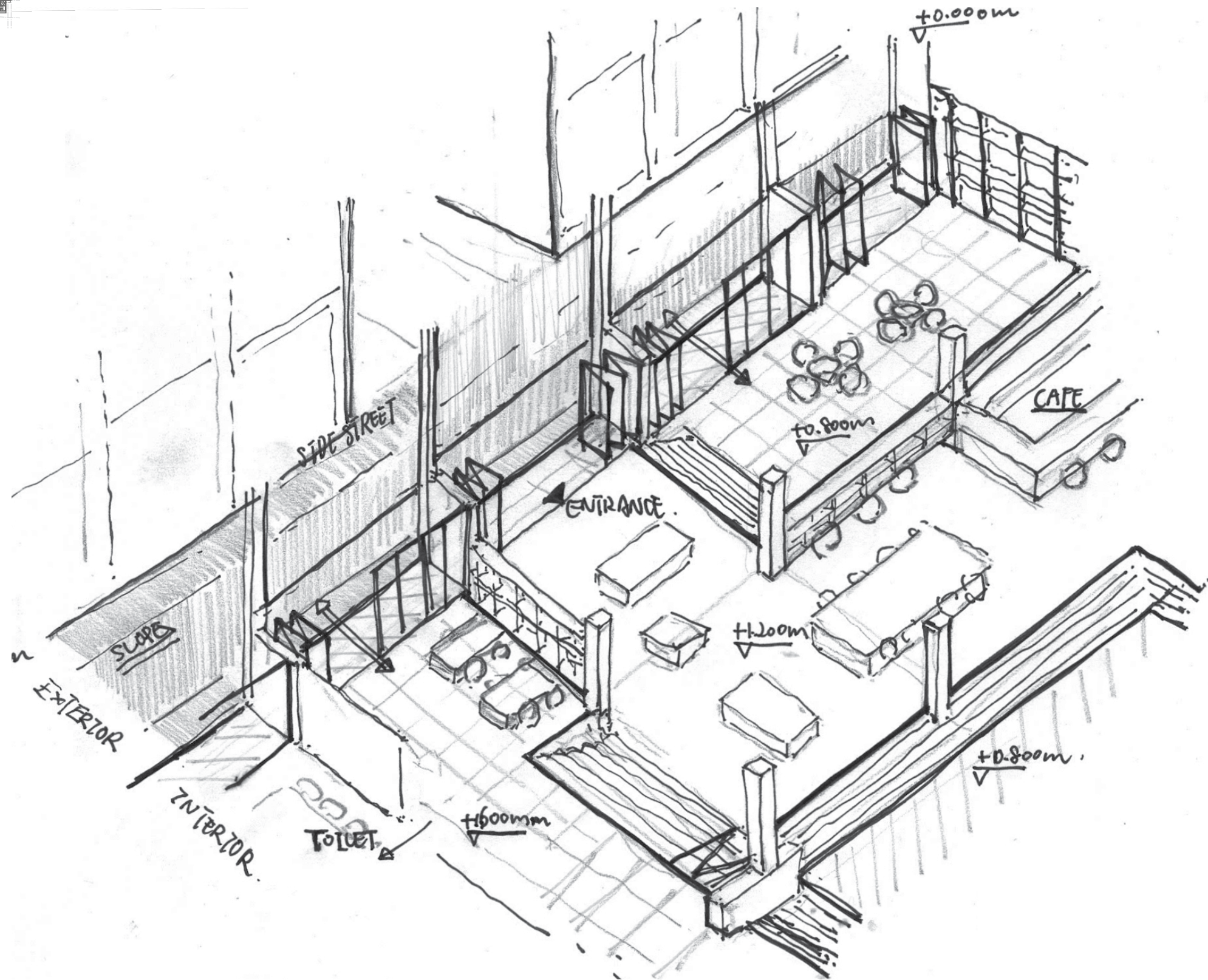
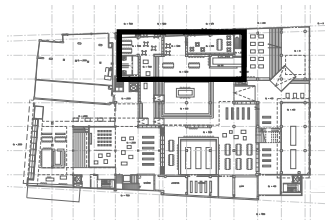


BASEMENT FLOOR



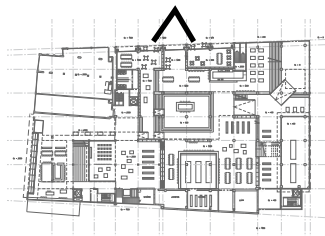
- STREETFRONT CAFE -

Vacant Heritage - Department Stores V&D's



STREET FRONT CAFE

Bridging Social Life - Urban Living Room for Dordrecht



Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

STREET FRONT CAFE

Vacant Heritage - Department Stores V&D's



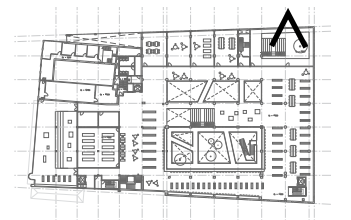
Bridging Social Life - Urban Living Room for Dordrecht

- FACADE INTERVENTION -

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

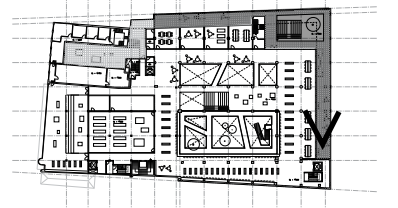


OPEN GARDEN AT THE CORNER

Vacant Heritage - Department Stores V&D's

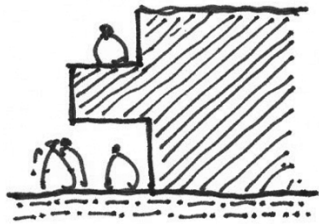


Bridging Social Life - Urban Living Room for Dordrecht

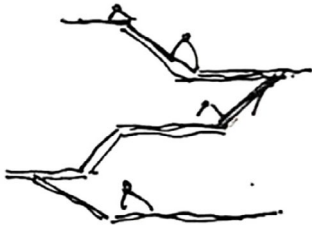


BALCONY AT SECOND FLOOR

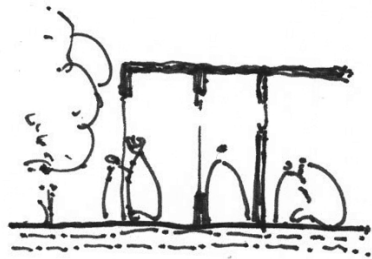
Vacant Heritage - Department Stores V&D's



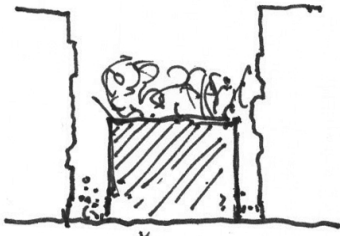
SET UP



SEQUENCE OF SPACE

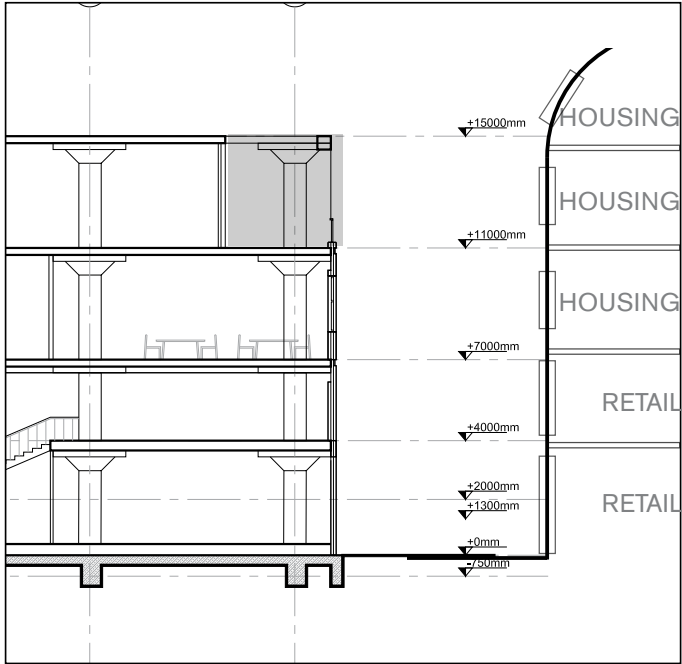


SEQUENCE OF SPACE

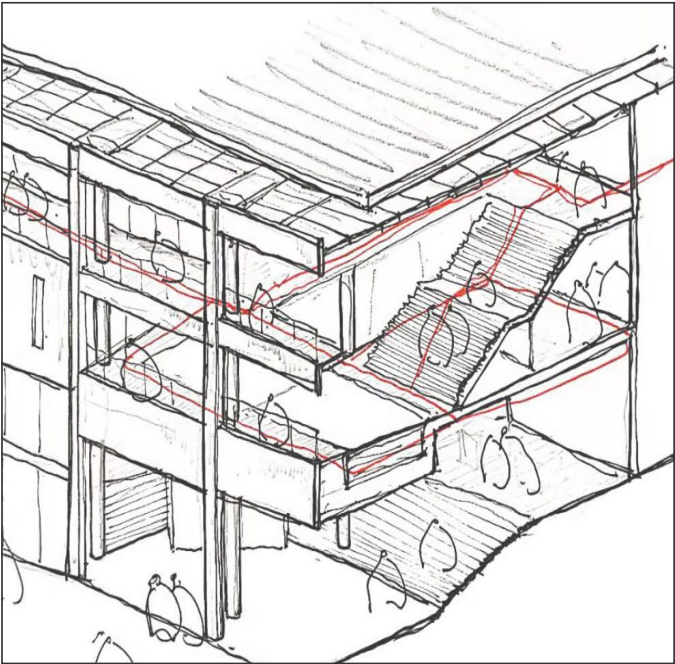


GREEN SPACE

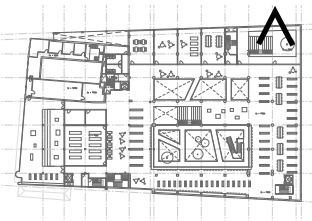
INVOLVING OF IN-BETWEEN SPACE



CONNECTION AT ALL DIRECTIONS



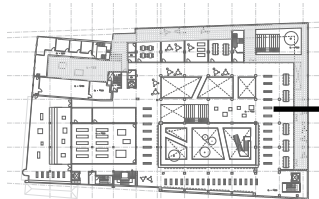
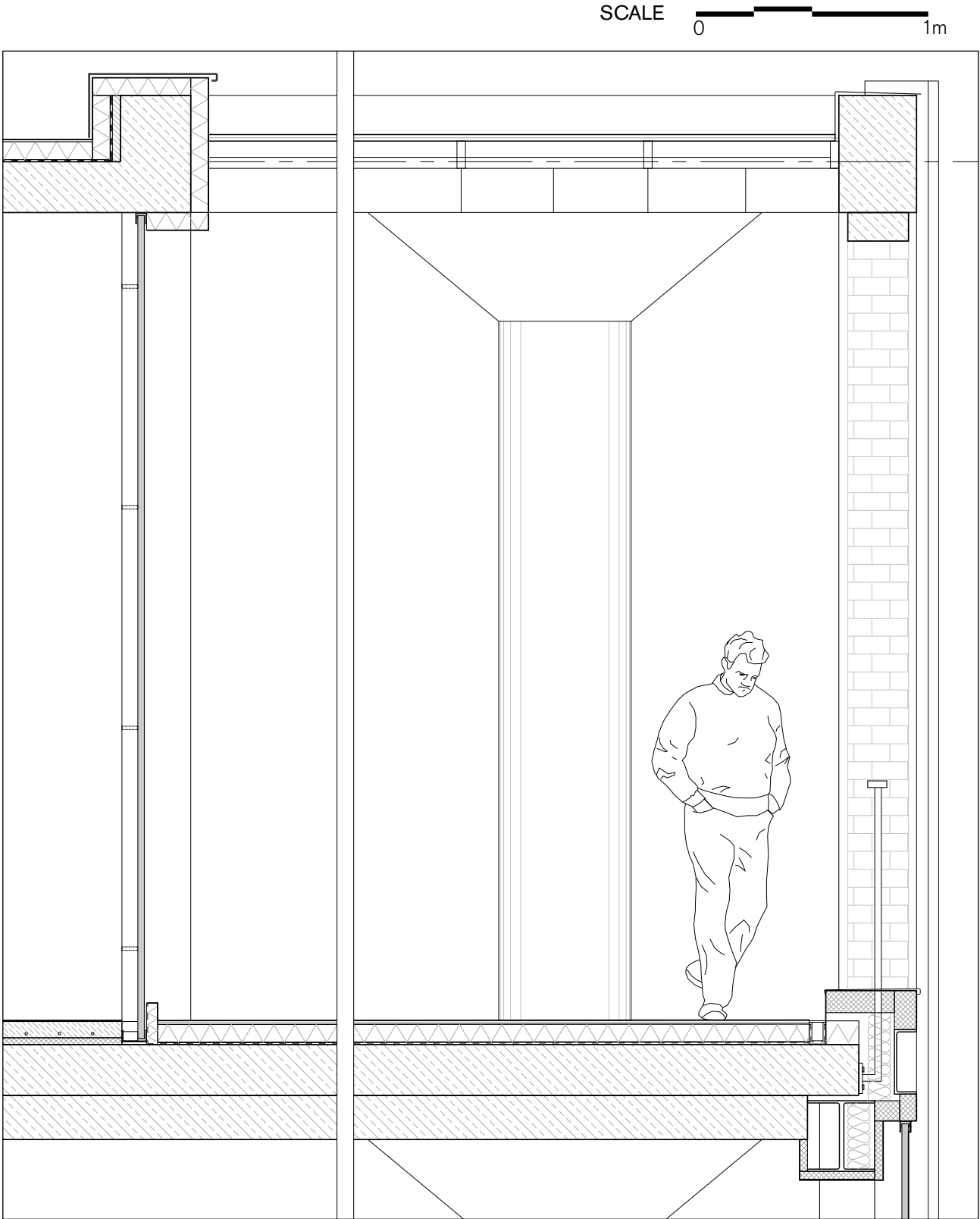
CONNECTION AT ALL DIRECTIONS



INTERVENTION ON 1990s' FACADE

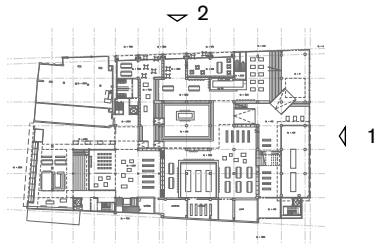
Bridging Social Life - Urban Living Room for Dordrecht

