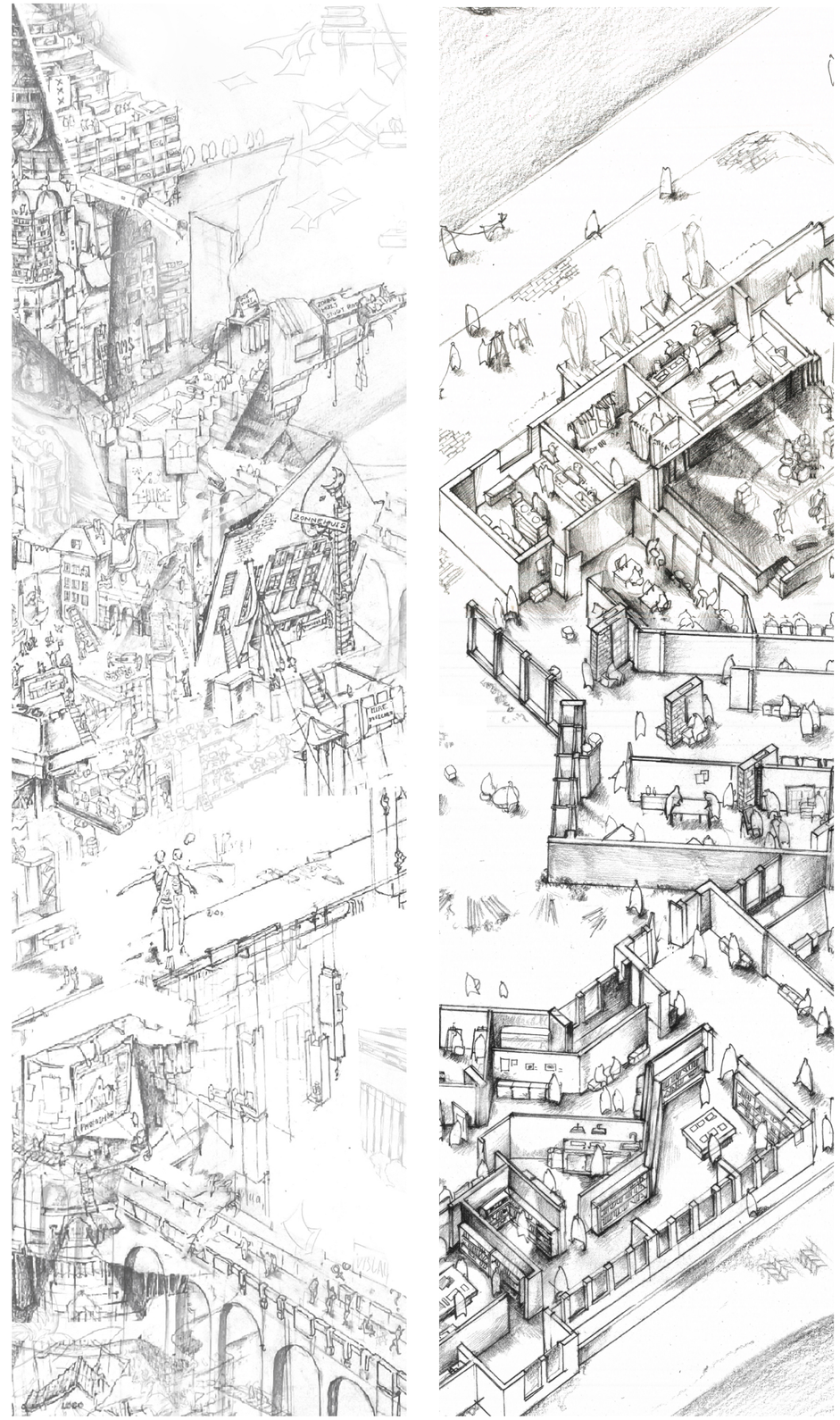
Zonnehuis Reimagined:
A Spatial Negotiation of The Monument

Heritage Architecture_AR3AH105
Anan Tian_ 5930170

01: Positioning
02: Heritage Values
03: Current Issues
04: The Renovation



'' Reclaim the monument as an everyday civic platform where both authorized and everyday lifes can coexist and interact.''



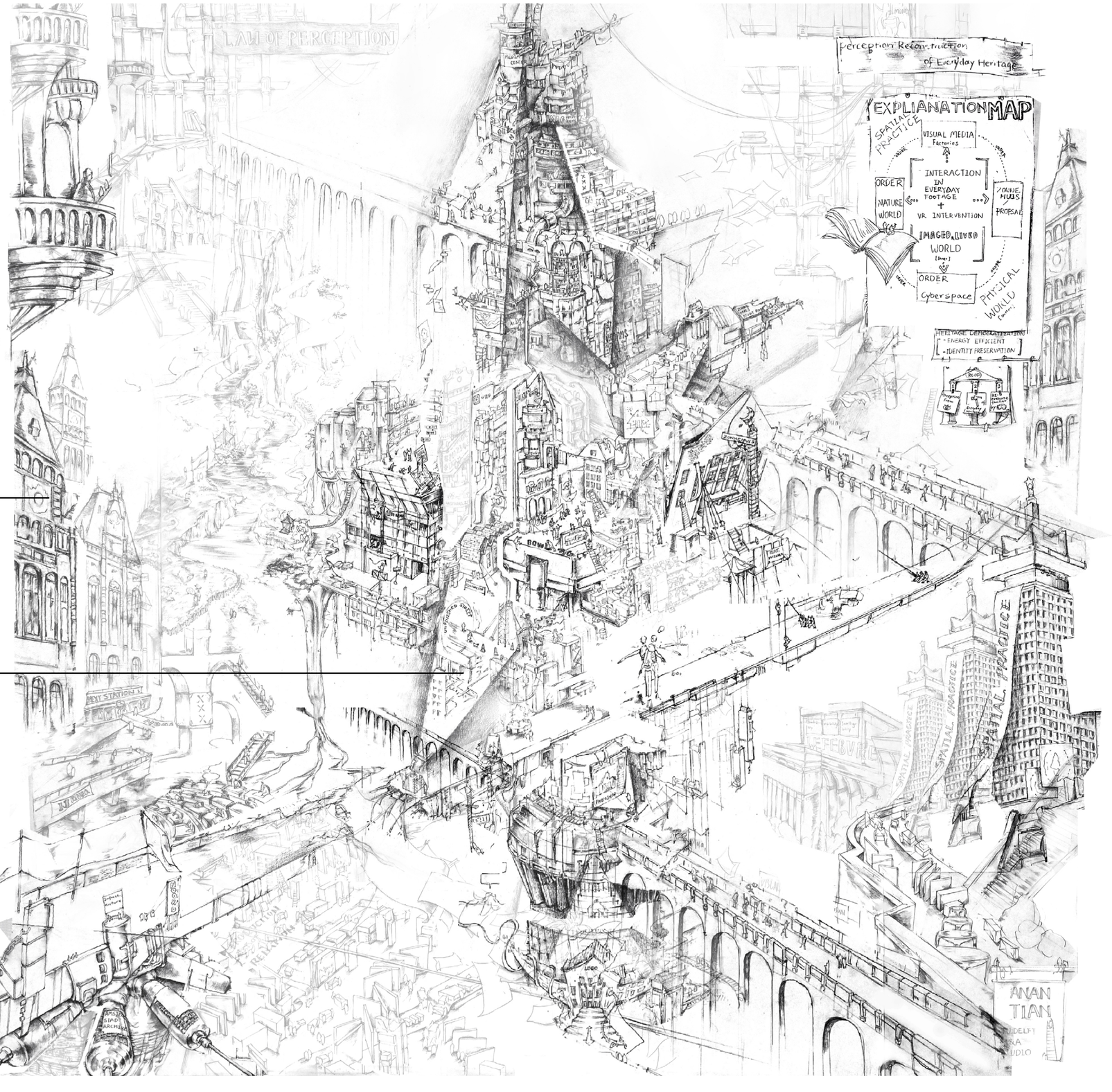
01 Positioning:
The Authorized Experience vs. The Everyday Experience

Positioning:

Social Practice of The Authorized *vs* The Everyday Experience

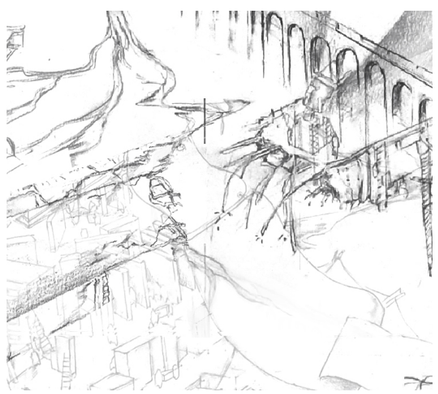
authorized practice

everyday experience









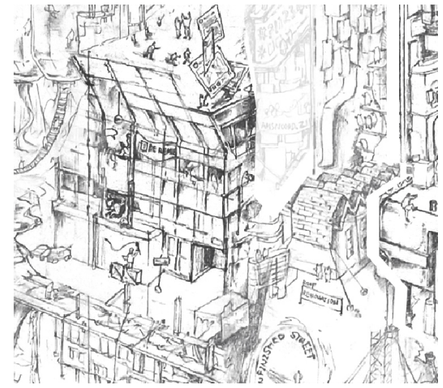
How The Diversity of

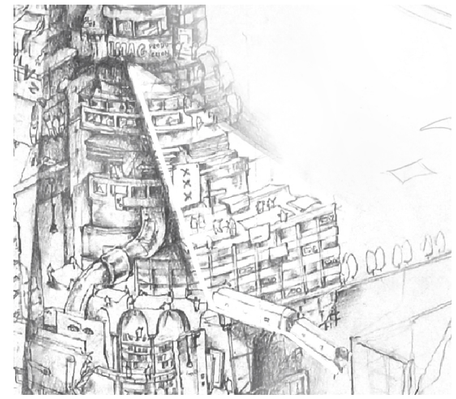
The Everyday and **The Authorized** Context

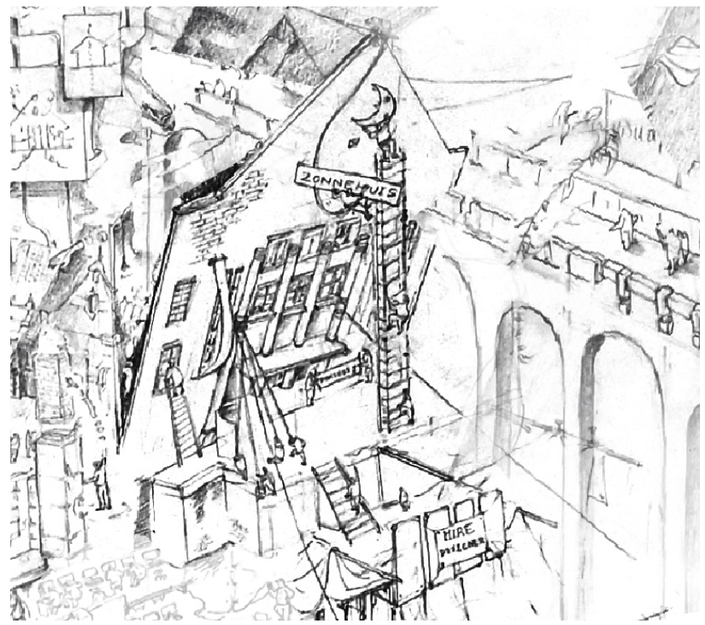
of The Architecture Can Be Reflected Through Space?