Vacant Heritage - Department Stores V&D's



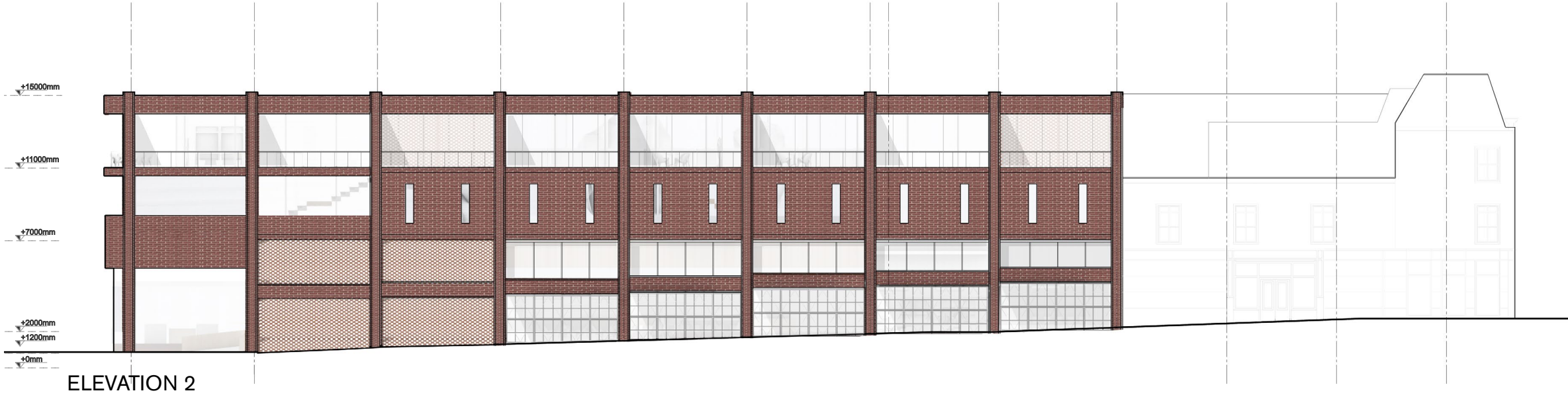
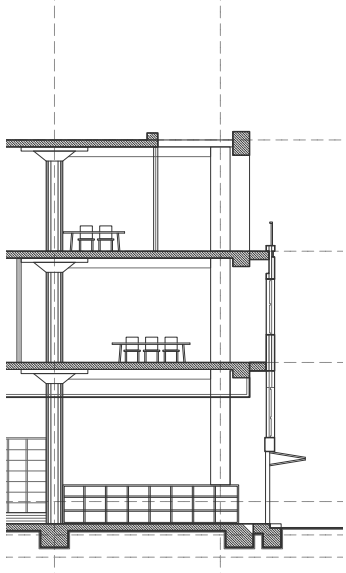
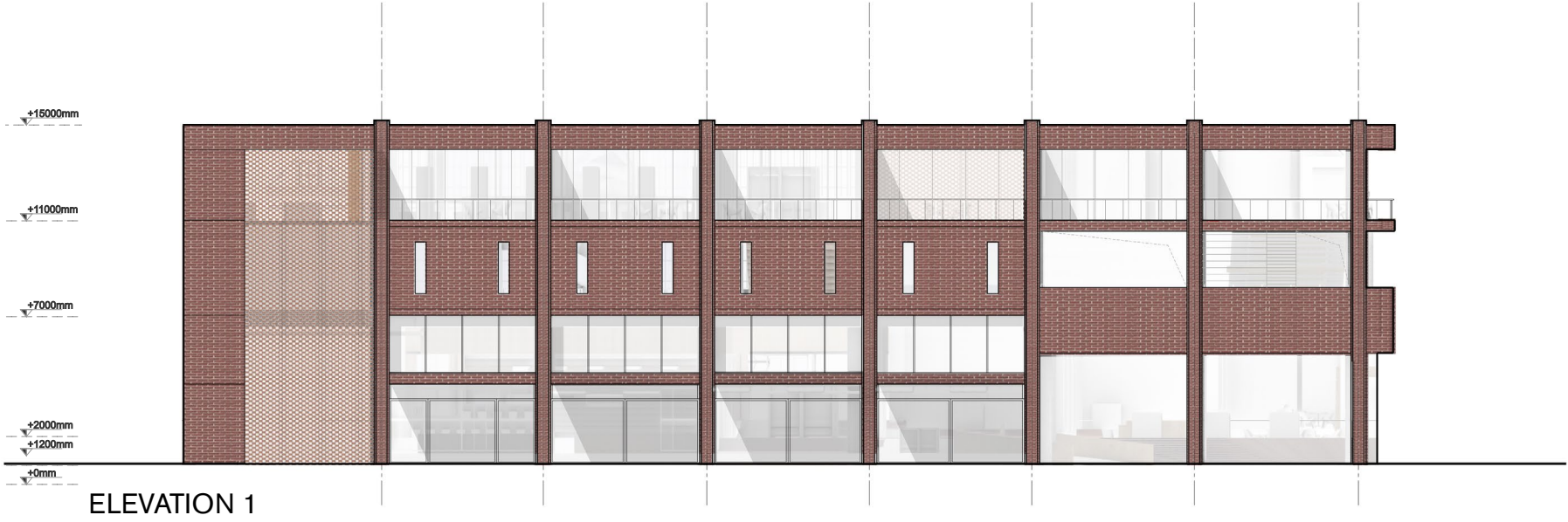
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BALCONY BELT



SCALE 0 2 5 10 15m

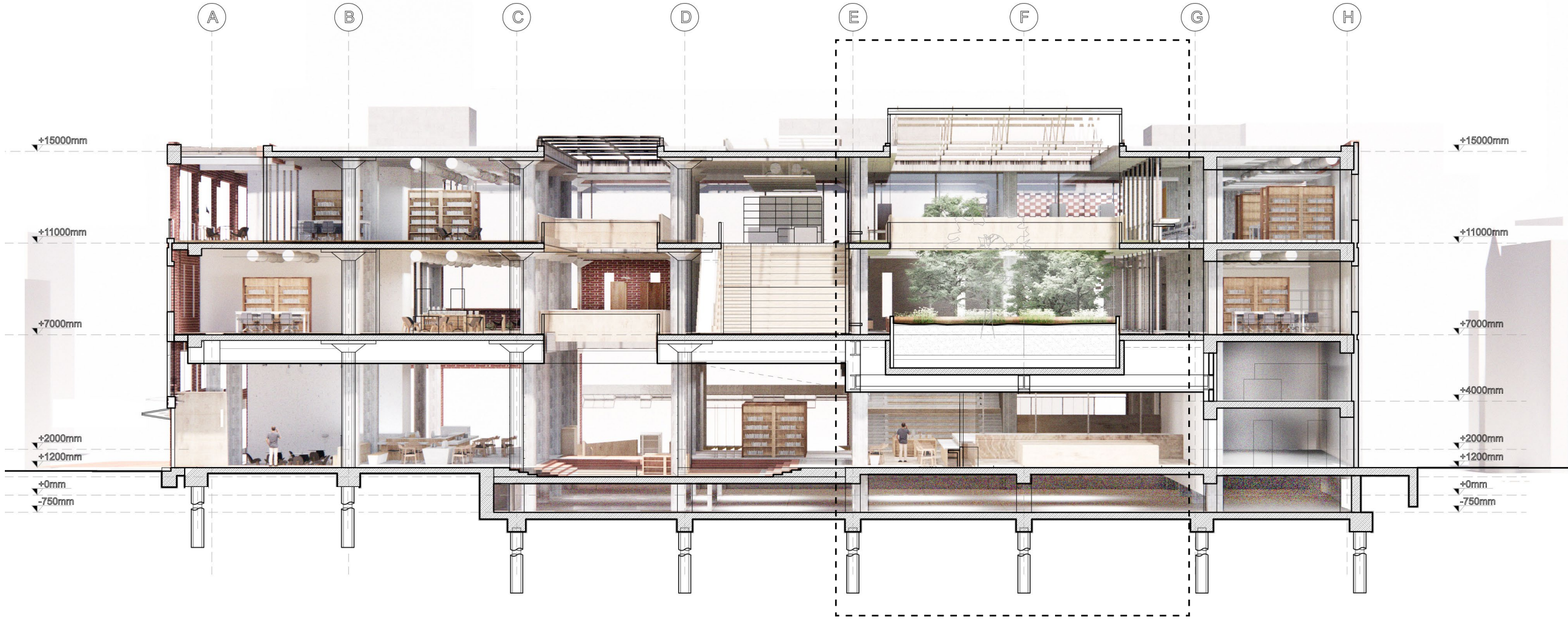
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

ELEVATION

Vacant Heritage - Department Stores V&D's

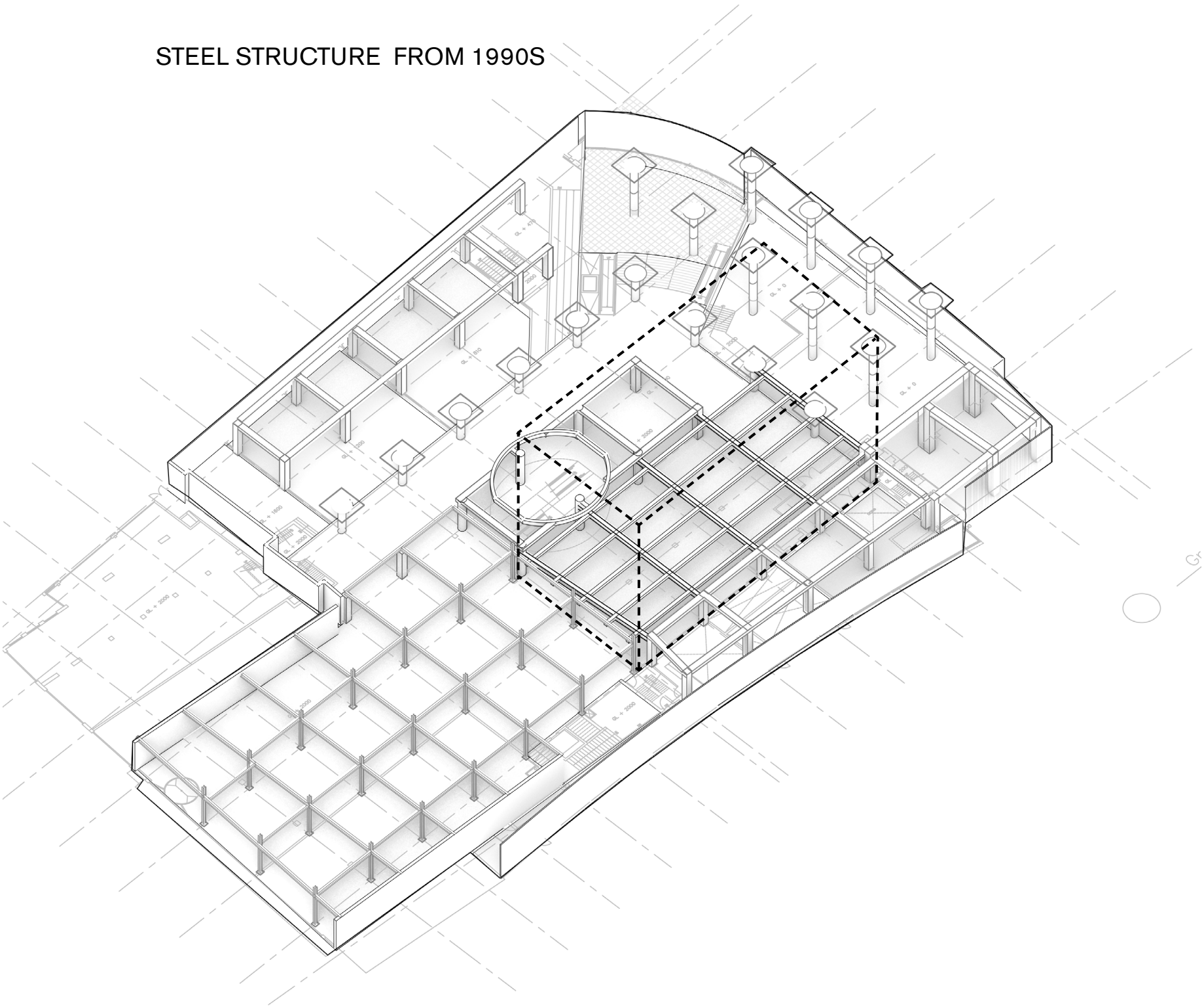


Bridging Social Life - Urban Living Room for Dordrecht

- FLOATING GARDEN -

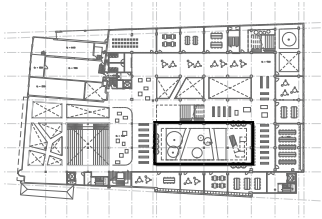
Vacant Heritage - Department Stores V&D's

STEEL STRUCTURE FROM 1990S

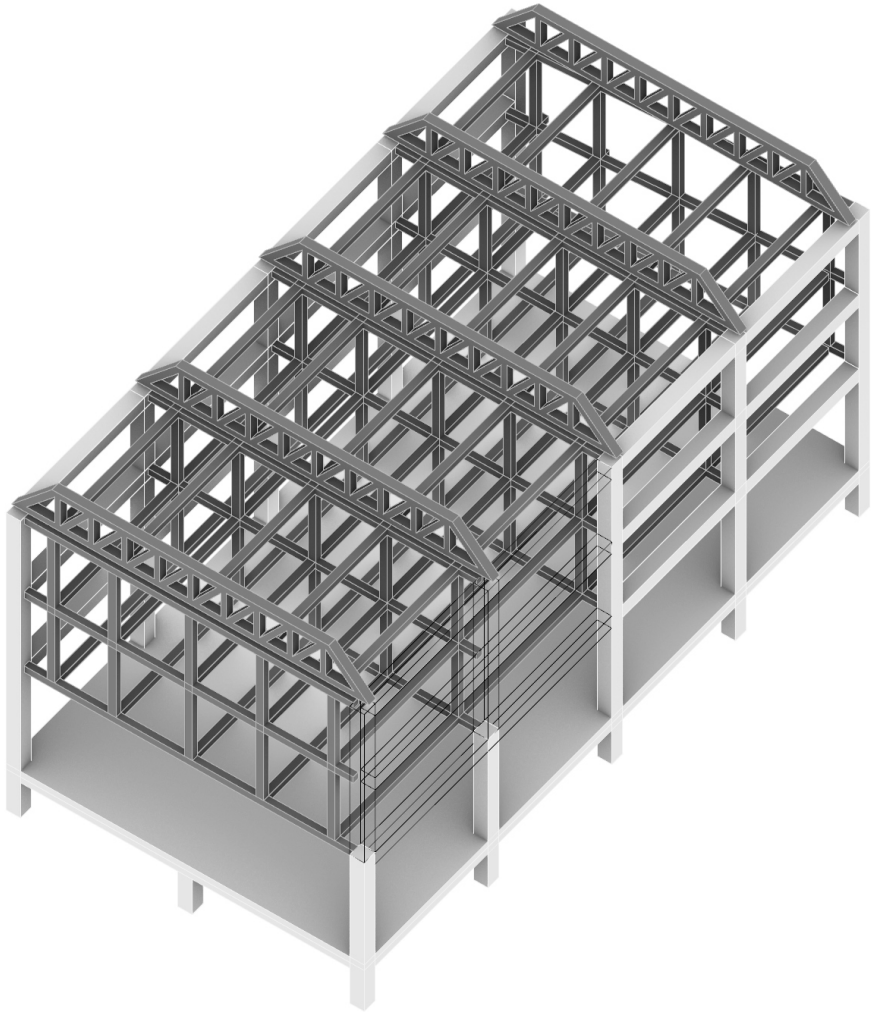


Bridging Social Life - Urban Living Room for Dordrecht

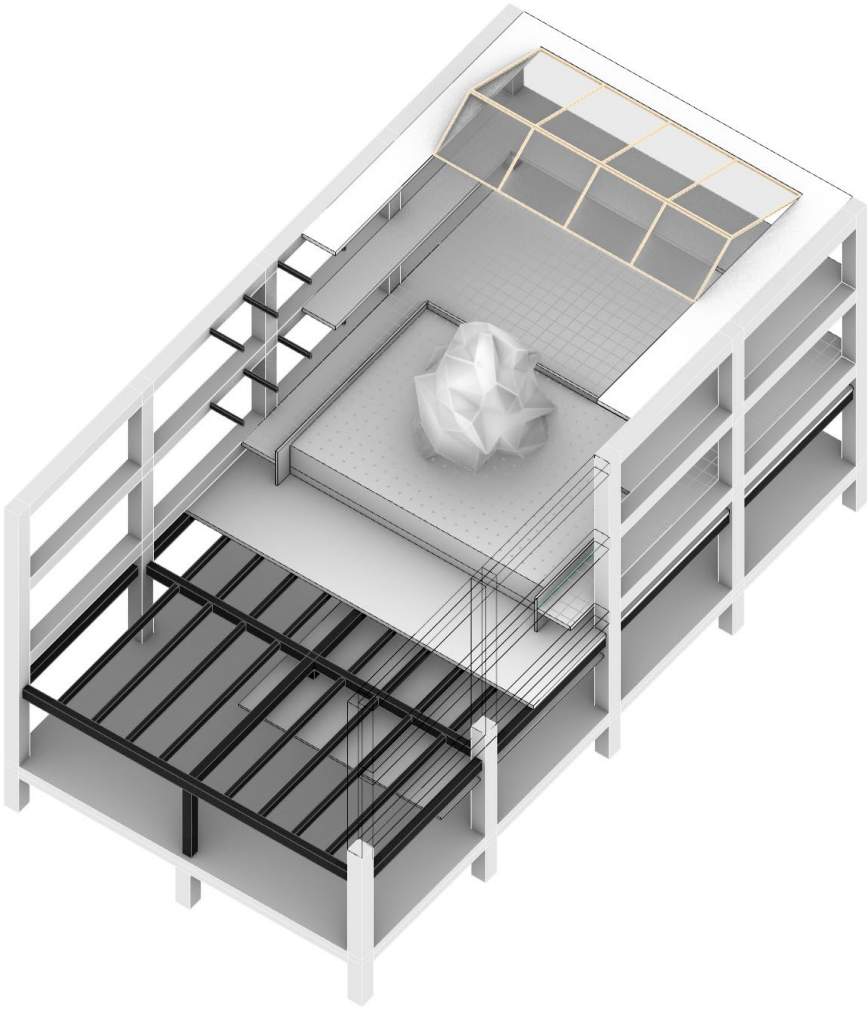
STRUCTURE TYPE



REMOVED STRUCTURE
NEW ADDED STRUCTURE



BEFORE



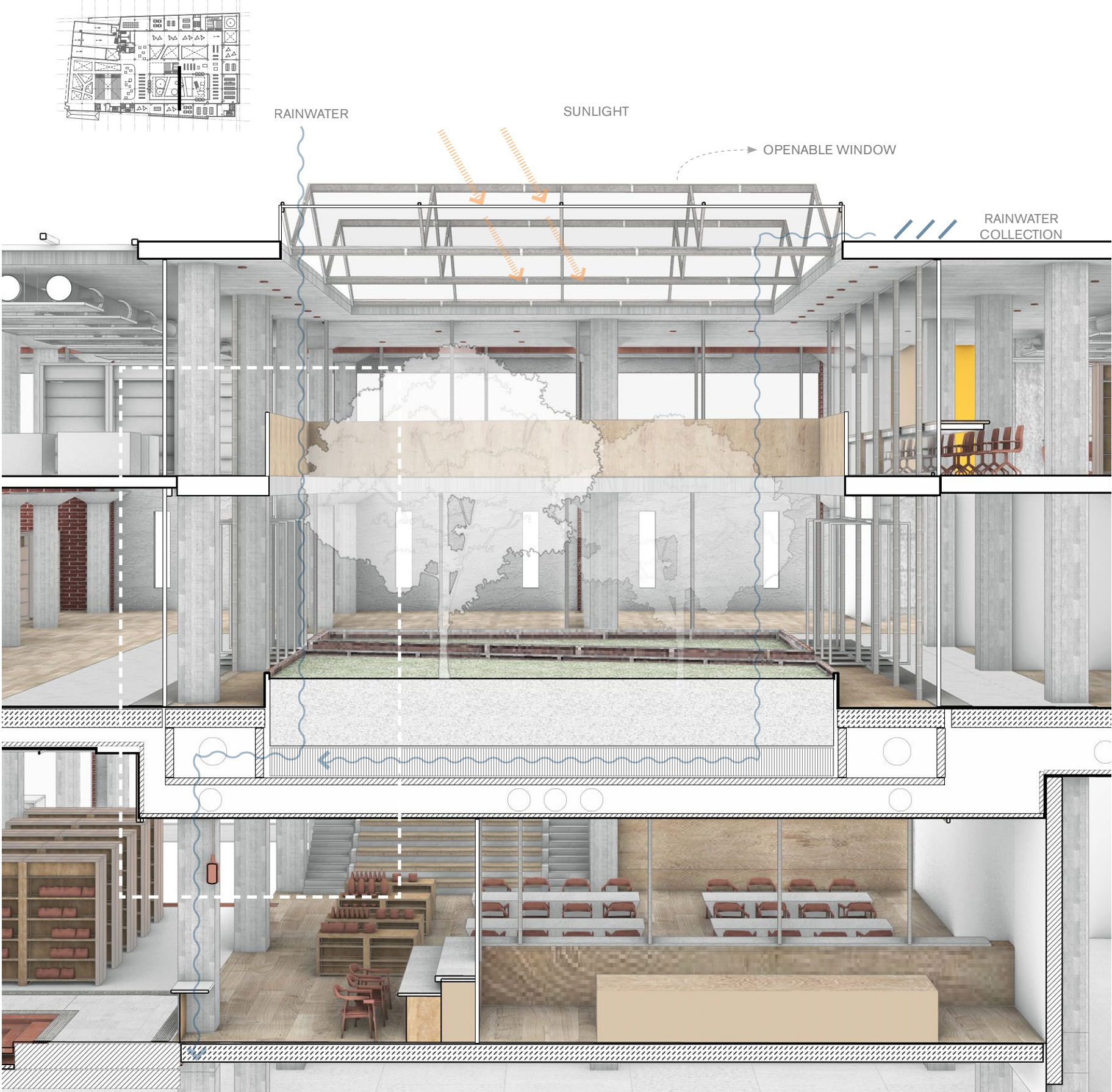
AFTER

STRUCTURAL INTERVENTION

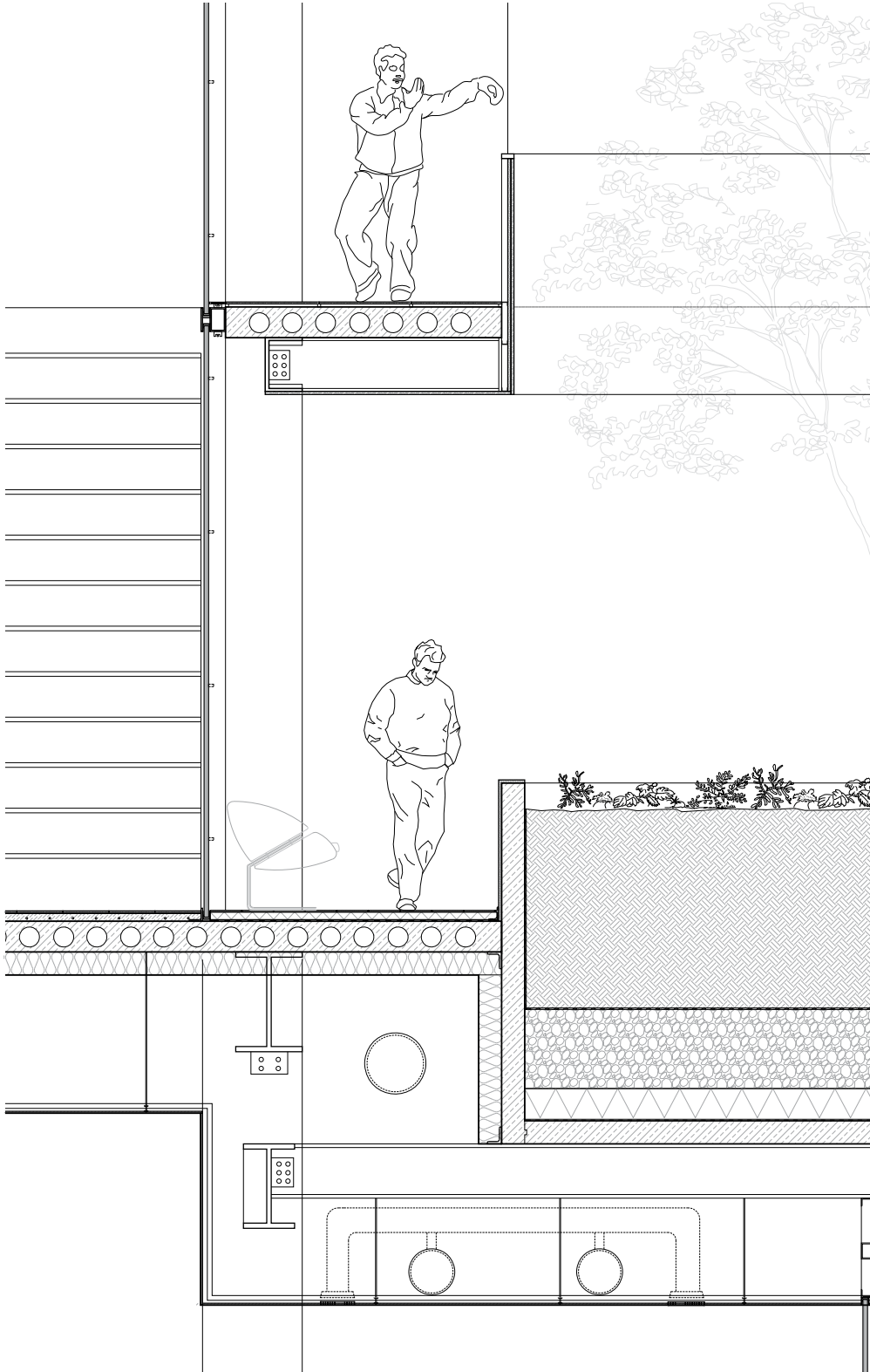
Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

Vacant Heritage - Department Stores V&D's



SCALE 0 1 2m



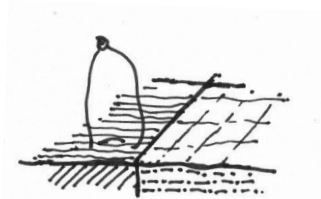
Bridging Social Life - Urban Living Room for Dordrecht

SECTION OF FLOATING GARDEN

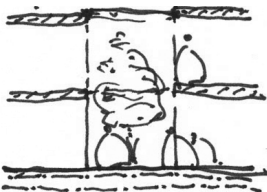
Vacant Heritage - Department Stores V&D's



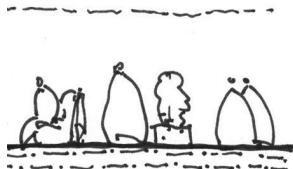
Bridging Social Life - Urban Living Room for Dordrecht