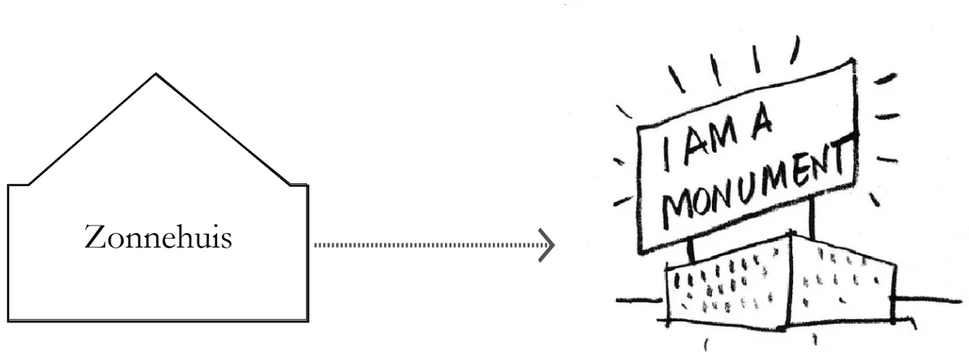
How Do They **Coexist** As An Everyday Civic

Platform For **Democratic Participation**?









02 The Heritage Value:

The value of Zonnehuis as a monument & Theoretical Framework

Zonnehuis and Heritage Evaluation Framework



(in 2019)





(in 1935)



(in 1980s)

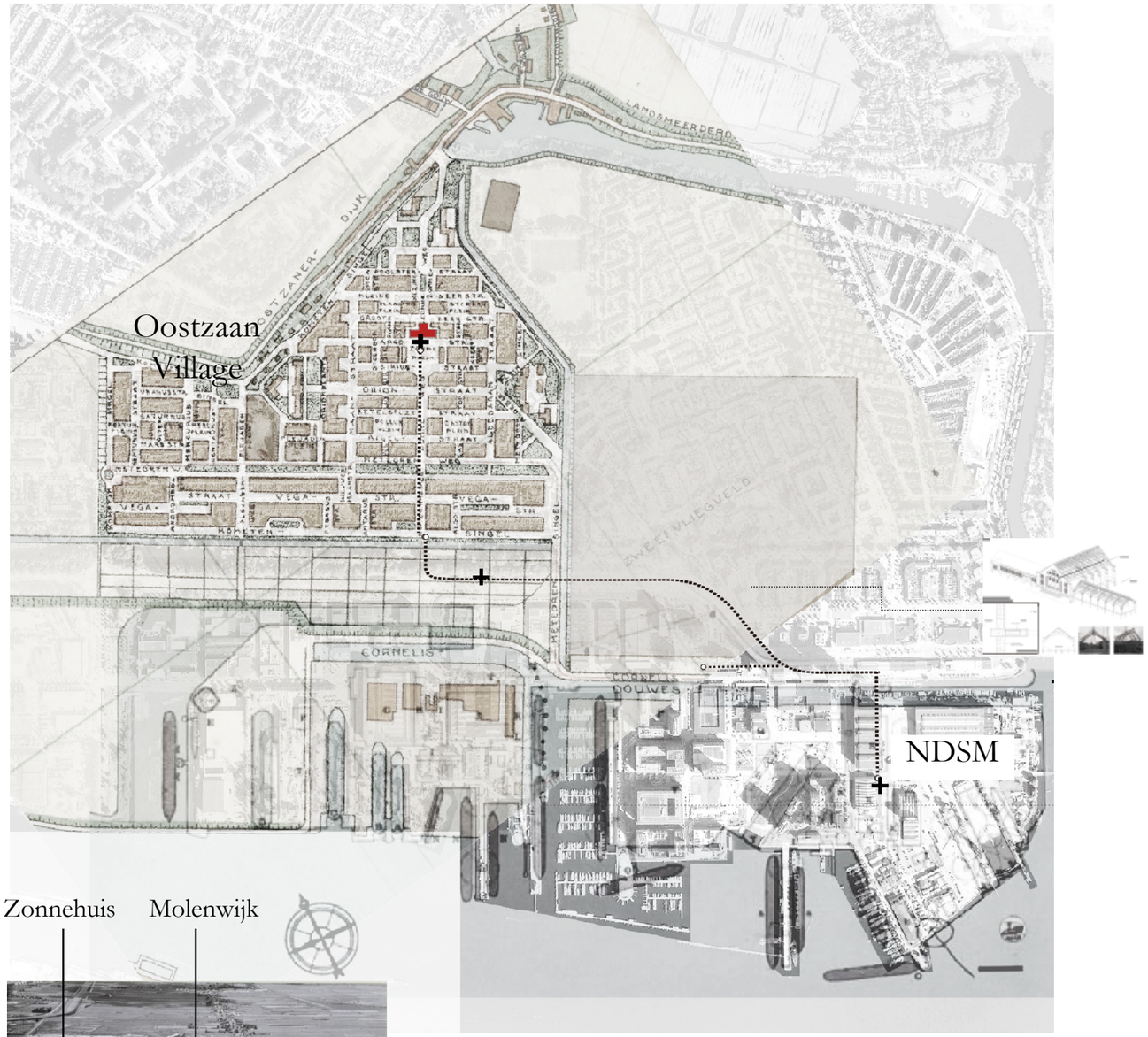


BRAND + / RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]							
SITE							
SKIN (exterior)							
STRUCTURE							
SPACE PLAN							
SURFACES (interior) [+]							
SERVICES							
STUFF							
SPIRIT of PLACE [+]							

Heritage value matrix

Marieke Kuipers and Wessel de Jonge (2017),
Designing from Heritage: Strategies for Conservation and Conversion

Amsterdam North, NDSM, and the working-class





(Amsterdam North in 1969)





NDSM

Flourish of Shipbuilding Industry in 1930-80s

Centralized position in the village





1942



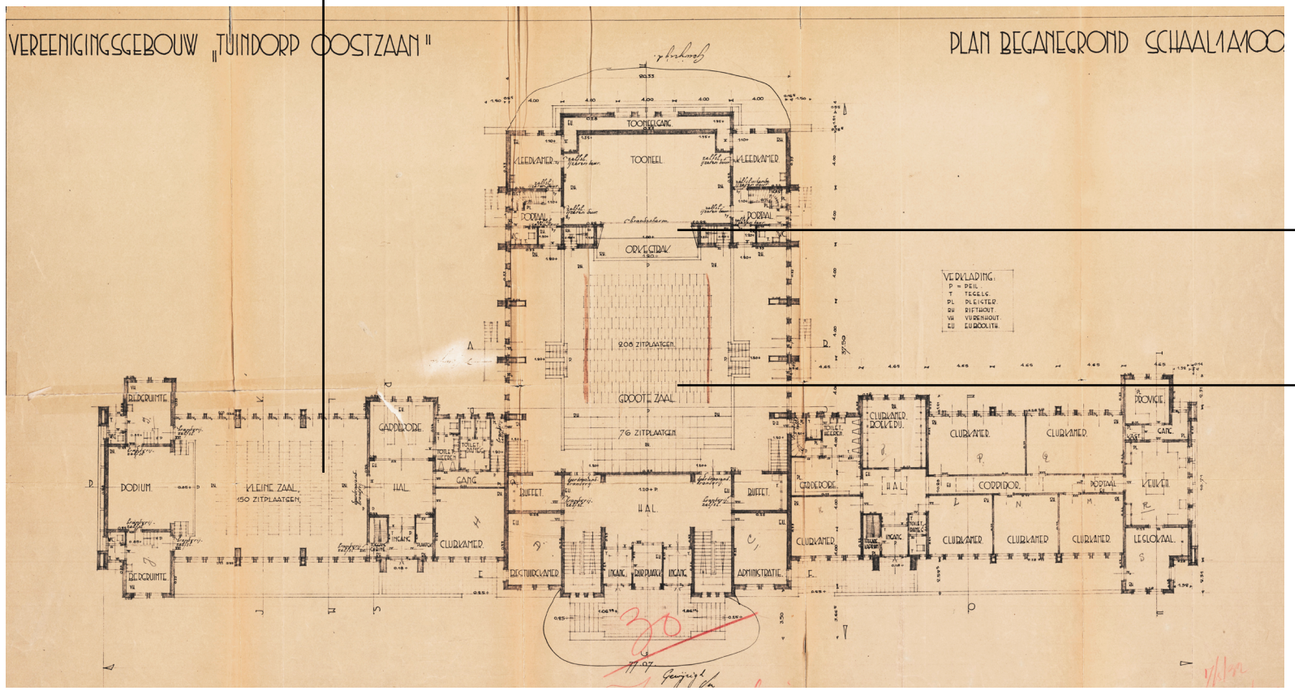
1991



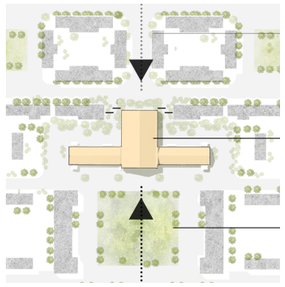
1988

Everyday Life of The Working Class

Existing Plan and Elevation


VERENIGINGSGEBOUW „TUINDORP OOSTZAAN"
PLAN BEGANEGROND SCHAAL 1:100
TOONEELGANG
TOONEEL
KLEEDKAMER
KLEEDKAMER
PODIUM
PODIUM
ORKESTRUIM
VERLADING
P = PEIL
T TEGELS
PL PLEISTER
DU DIETHOUT
VH VERENHOUT
GI GIETIJZER
205 ZITPLAATSEN
GROOTE ZAAL
76 ZITPLAATSEN
GARDEROBE
PODIUM
KLEINE ZAAL
150 ZITPLAATSEN
HAL
GANG
BUFFET
BUFFET
HAL
GARDEROBE
CLUBKAMER
CLUBKAMER
CLUBKAMER