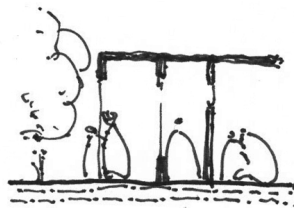
MATERIAL / PAVEMENT



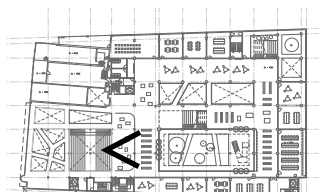
COURTYARD / ATRIUM



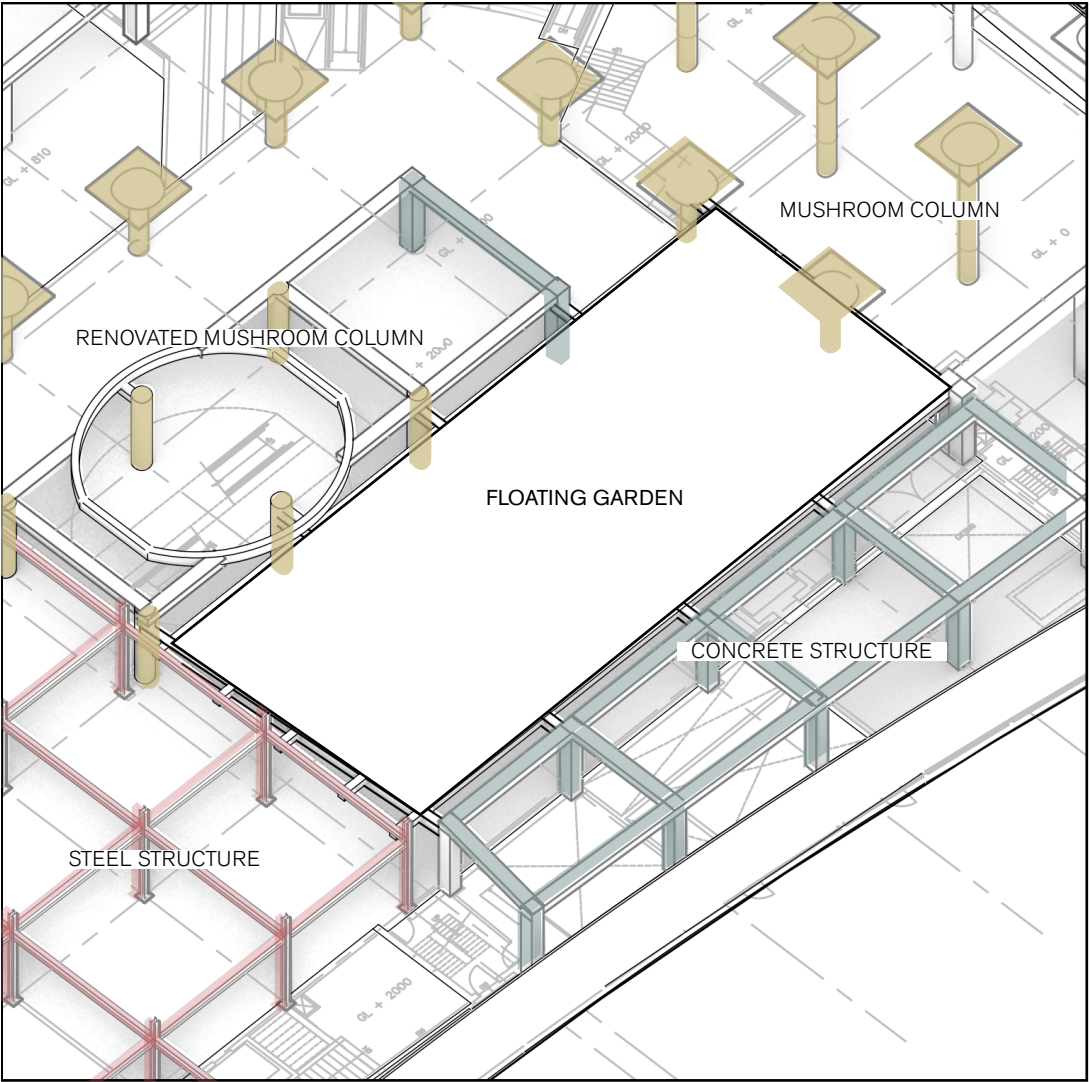
FURNITURE LAYOUT



SEQUENCE OF SPACE



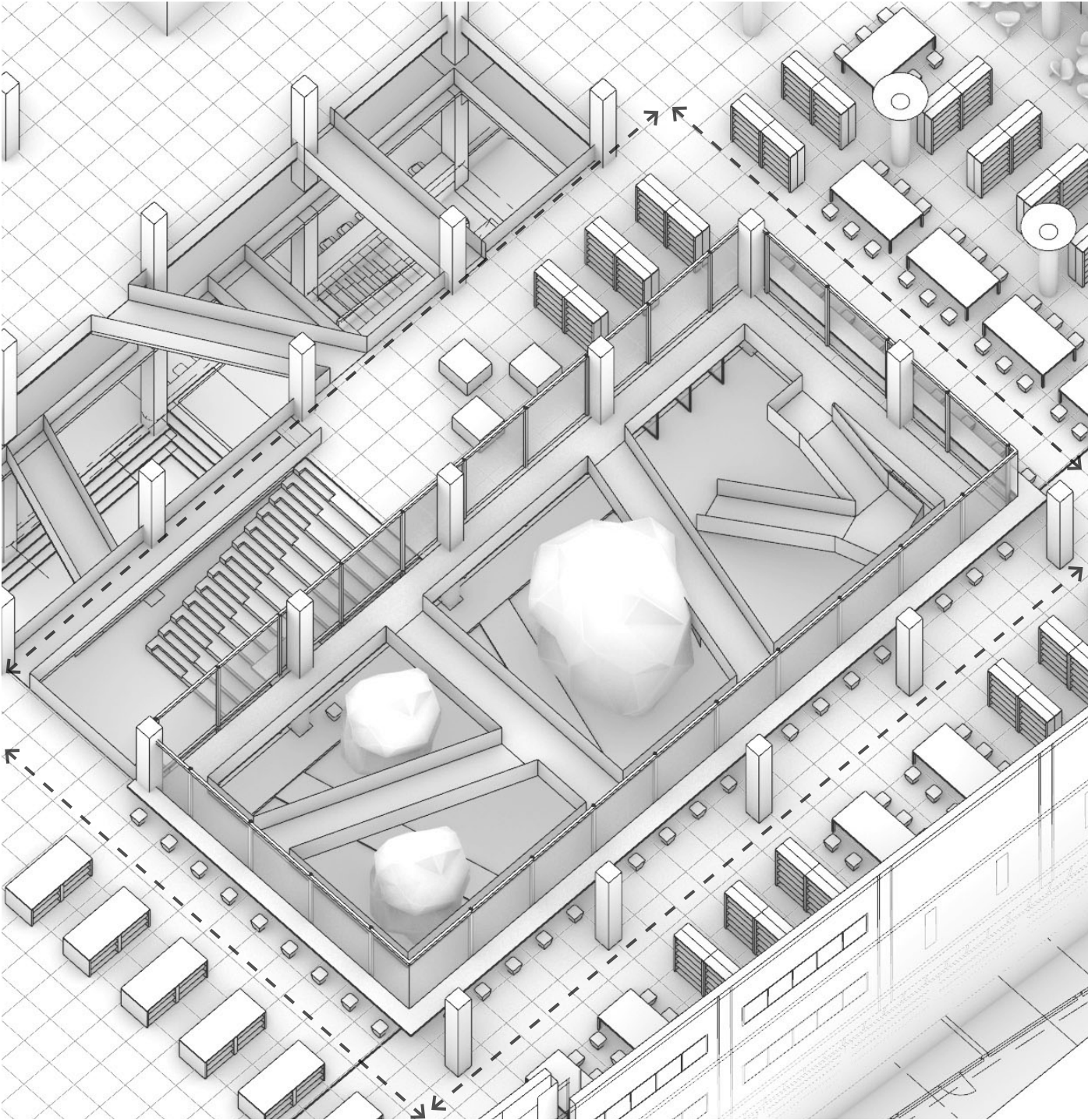
Vacant Heritage - Department Stores V&D's



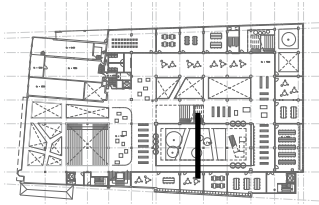
Bridging Social Life - Urban Living Room for Dordrecht

DIFFERENT STRUCTURE MEET TOGETHER

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

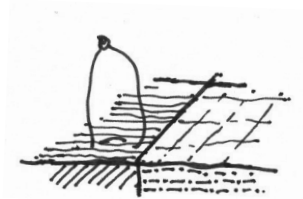


GARDEN AS THE CENTRE OF THE LIBRARY

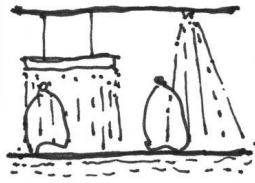
Vacant Heritage - Department Stores V&D's



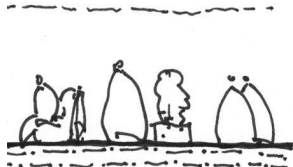
Bridging Social Life - Urban Living Room for Dordrecht



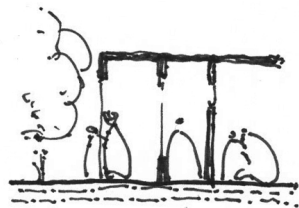
MATERIAL / PAVEMENT



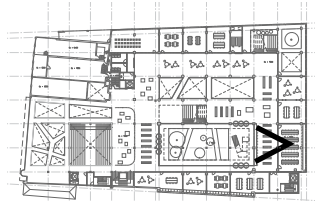
LIGHTING



FURNITURE LAYOUT



SEQUENCE OF SPACE



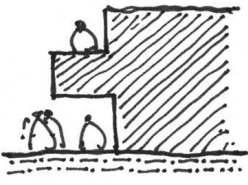
Vacant Heritage - Department Stores V&D's



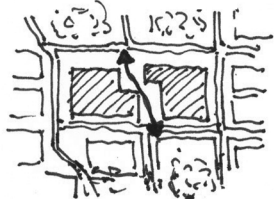
Bridging Social Life - Urban Living Room for Dordrecht



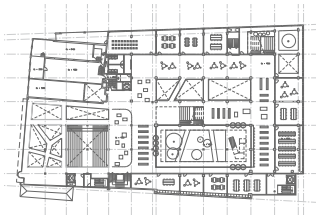
GREEN ROOF



SET UP PLINTH+BALCONY

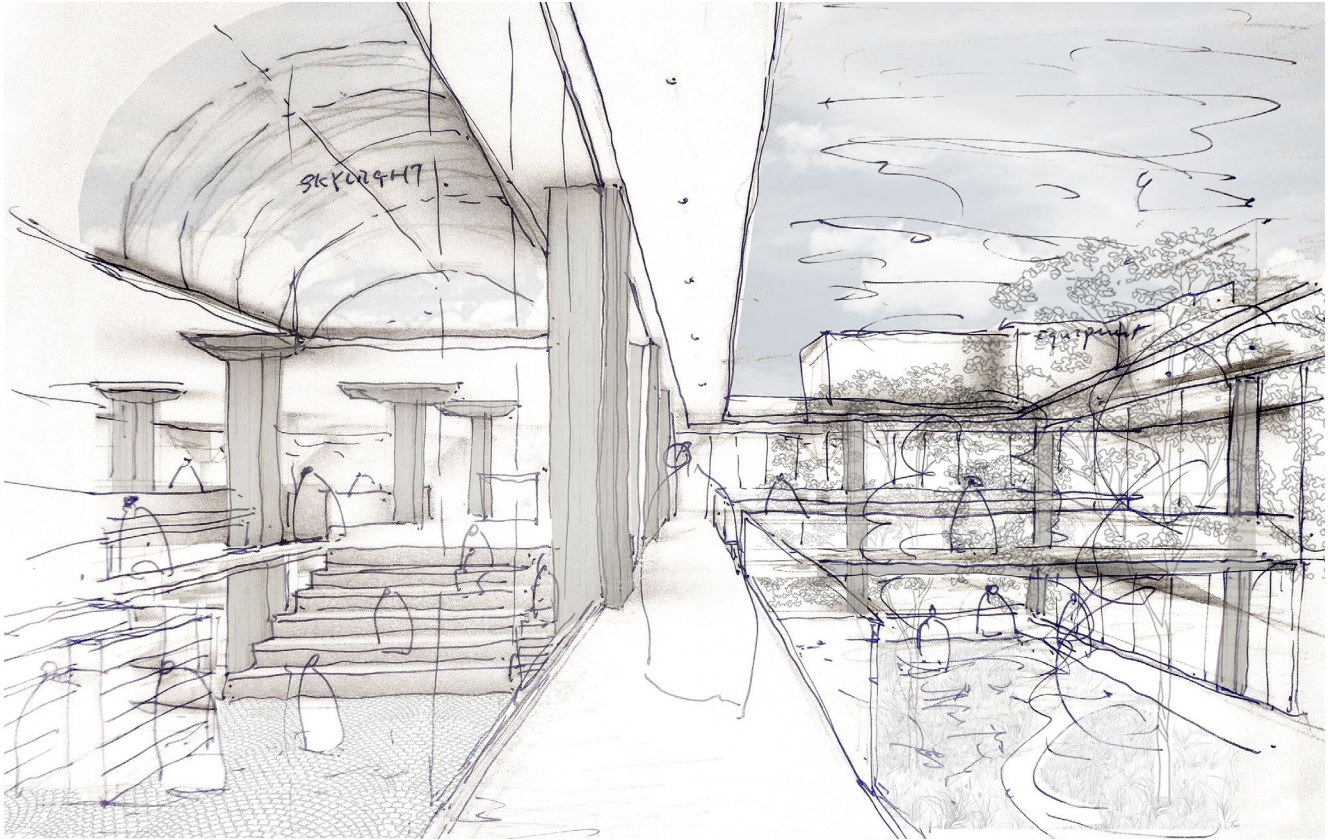


INTEGRATE WITH URBAN ROUTING



AERIAL VIEW

Vacant Heritage - Department Stores V&D's



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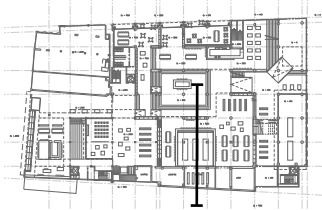
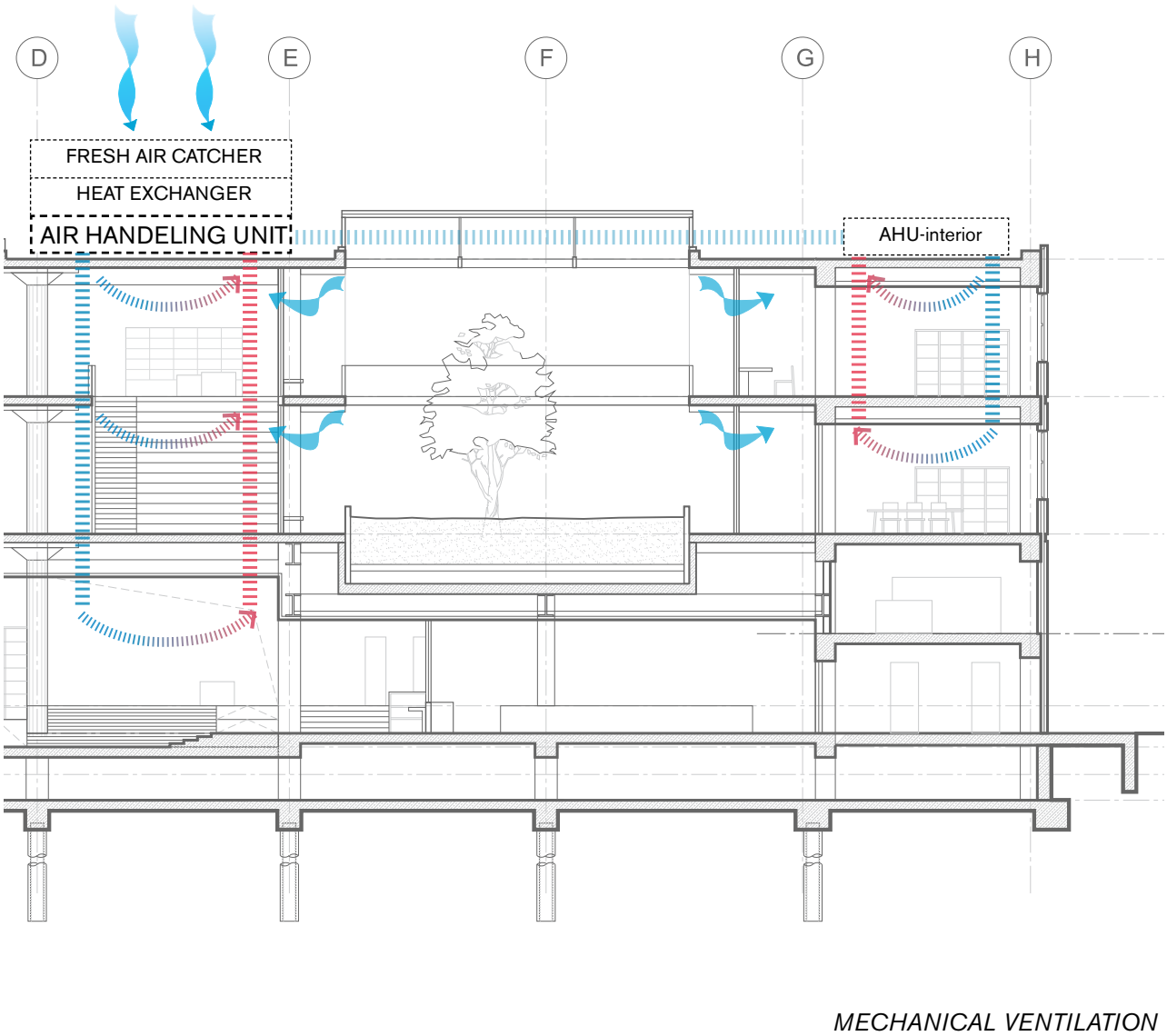
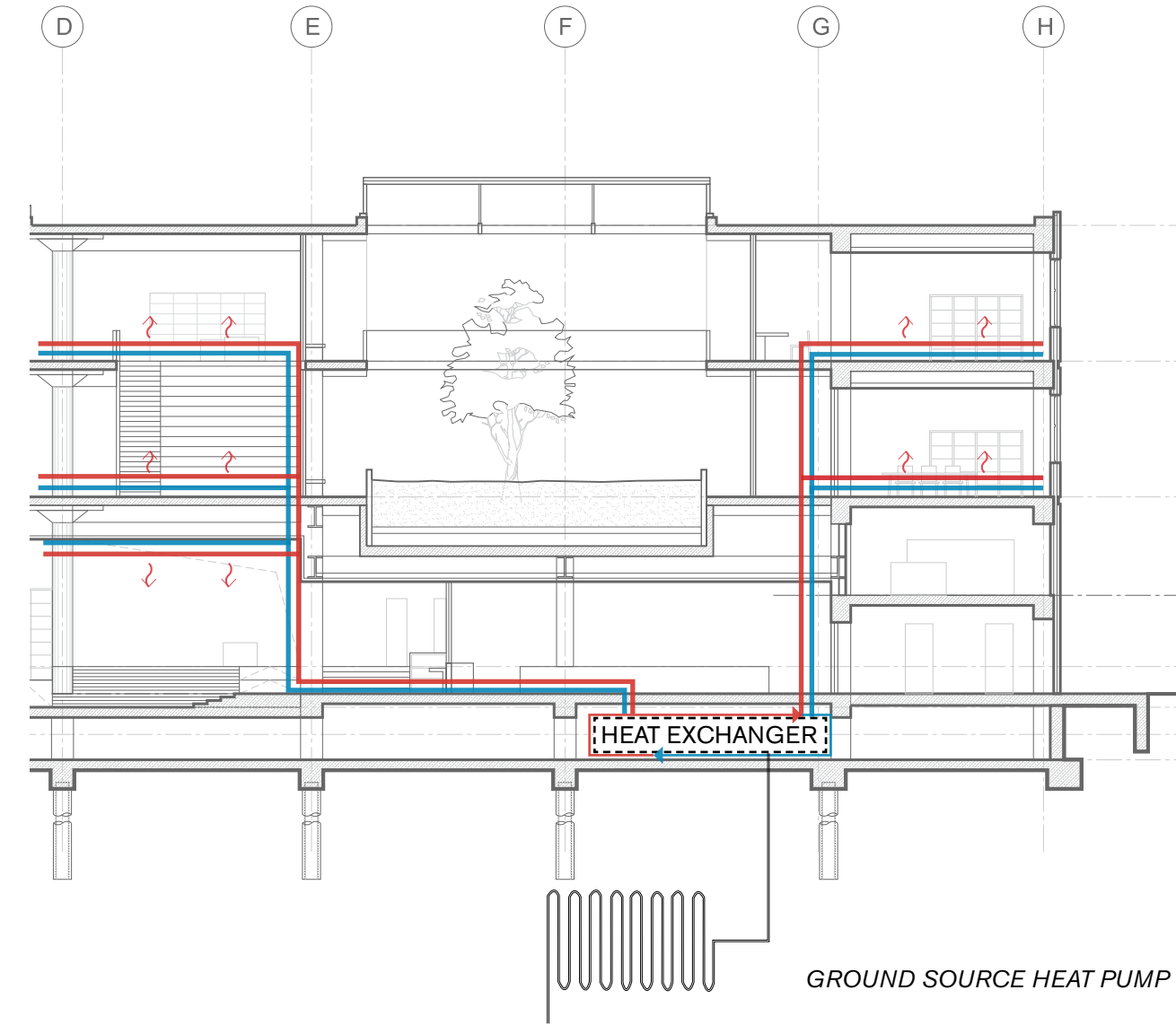
CHAPTER 4.

— **CLIMATE DESIGN** —
zoning/system choice/summer+winter

Vacant Heritage - Department Stores V&D's

Bridging Social Life - Urban Living Room for Dordrecht

- HEATING& COOLING PIPE
- MECHANICAL VENTILATION
- NATURAL VENTILATION
- WATER COLLECTION



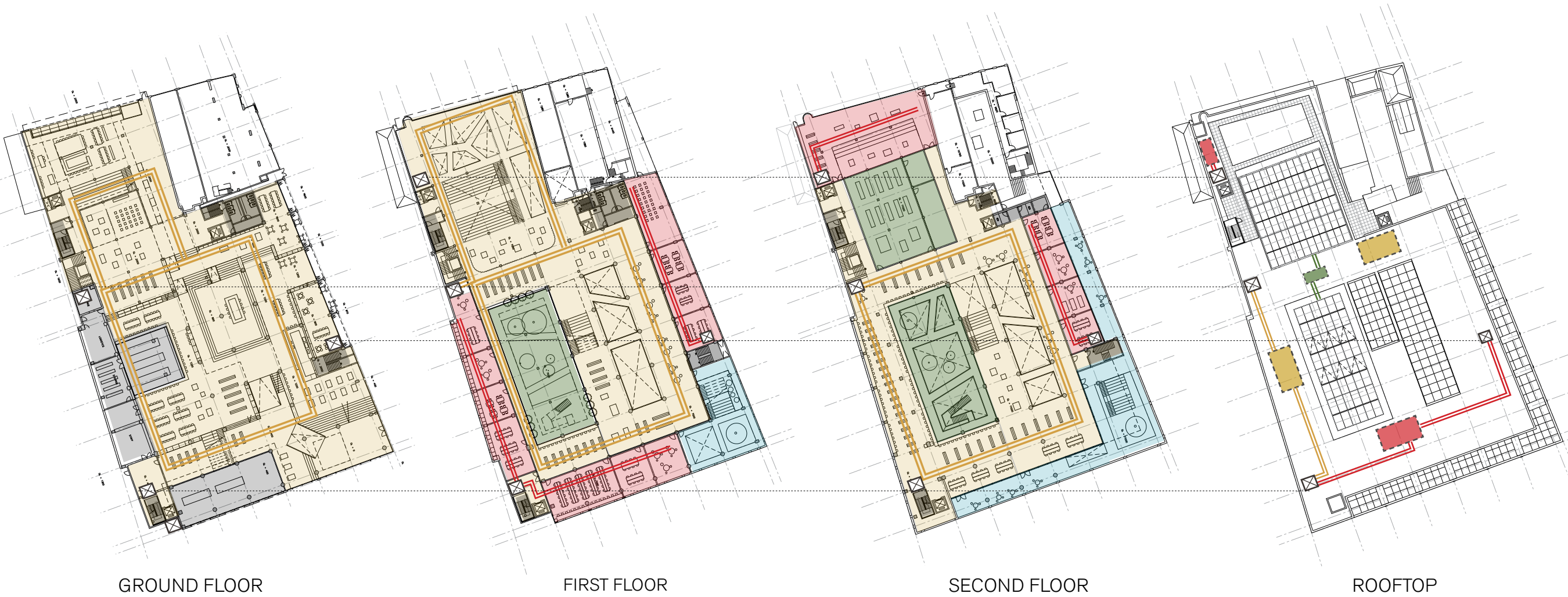
SYSTEM SELECTION

Vacant Heritage - Department Stores V&D's

- INTERMEDIATE CLIMATE
- INTERIOR CLIMATE
- GREEN HOUSE CLIMATE
- EXTERIOR CLIMATE
- SERVICE & FACILITIES
- VENTILATION DUCT

N

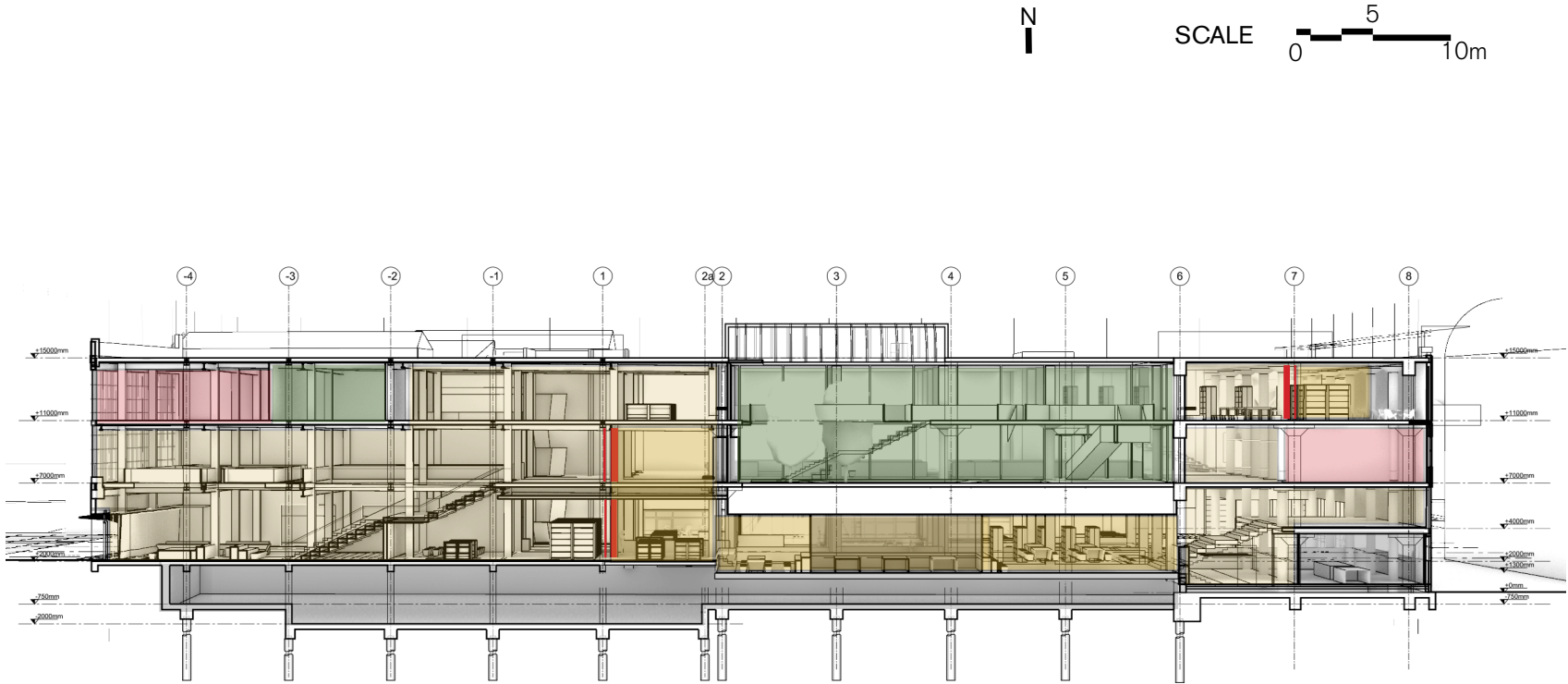
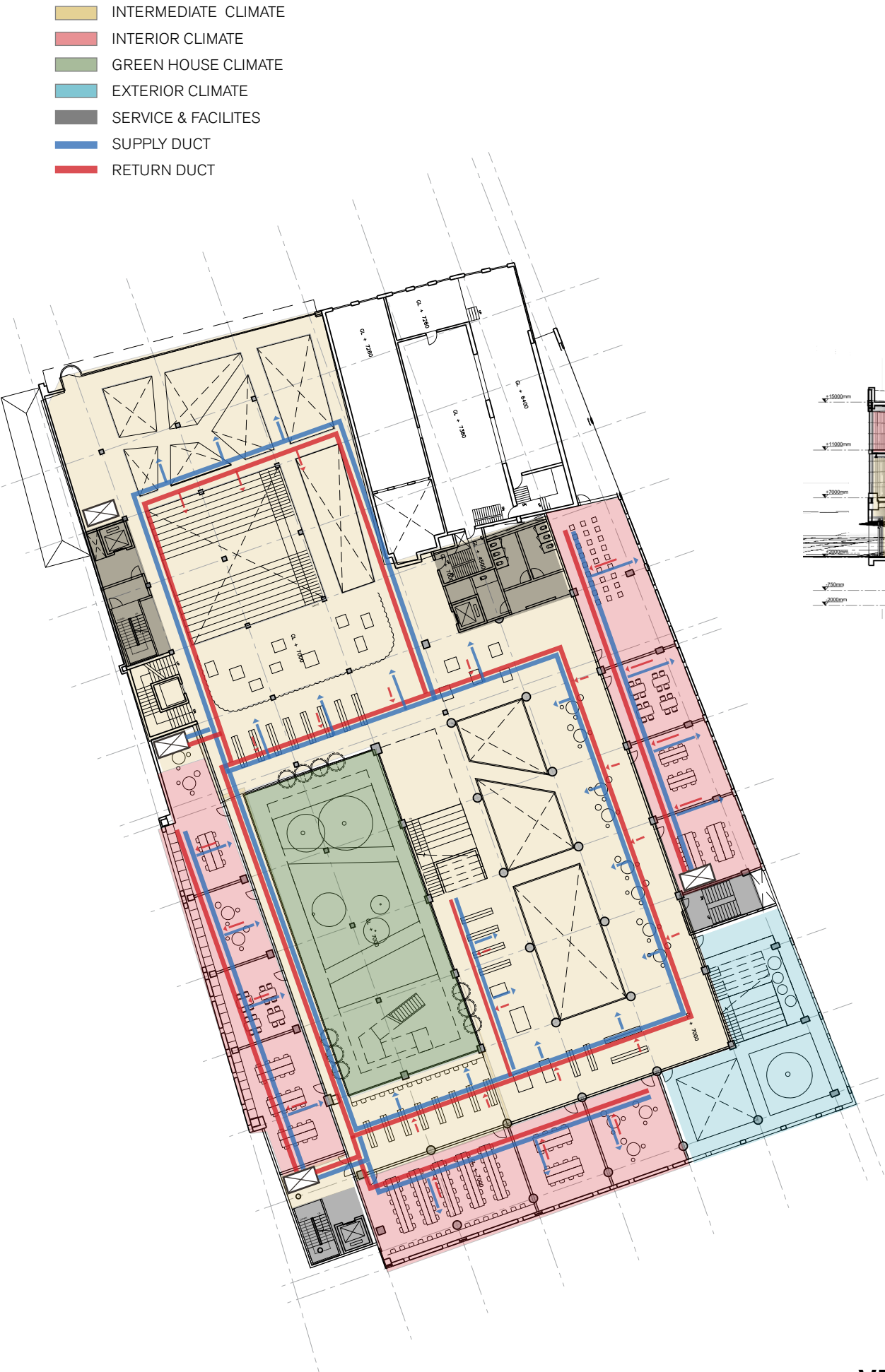
SCALE 0 10 20 m



Bridging Social Life - Urban Living Room for Dordrecht

CLIMATE ZONING

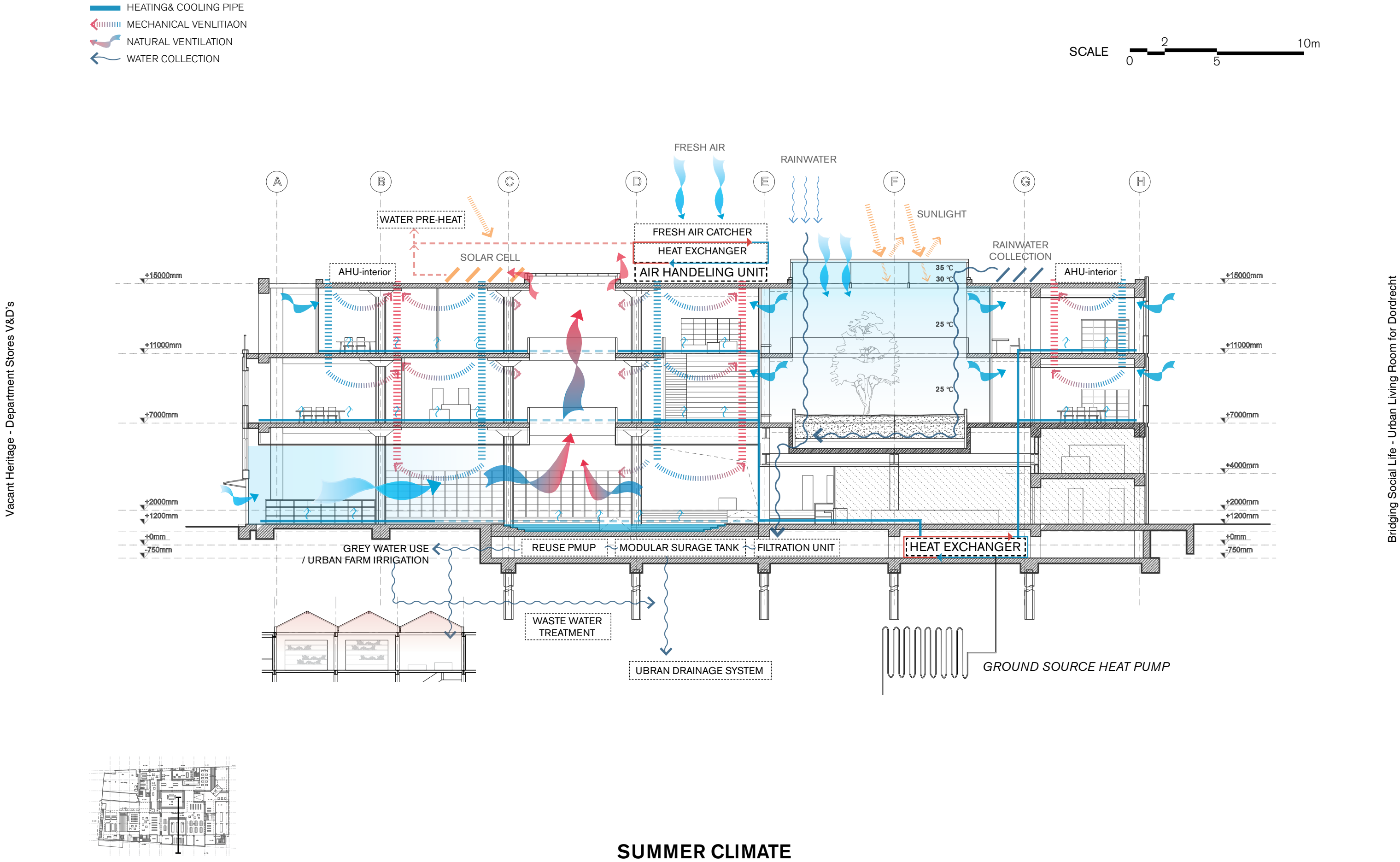
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