Existing Plan and Elevation







Front Elevation

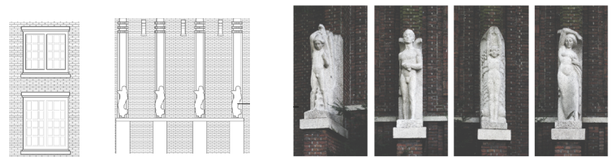


1968



2019





Back Elevation

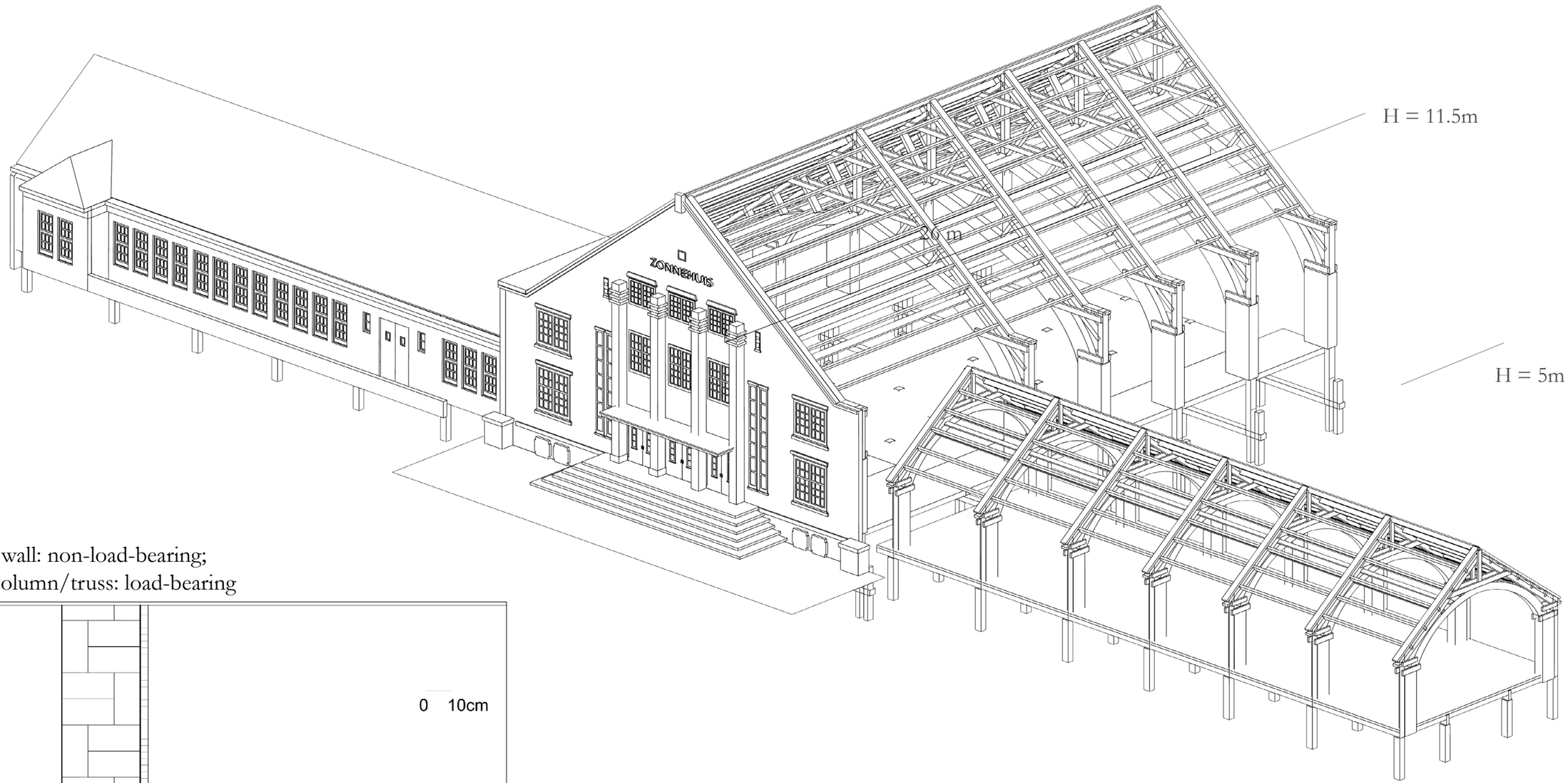


1953

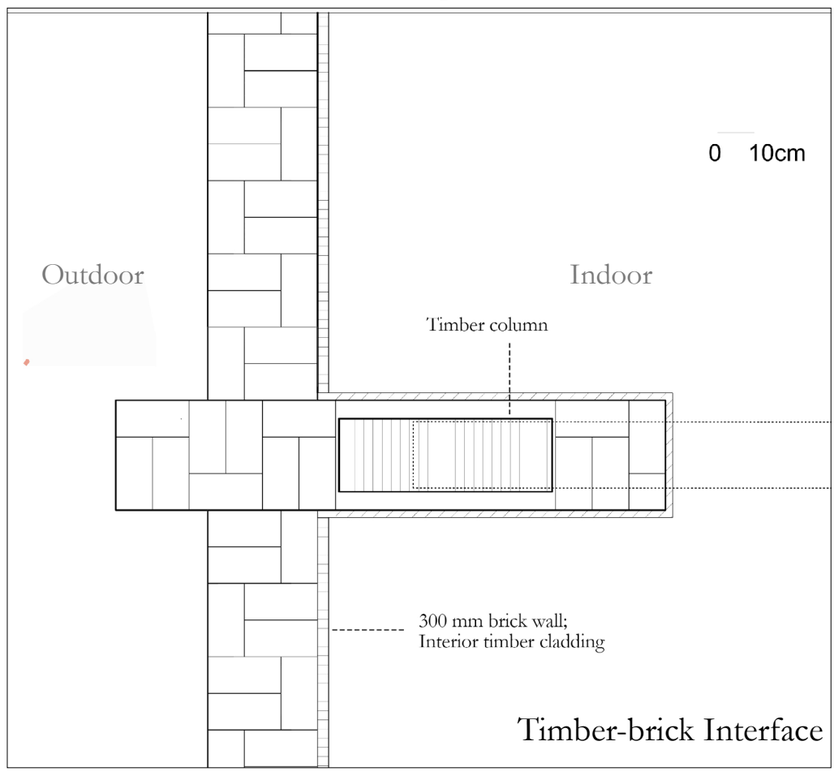


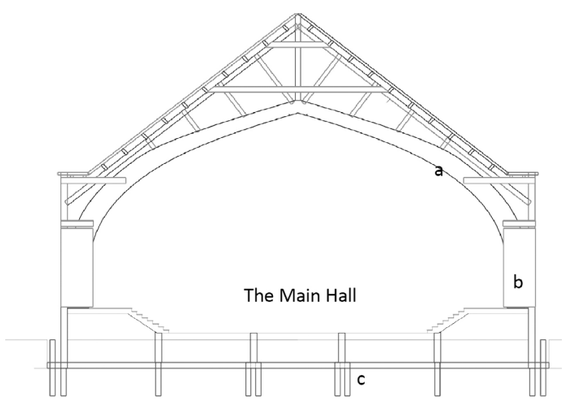
2022

Structure



External wall: non-load-bearing;
Timber column/truss: load-bearing







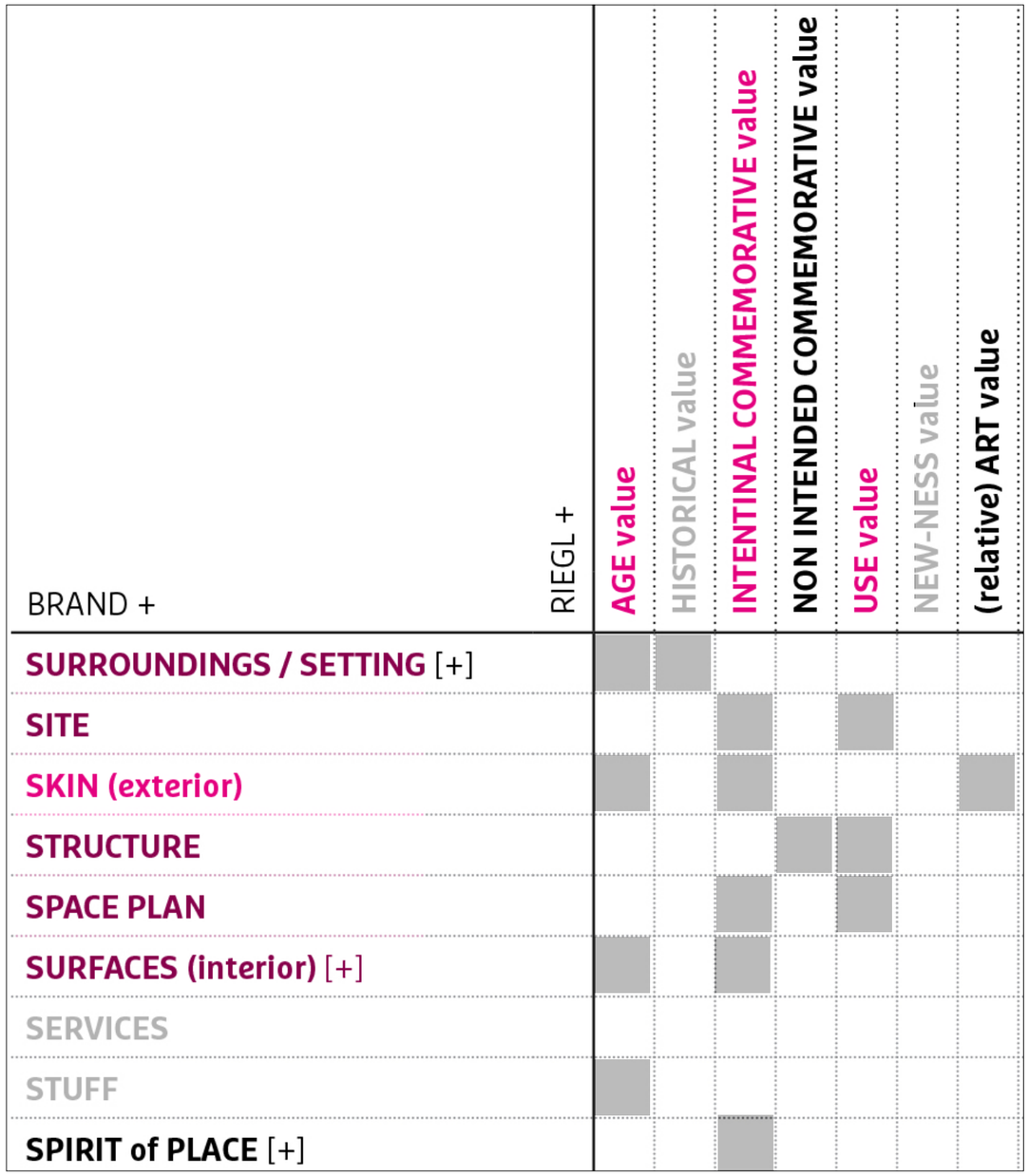
in 1931



in 1931

Reflected Values

Reflected heritage values

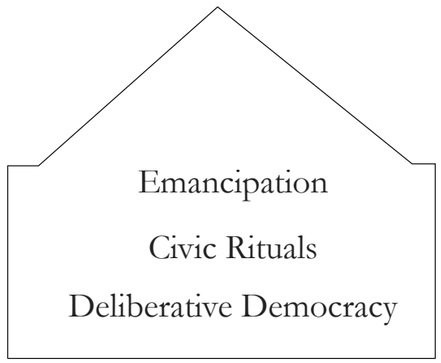


Renovation Principle 1:

As a built heritage,

Skin is the most imporant layer to reflect its hertiage value while the service is not very relevant;

the value of Zonnehuis can be largely expressed by **Age value, Intentional commemorative value** and **Use value**

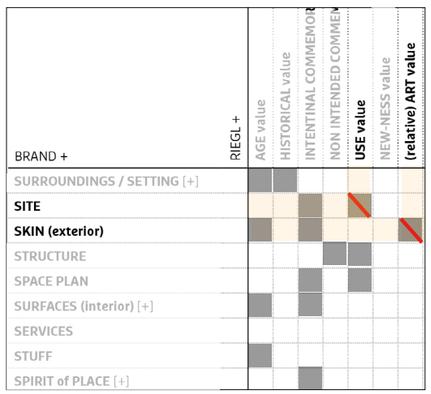


03 Current Issues:

The Authorized Experience vs. The Everyday Experience

1- Increase accessibility and visibility in everyday life interface

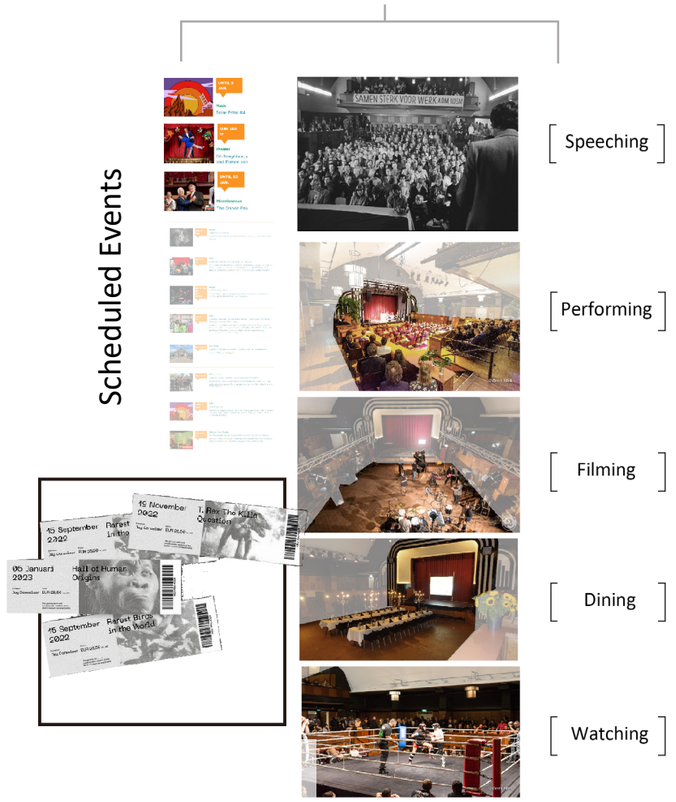


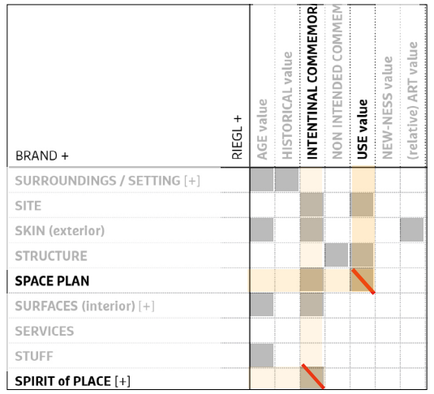


Integration in everyday life interface

The view and access of the rear side in everyday life interface are blocked by vegetations and barriers.