VENTILATION DUCT

Textielmuseum. (2019). Textile curtain walls LocHal Tilburg - Inside Outside. TextielMuseum | TextielLab



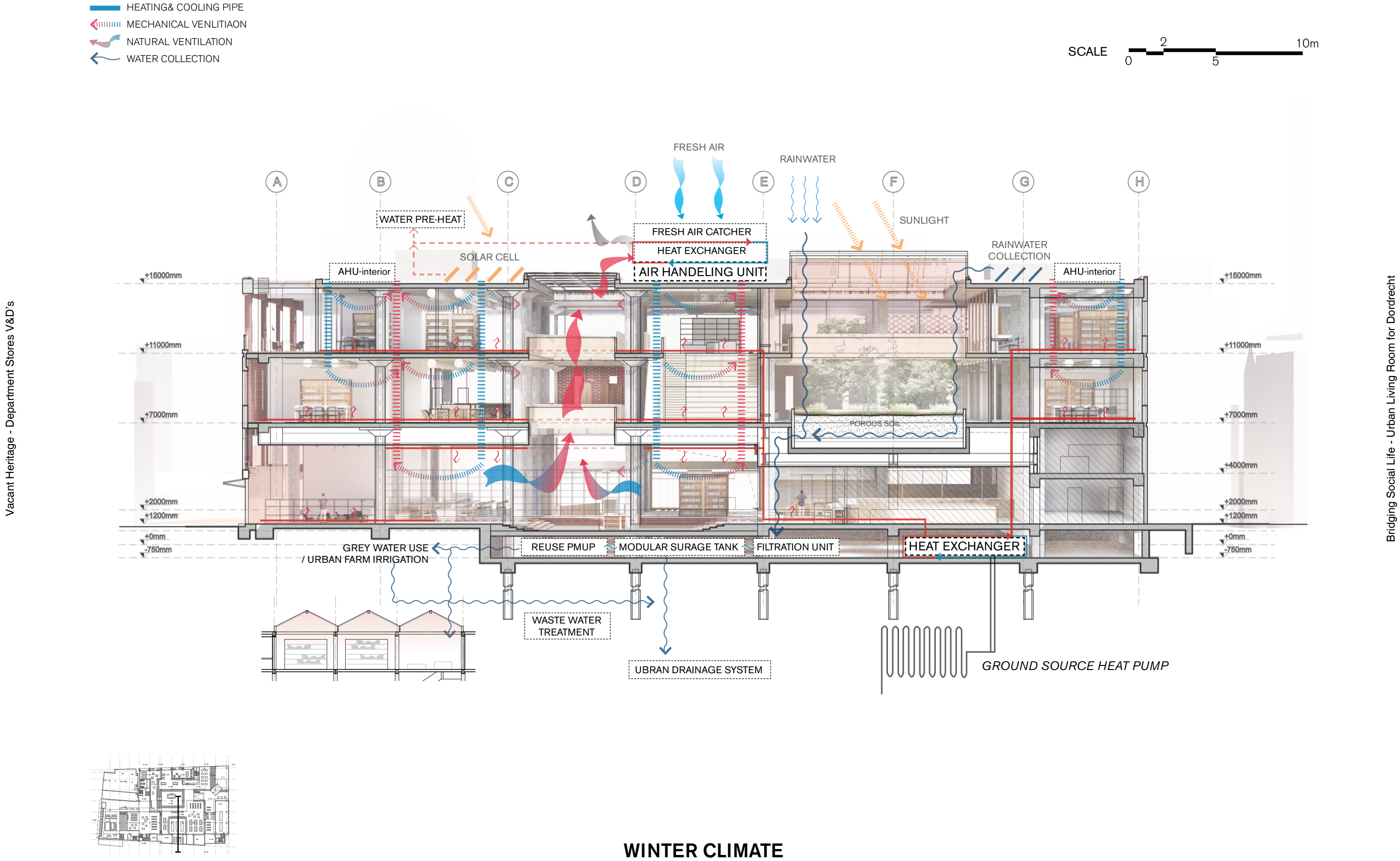


Diagram illustrating the winter climate adaptation and sustainable design of the building, showing various systems and components.

Key components and systems shown:

- HEATING& COOLING PIPE
- MECHANICAL VENTILATION
- NATURAL VENTILATION
- WATER COLLECTION
- WATER PRE-HEAT
- SOLAR CELL
- FRESH AIR CATCHER
- HEAT EXCHANGER
- AIR HANDLING UNIT
- RAINWATER
- SUNLIGHT
- RAINWATER COLLECTION
- AHU-interior
- POROUS SOIL
- GREY WATER USE / URBAN FARM IRRIGATION
- REUSE PMUP
- MODULAR SURAGE TANK
- FILTRATION UNIT
- HEAT EXCHANGER
- WASTE WATER TREATMENT
- UBRAN DRAINAGE SYSTEM
- GROUND SOURCE HEAT PUMP

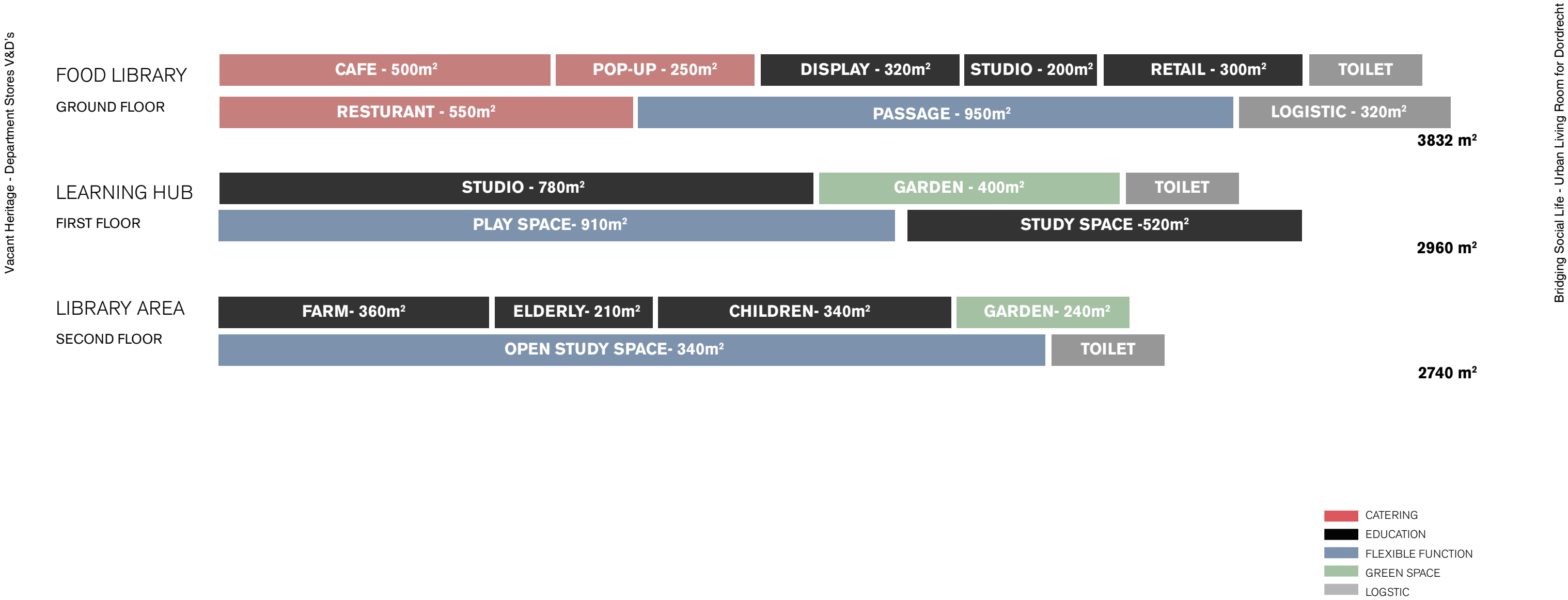
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

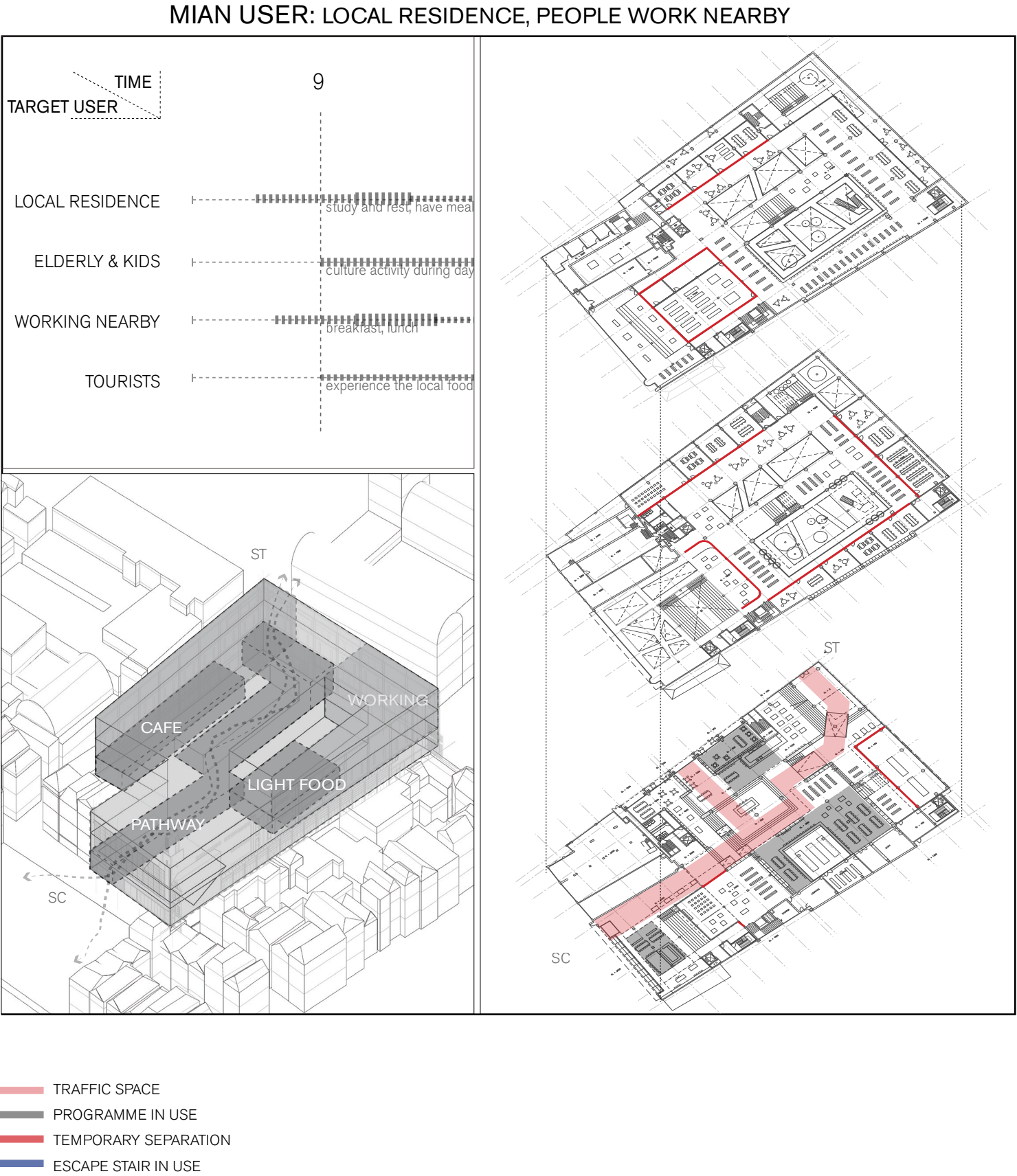
FINAL CHAPTER

SUMMARIZE AND REFLECT
daily use / research to design

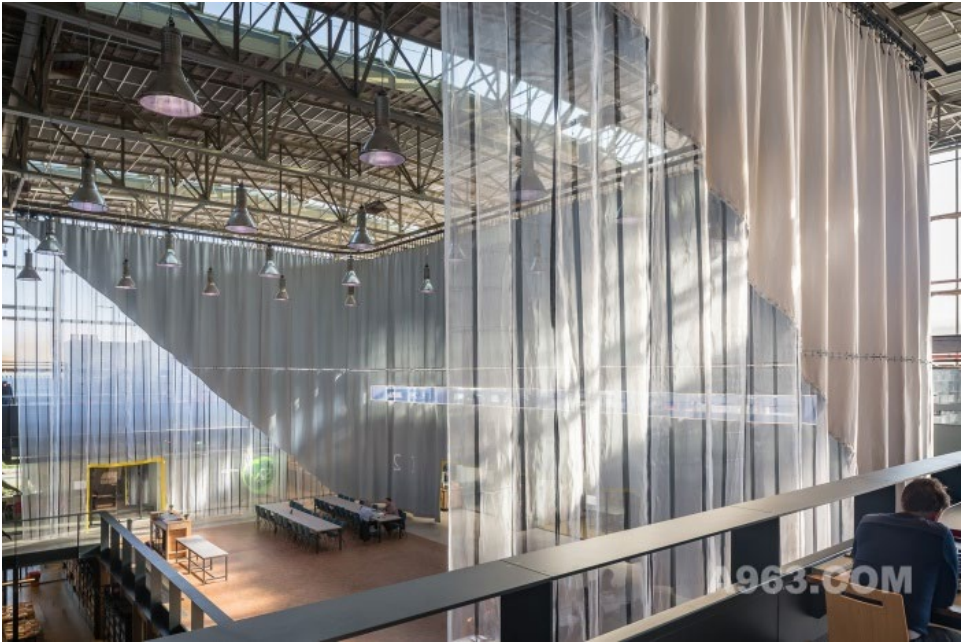
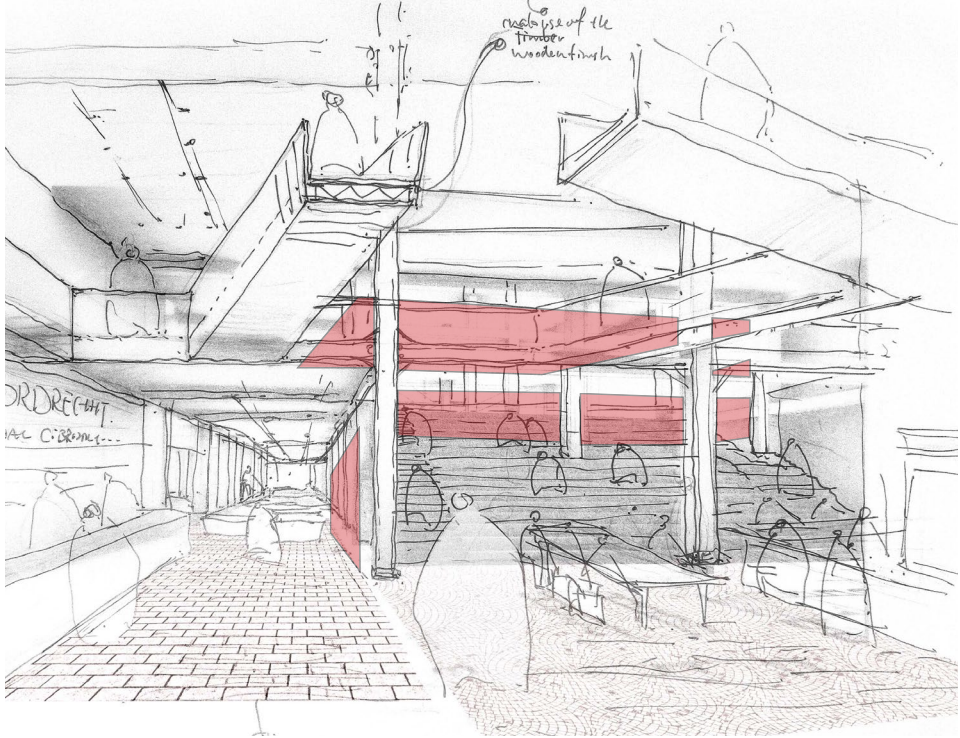


FLOOR AREA OF DIFFERENT PROGRAMME

Vacant Heritage - Department Stores V&D's



20% OPENNESS



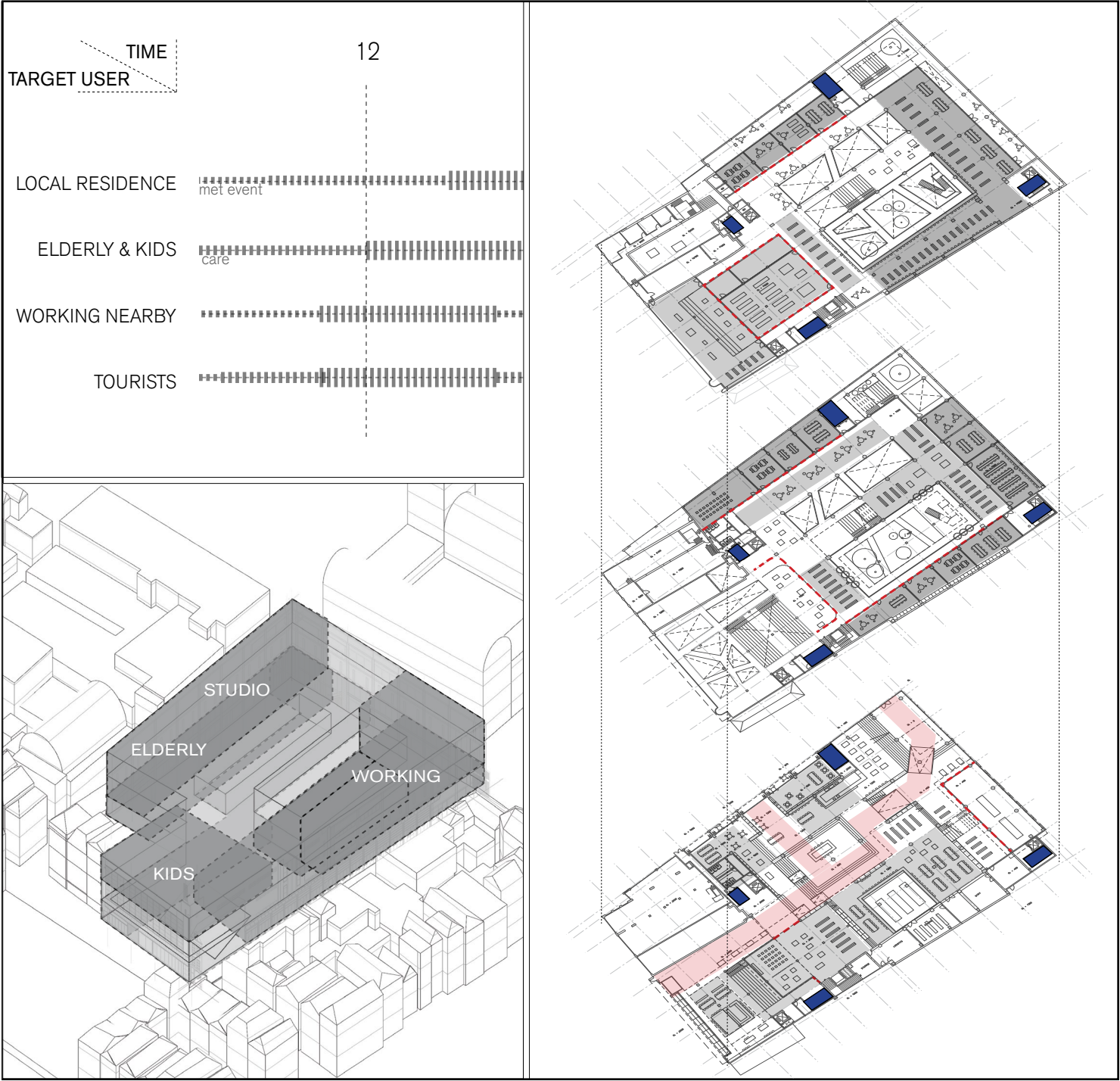
TEXTILE CURTAIN WALL / adjust on ventilation, sunlight, noise and visual separation

Bridging Social Life - Urban Living Room for Dordrecht

ADMINISTRATION - BEFORE 9AM.

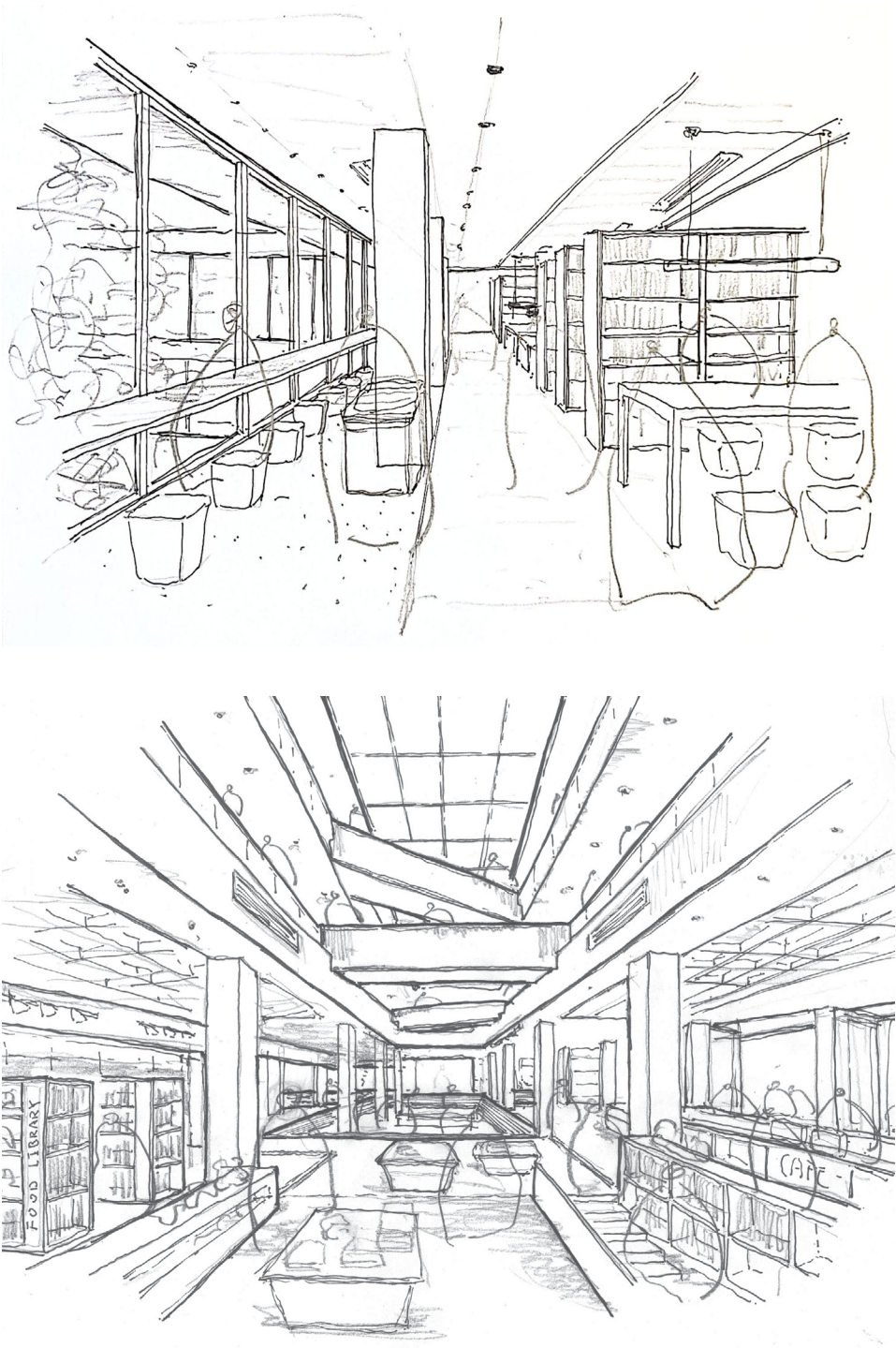
Textielmuseum. (2019). Textile curtain walls LocHal Tilburg - Inside Outside. TextielMuseum | TextielLab

MIAN USER: PEOPLE WORK NEARBY, ELDERLY, CHILDREN



- TRAFFIC SPACE
- PROGRAMME IN USE
- TEMPORARY SEPARATION
- ESCAPE STAIR IN USE

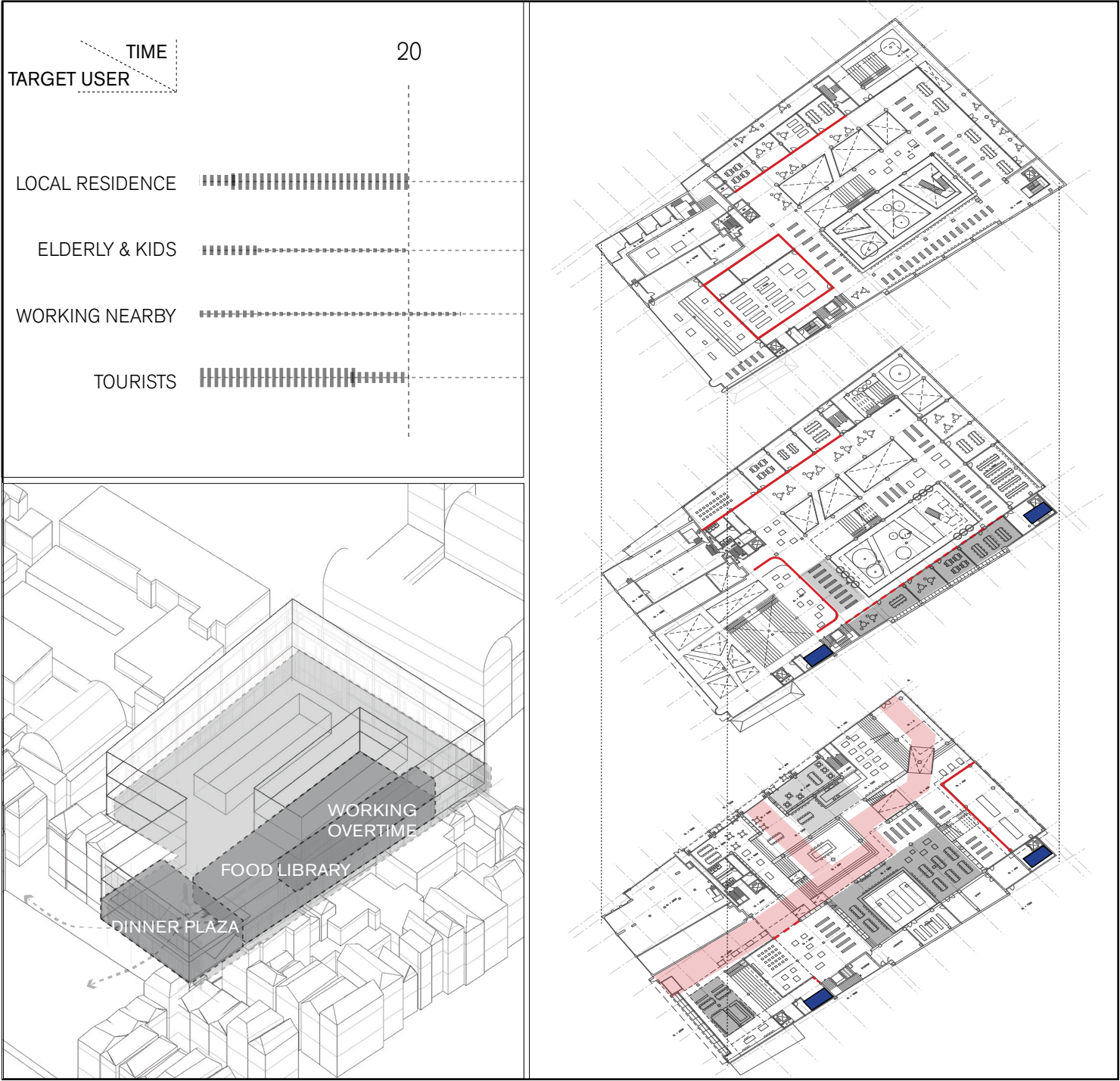
100% OPENNESS



ADMINISTRATION - DAYTIME.