2- Support informal and spontaneous activities



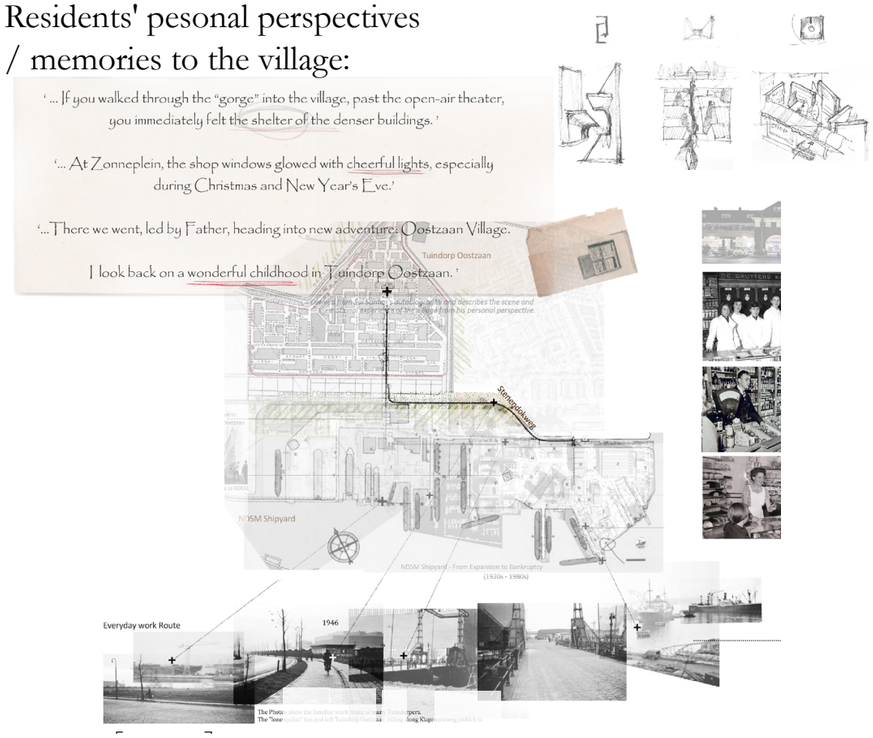


Informal Activities and The concept of working-class representing 'Free' 'Fair'

Access is scheduled and paid. Programs no longer reflect local needs. The building follows a top-down model, limiting informal use.

3 - Embrace inclusive and diverse expressions of Zonnehuis

Residents' pesonal perspectives
/ memories to the village:



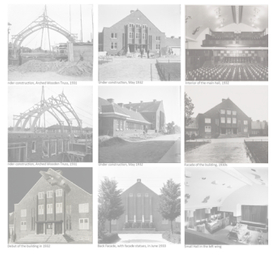
BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVI	NON INTENDED COMMEMORA	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]								
SITE								
SKIN (exterior)								
STRUCTURE								
SPACE PLAN								
SURFACES (interior) [+]								
SERVICES								
STUFF								
SPIRIT of PLACE [+]								

Need Inclusive reinterpretations
(New-ness value)

Formal architectural language reinforces hierarchy;
Historic identity may feel distant or from today's users. - introducing new 'everyday context' allowing various interpretations is prposed.

4 - Decision-making Adminstration (Top-down / Bottom-up Needs)





v.s.



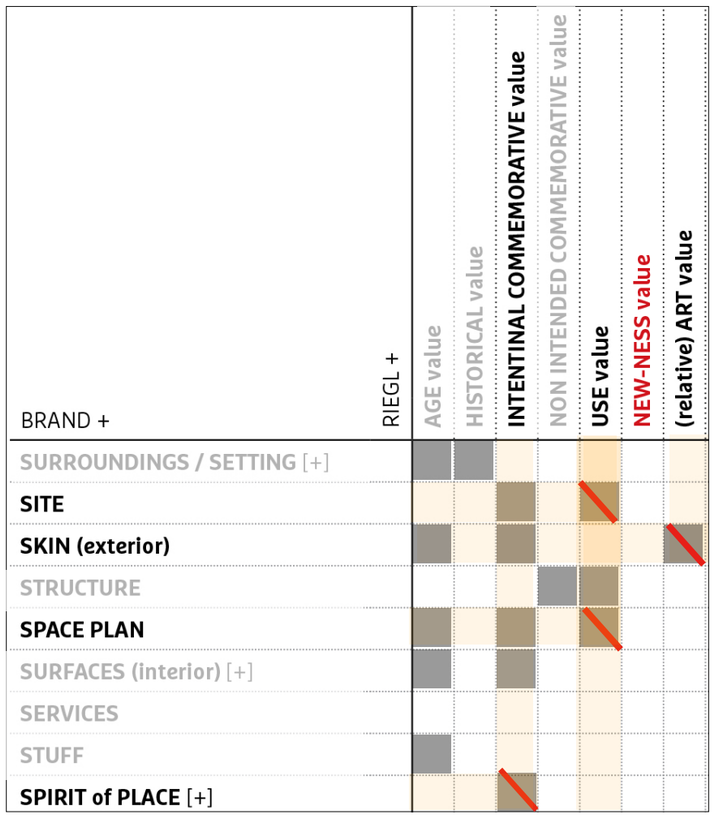
BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]								
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STRUCTURE								
SPACE PLAN								
SURFACES (interior) [+]								
SERVICES								
STUFF								
SPIRIT of PLACE [+]								



Collective agency and participatory space

Decisions on programming, maintenance, and renovation are made without community involvement. -A lived-in space with everyday narratives, enables deliberative democracy is proposed

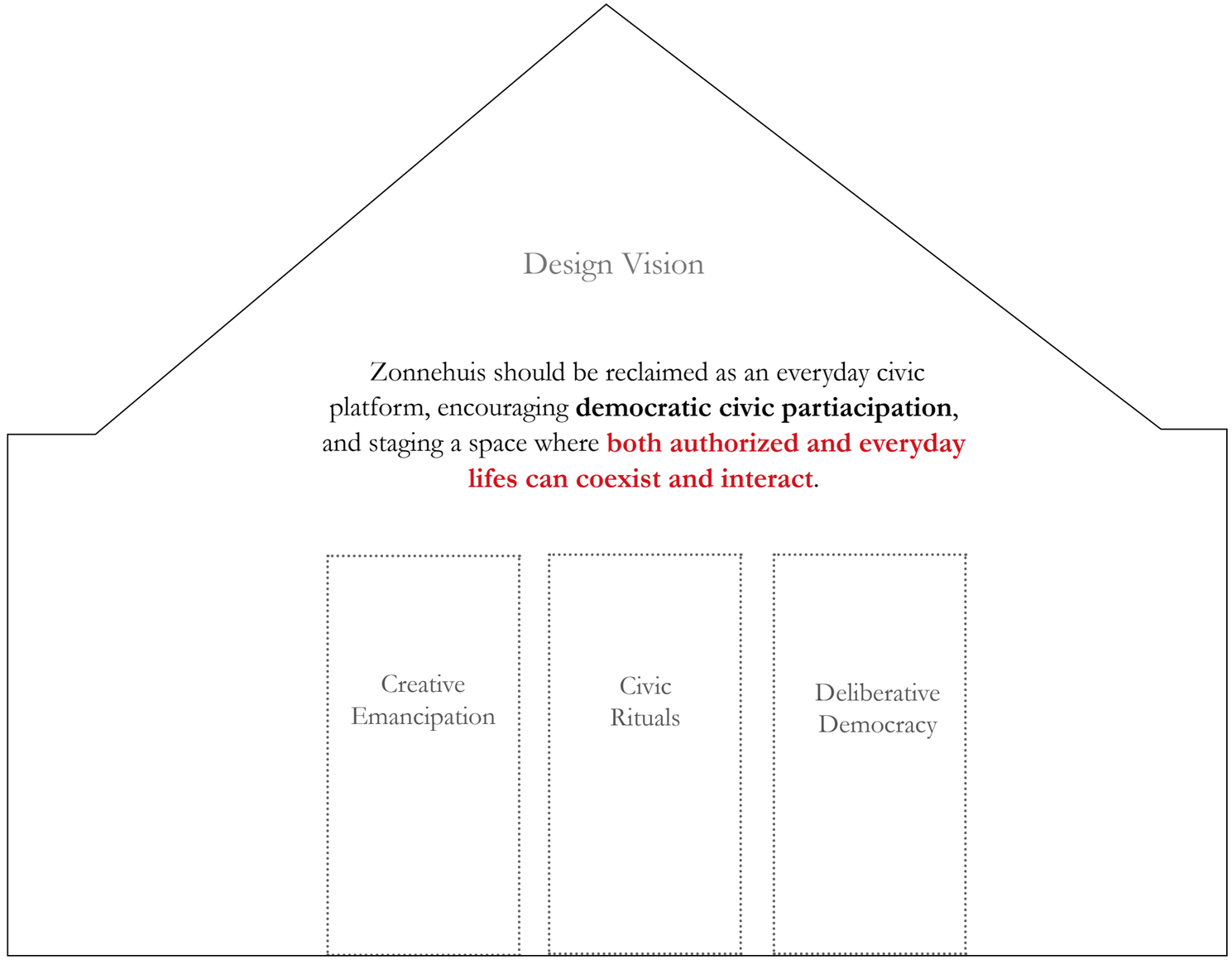
Affected heritage values

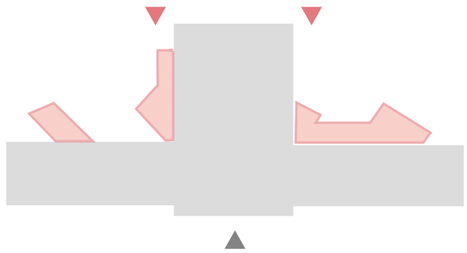


As a public place,

Commemorative value, Use value and **Art value** are needed to be revealed in everyda y encounters;

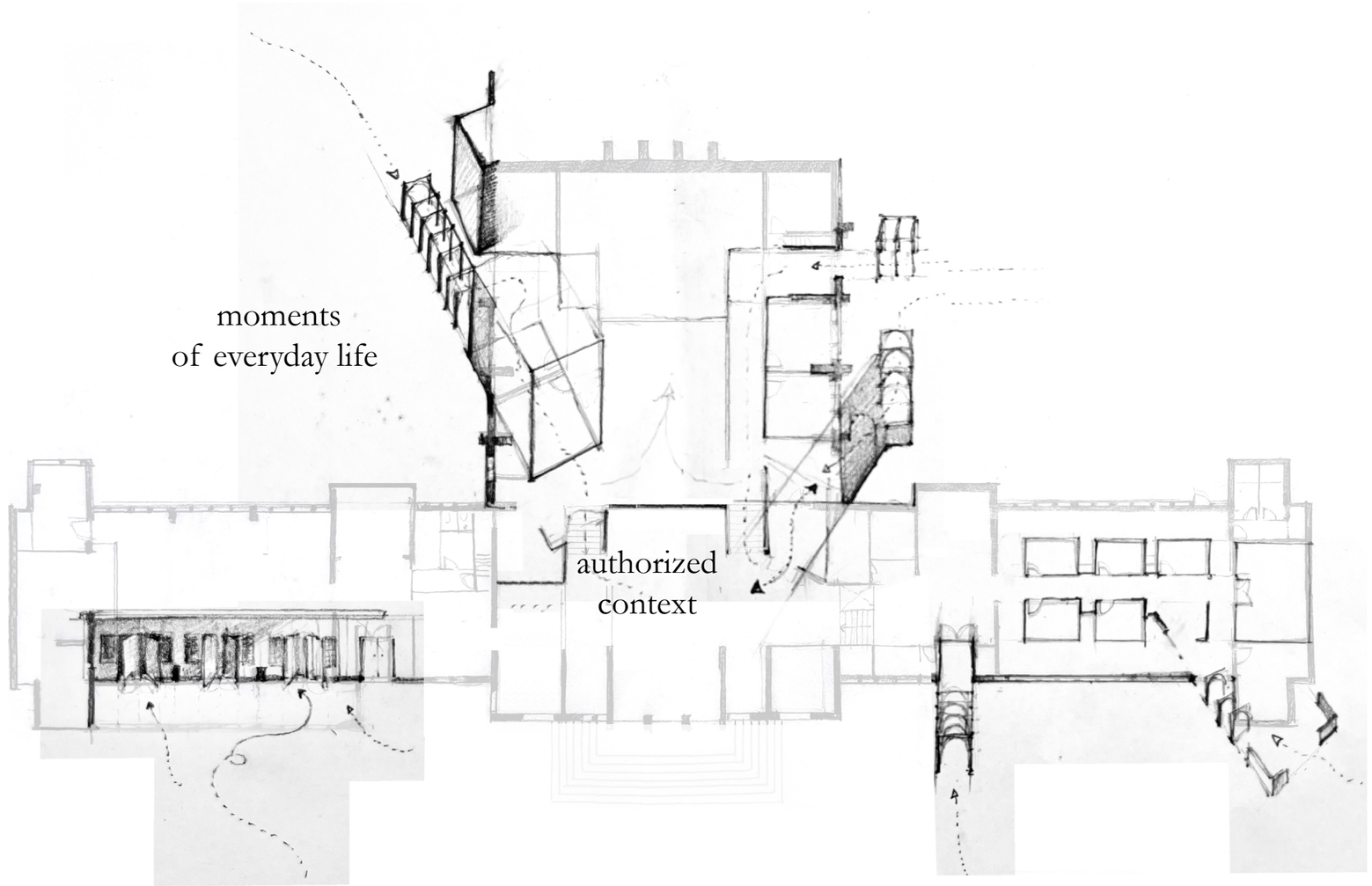
Introducing **New-ness value** that embraces new design forms / functions is also essential.