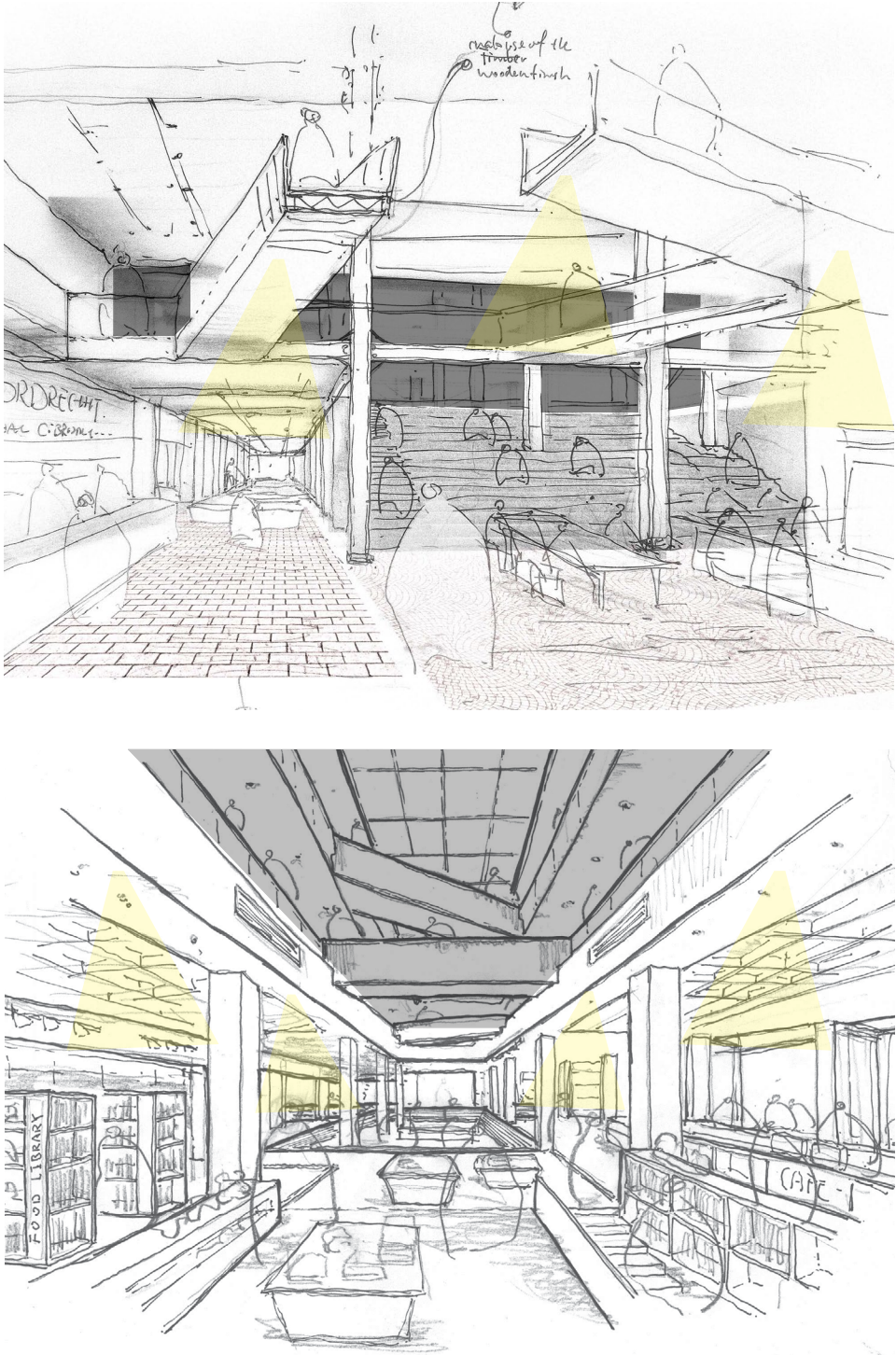
MIAN USER: LOCAL RESIDENCE, OVERTIME WORKER

Vacant Heritage - Department Stores V&D's



- TRAFFIC SPACE
- PROGRAMME IN USE
- TEMPORARY SEPARATION
- ESCAPE STAIR IN USE

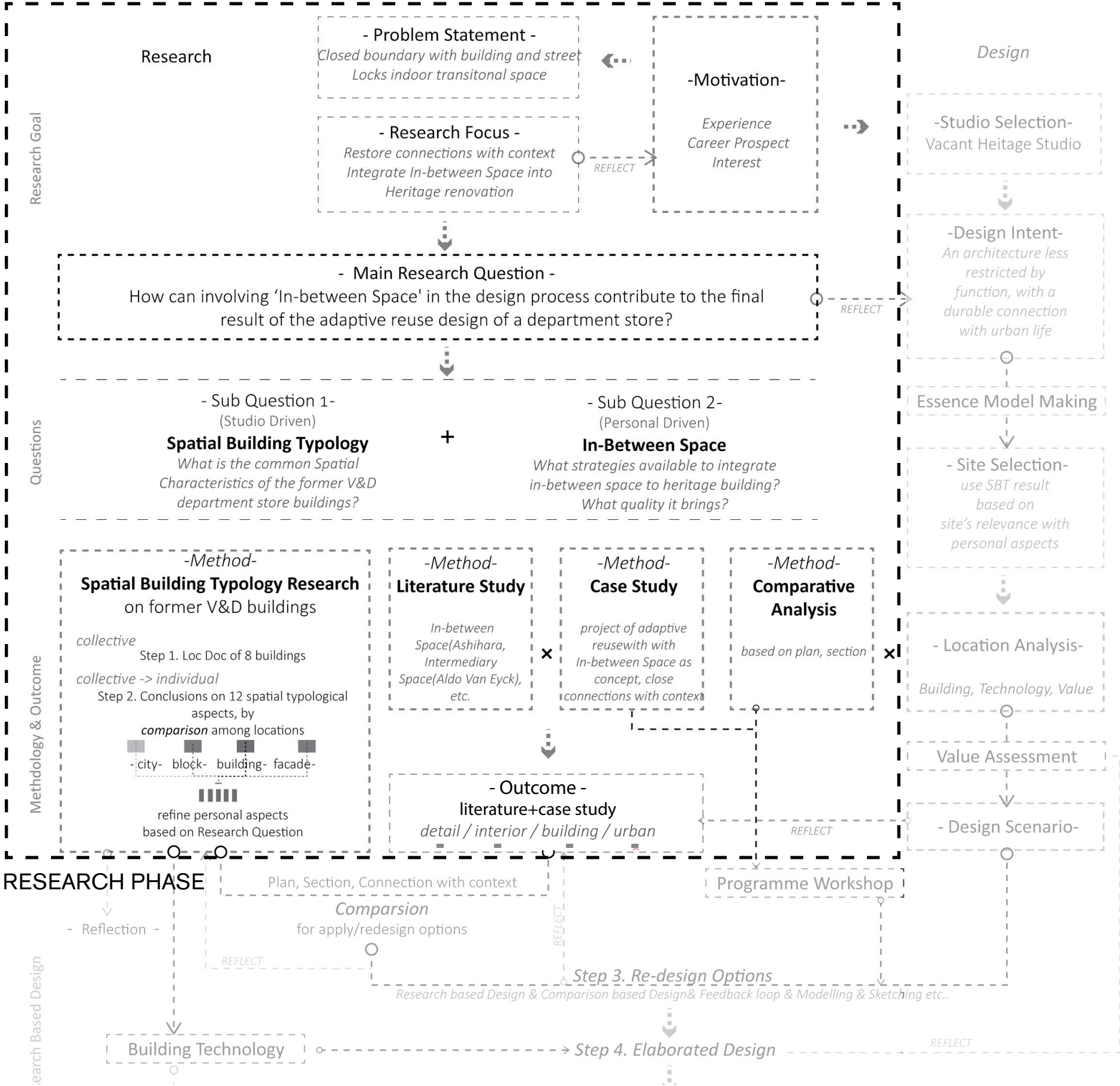
30% OPENNESS



Bridging Social Life - Urban Living Room for Dordrecht

ADMINISTRATION - AFTER 6PM.

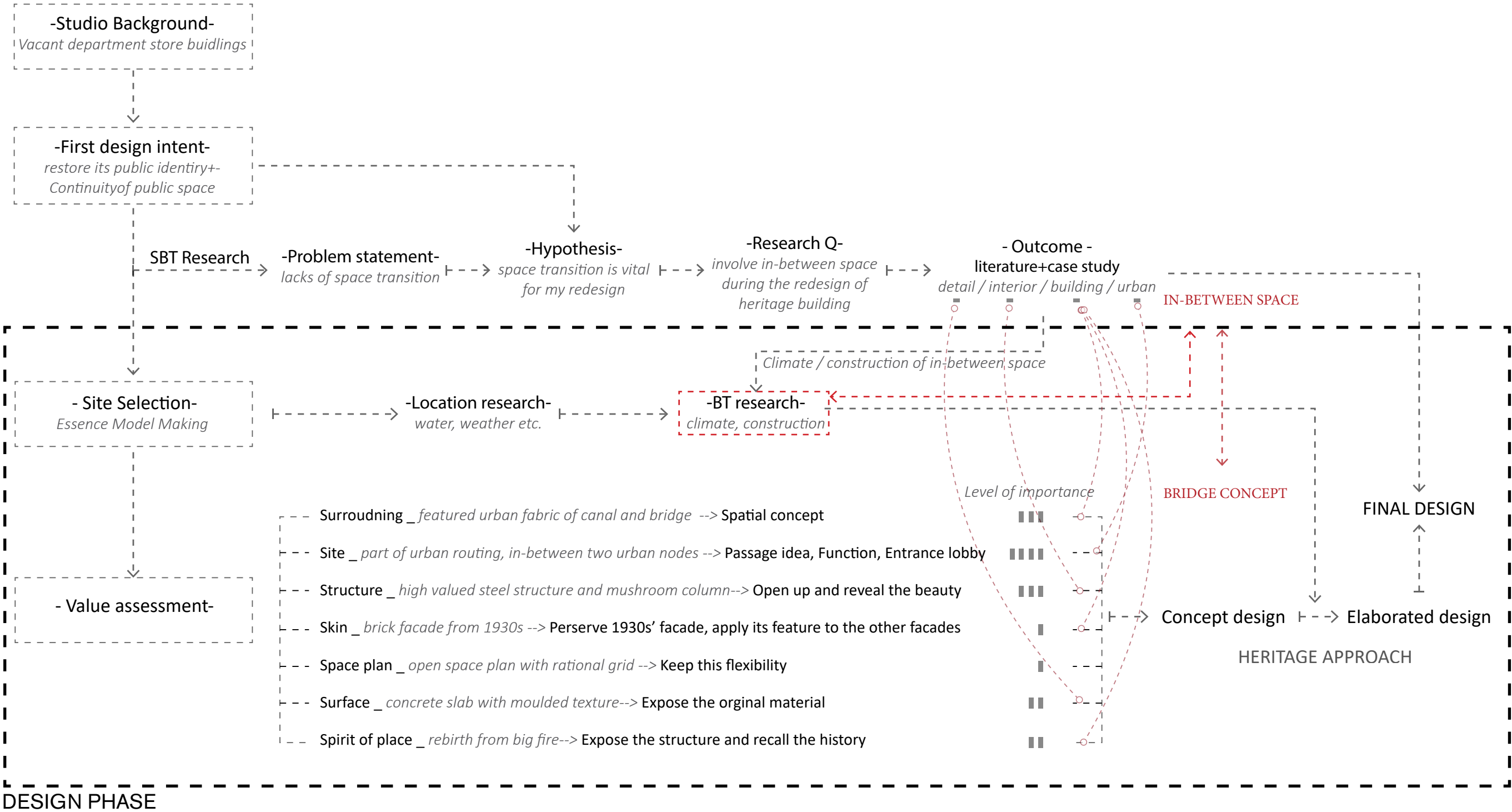
Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

RESEARCH TO DESIGN DIAGRAM

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

REFLECTION
research - design - building technology

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

bridge concept / expose the structure / strengthen the value / one general redesign strategy

HERITAGE APPROACH

Vacant Heritage - Department Stores V&D's



Bridging Social Life - Urban Living Room for Dordrecht

vacant department store as a global phenomenon

— WIDER RELEVANCE —

Vacant Heritage - Department Stores V&D's

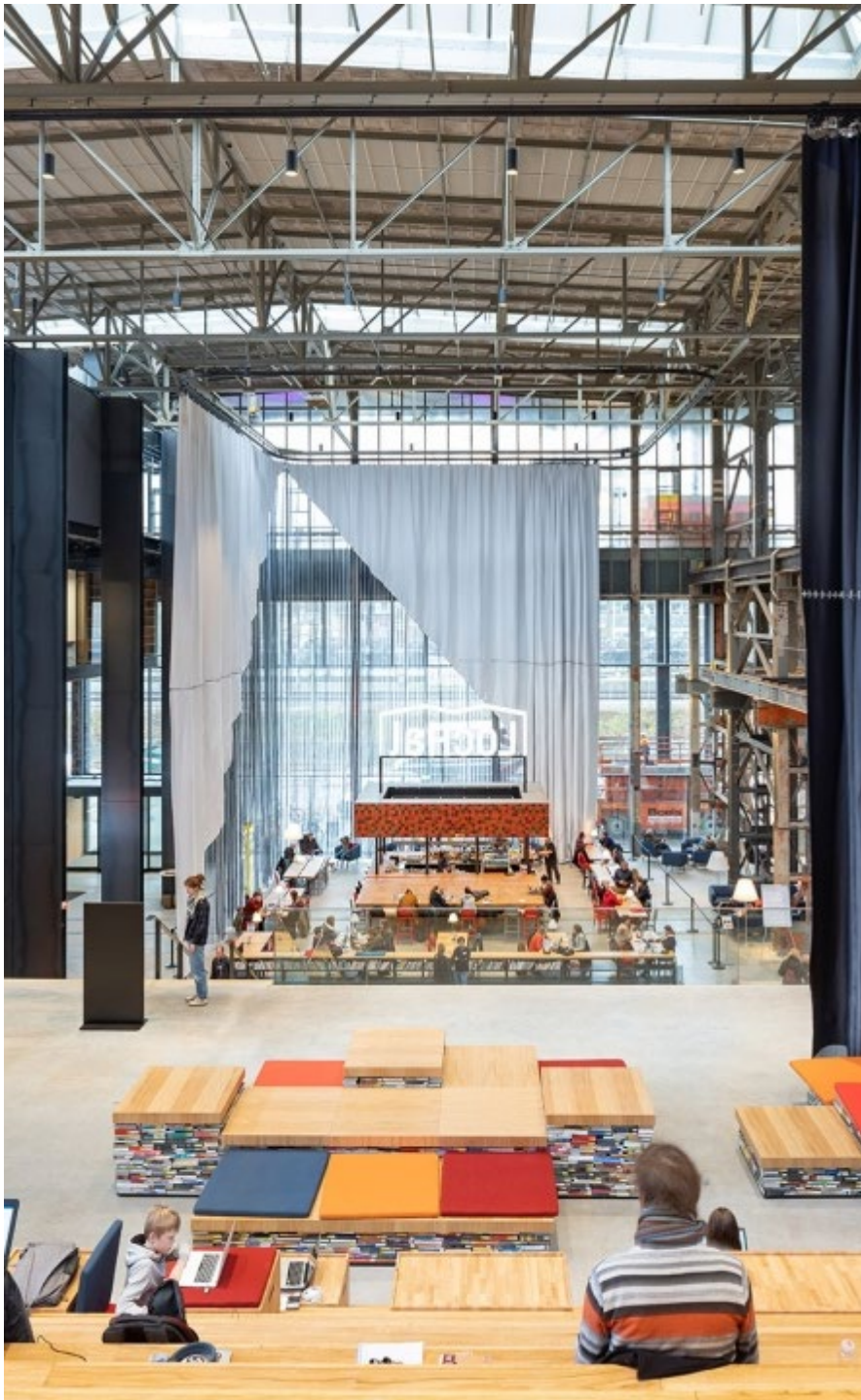


Photo: Lochal Library, by Mecanno, 2018



Photo: Koge culture house, by Cobe Architects, 2013



Photo: M&CMAA, by BIG, 2019

Bridging Social Life - Urban Living Room for Dordrecht

the uprising tide of Uban Living Room

WIDER RELEVANCE

Drawing: Suzhou's Golden Age, drawing 1225*35.8 cm, by Y Xu, Qing dynasty, 1759



Vacant Heritage - Department Stores V&D's



Photo: Shantang street, photo by Wenidon, 2019

Bridging Social Life - Urban Living Room for Dordrecht

using urban fabric as a main design language

WIDER RELEVANCE



Dank u wel! 感谢! Thank you!