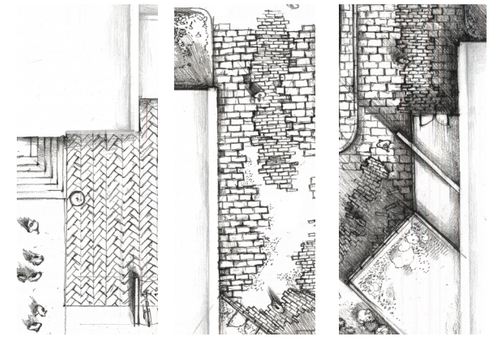


04 The Renovation:
Architectural Design & Structural Design

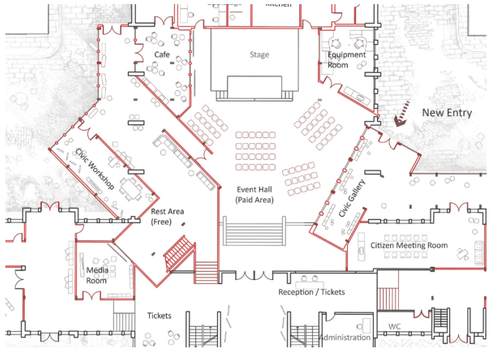
Concept:
Spatial Tensions as negotiation



Concept:
A negotiation in Interstitial Space



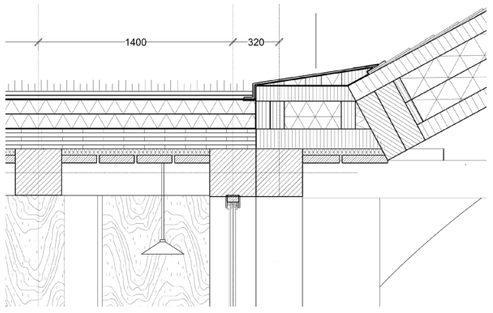
Site



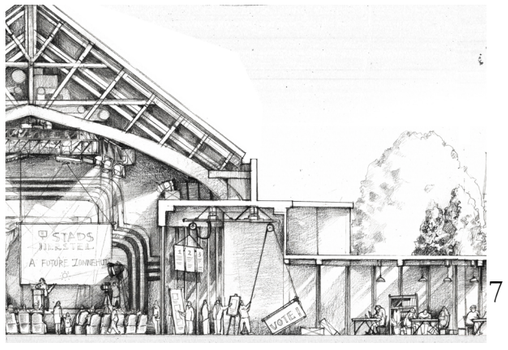
Space
Plan



Skin

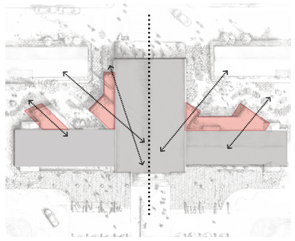


Structure

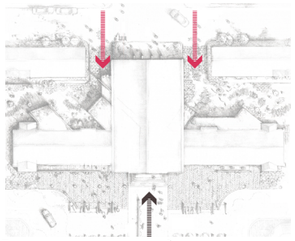


Spirit
of Place

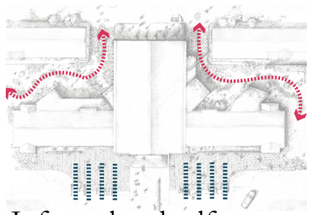
Enhanced Heritage Values - Site



Introduces asymmetry and spatial irregularity

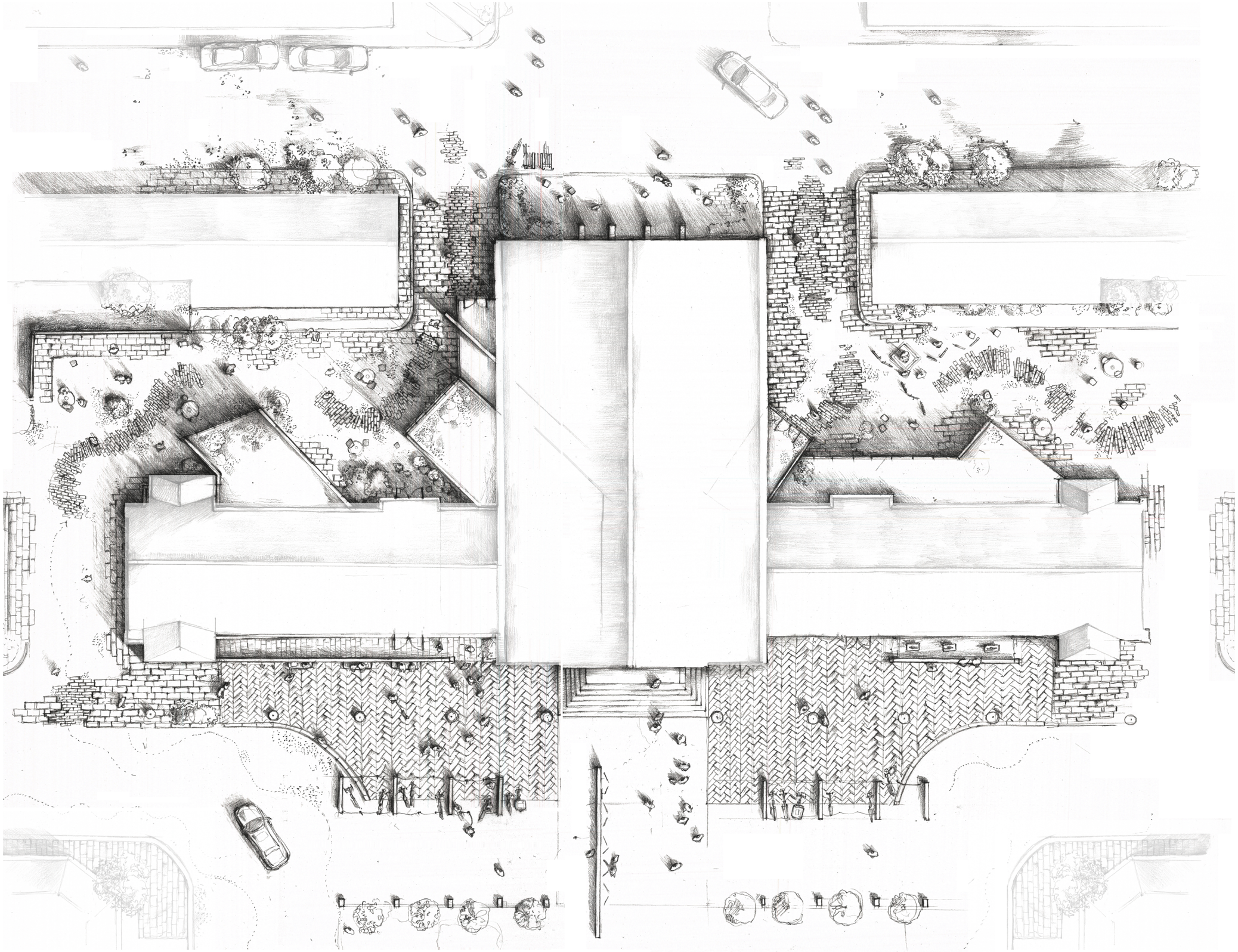


New access path as alternative spatial negotiation



Informal and self-organized social activities





Design Approach - New Entrance (Skin)



Participating in the negotiation between the authorized and the everyday in daily life



Exposed facade

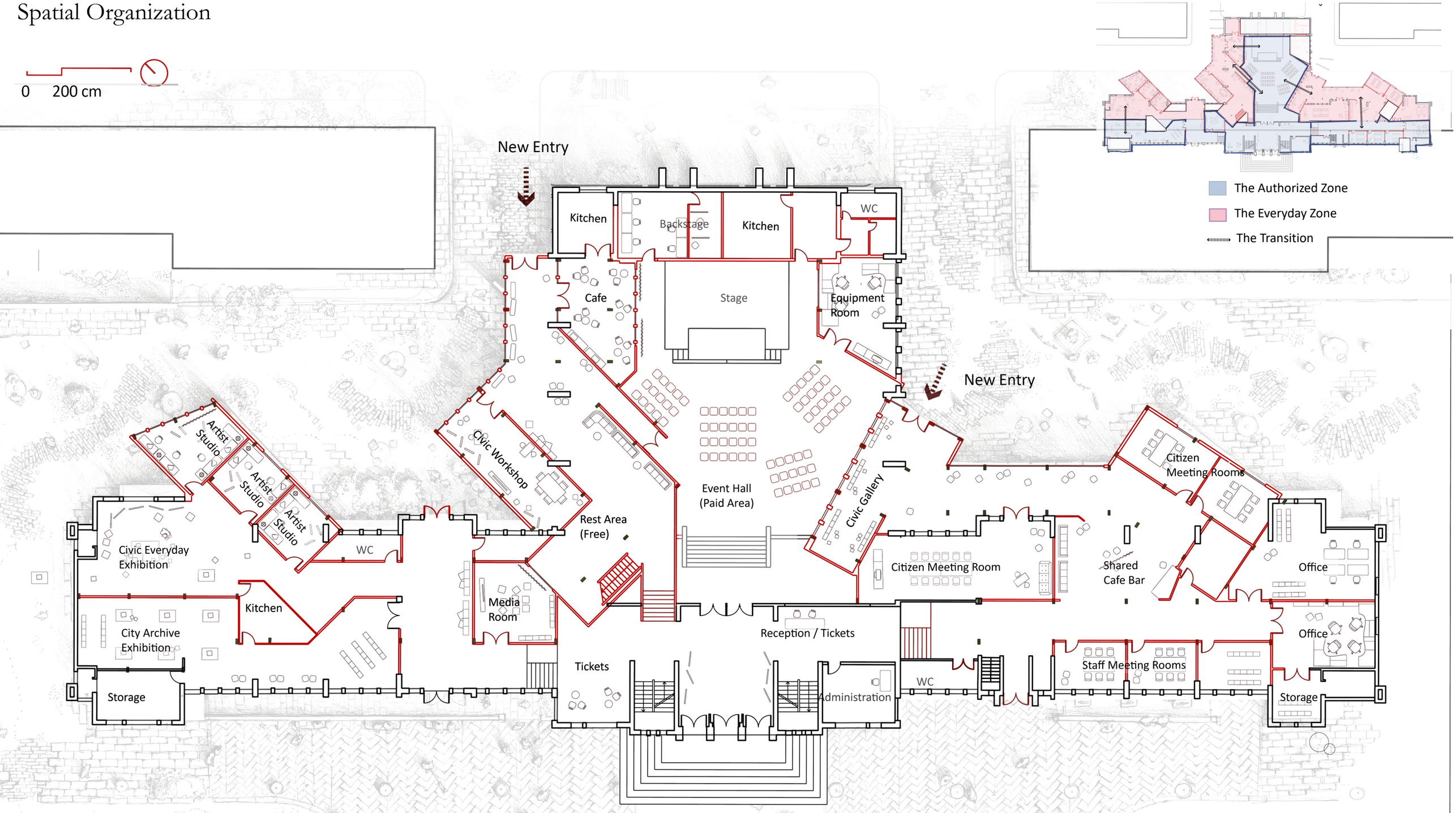
New Entrance

Reused Bricks

New Voulmn

Spatial Organization

0 200 cm



Creative Emancipation

Civic Ritual

Deliberative Democracy

0 200 cm

New Entry

Kitchen

Backstage

Kitchen

WC

Stage

Equipment Room

Audience Seats (Restricted View)

Reading Room

New Entry

Artist Studio

Artist Studio

Artist Studio

Civic Everyday Exhibition

WC

Event Hall (Paid Area)

Civic Gallery

Citizen Meeting Rooms

Citizen Meeting Room

Shared Cafe Bar

Office

Kitchen

Media Room

City Archive Exhibition

Reception / Tickets

Office

Tickets

Staff Meeting Rooms

WC

Storage

Administration

Storage

Longitudinal Section
(Space Plan)

Negotiations Between the
Everyday and Authority

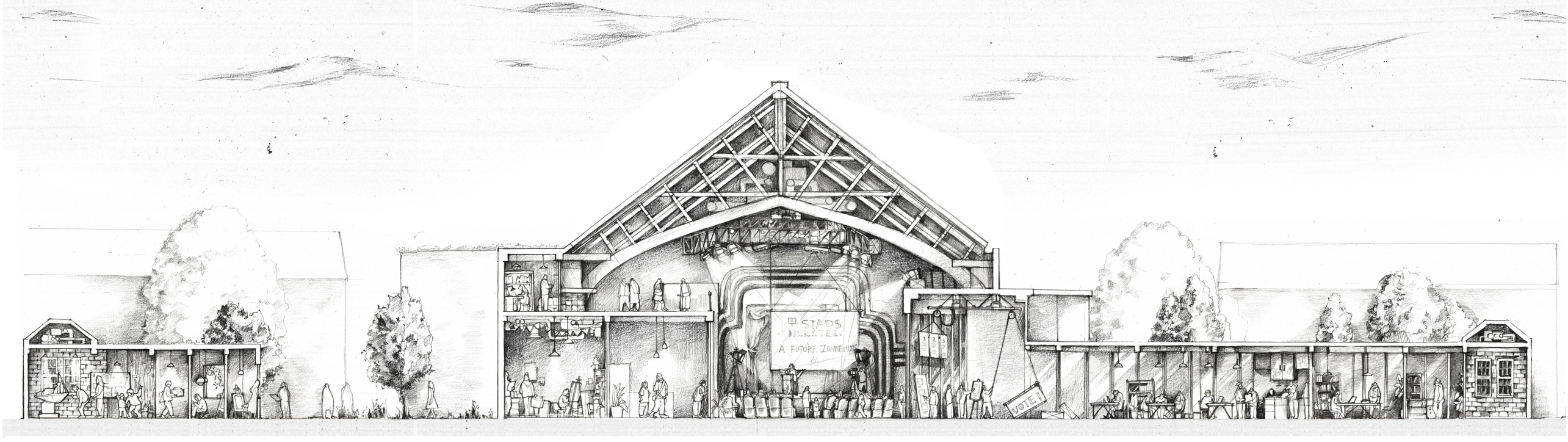
Creative
Emancipation

The mixed area

Civic Ritual

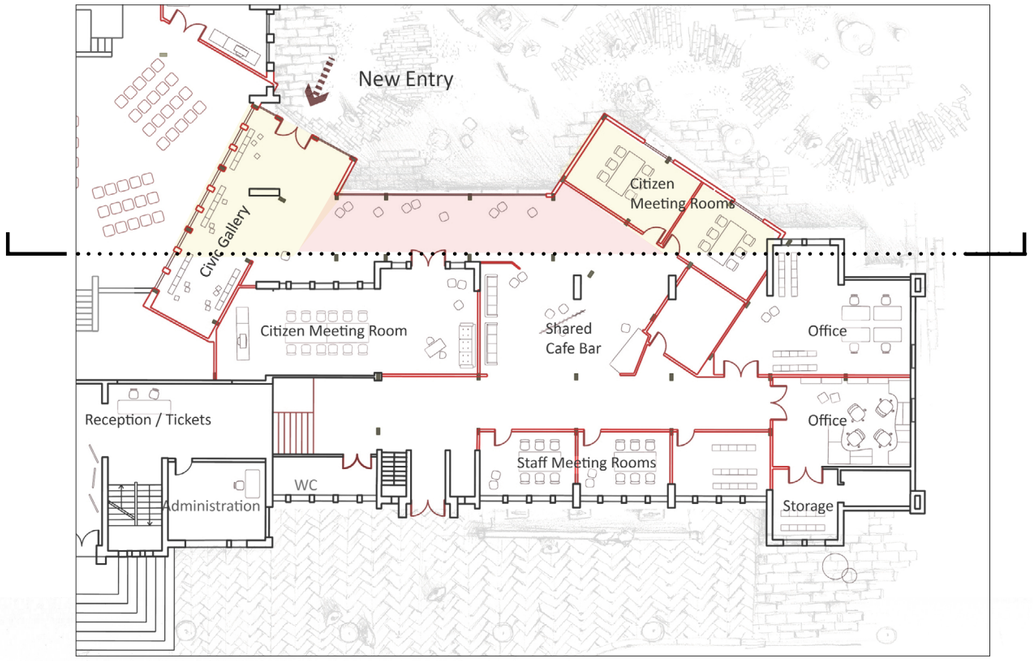
The mixed area

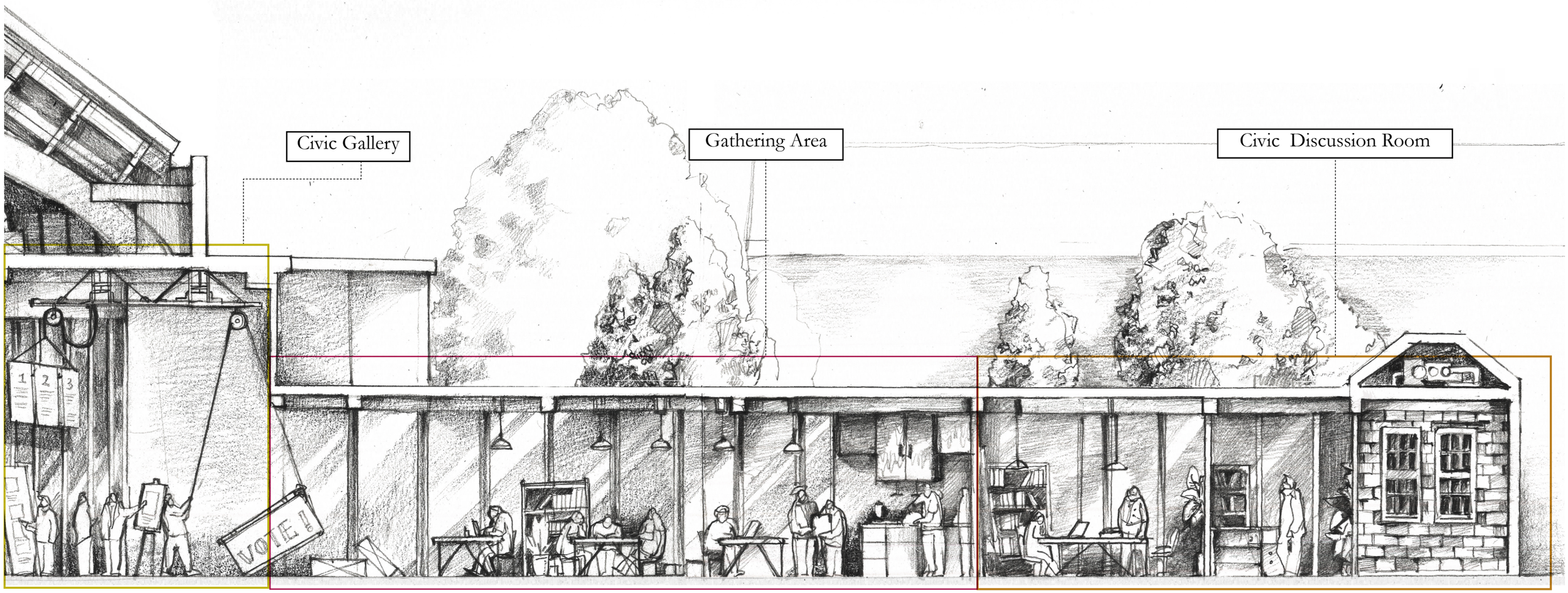
Deliberative
Democracy



Deliberative Democracy

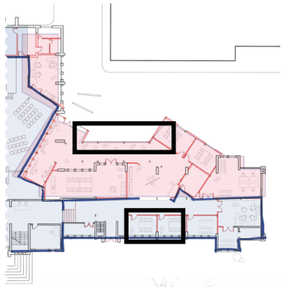
Civic discussion room,
Gathering area,
Staff administrative room,
Office,
Civci gallery

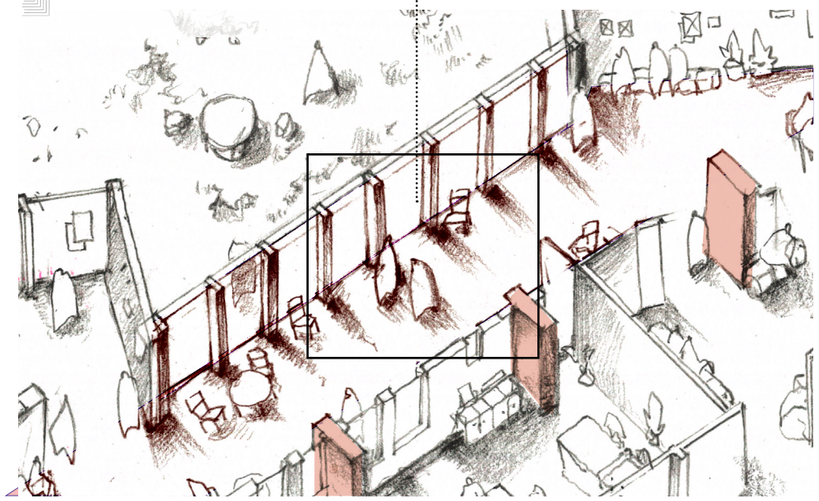


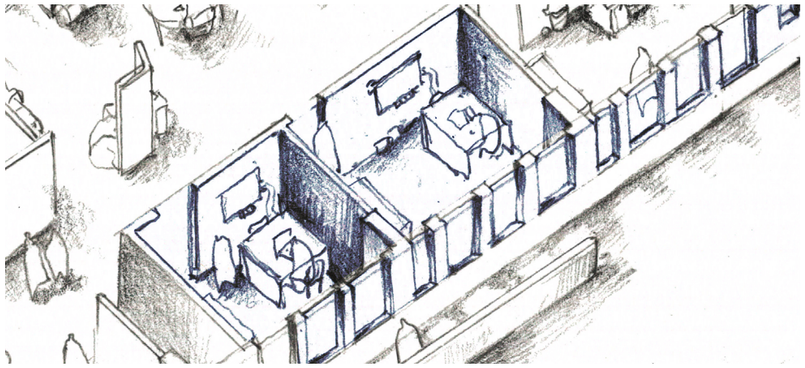


The civic discussion rooms enable civic issues debate, discuss, act;
the public corridor encourages exchange of opinions from different perspectives

Deliberative Democracy







Gathering area / Administrative Area

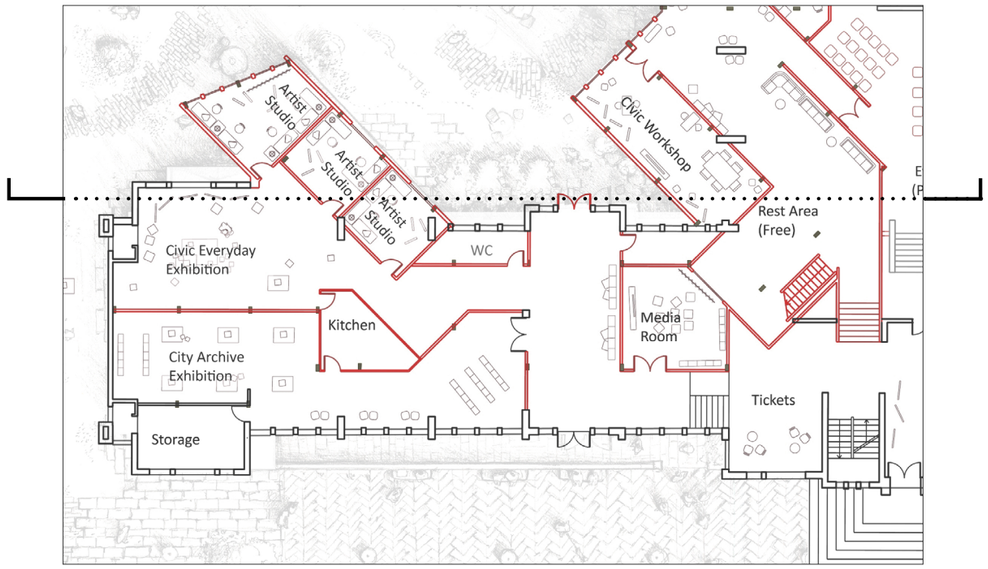
In the gathering area

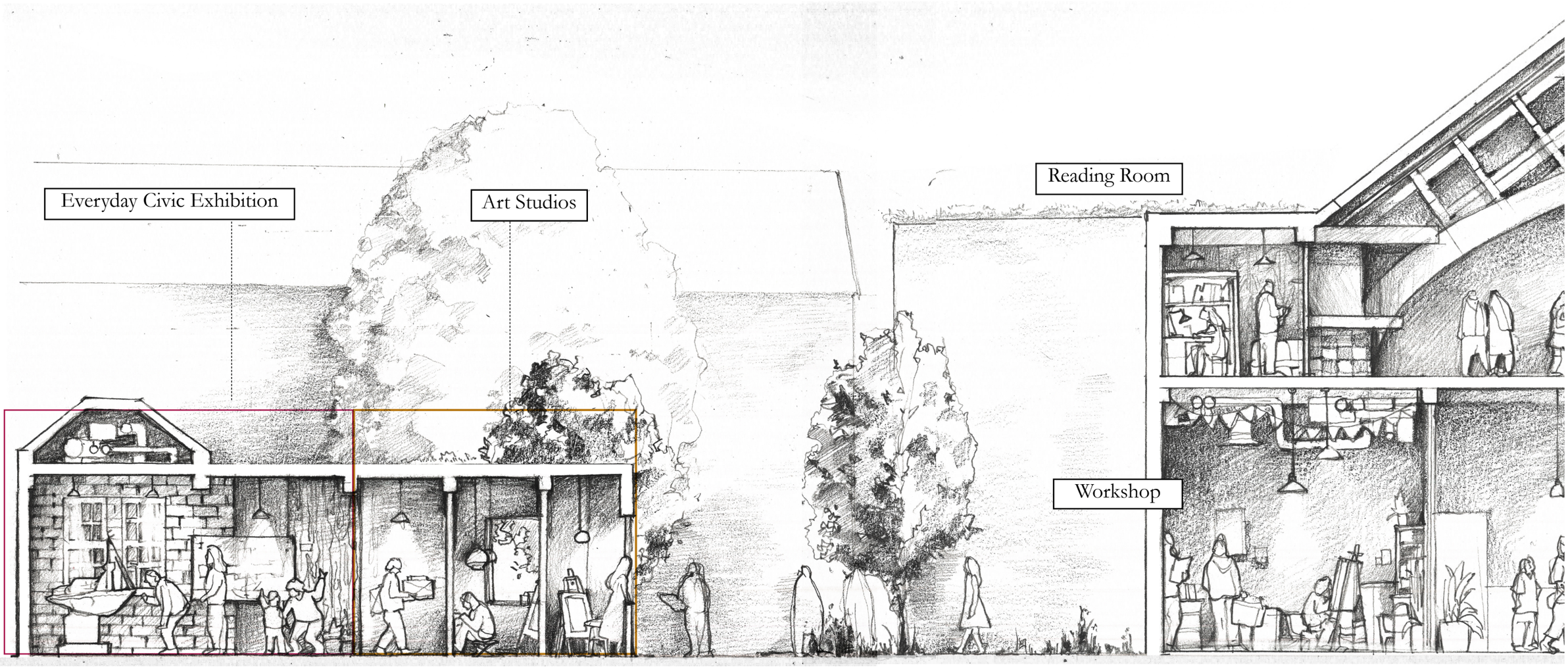


Exchanging ideas with stakeholders;
Working under natural lighting;
Discover the rhythm of the old and the new structure;

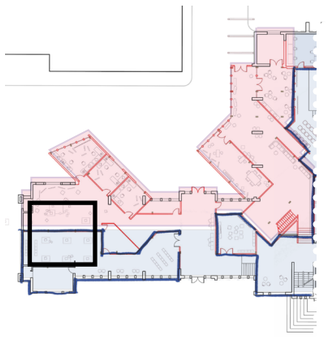
Creative Emancipation

Art studios,Workshop,
Cafe
Everyday Civic Exhibition Area (Free),
Official Archivc Room (Paid)
Kitchen,
Rest Room,
Storage,
Plant room, Toilet





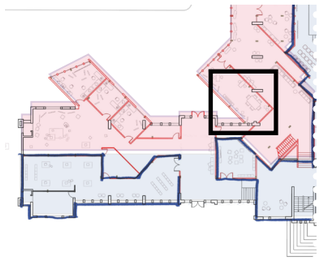
The everyday exhibition area /workshops - support creative exhibitions and infromal events;
The official archive area exhibits official historical materials.

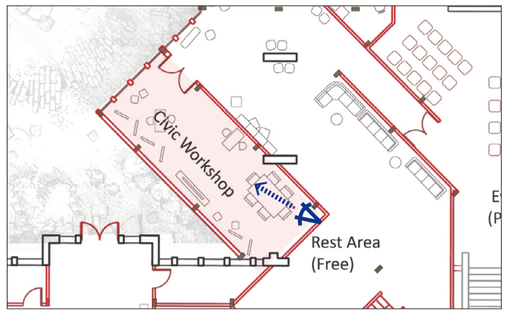


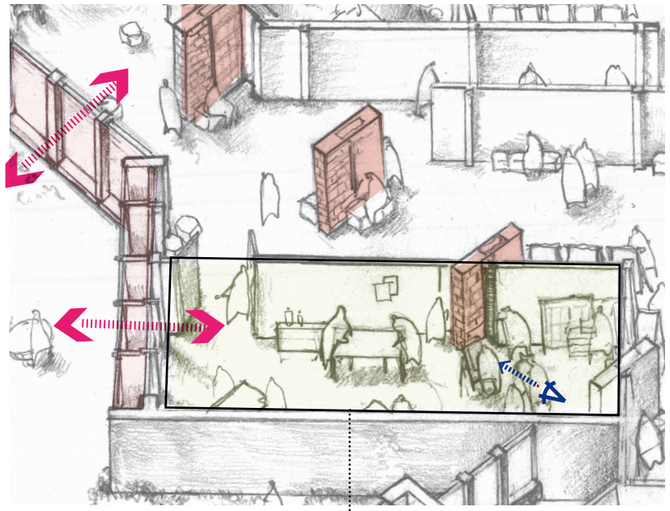


Visual Connection of Formal / Informal Programs;
Shared Service Area

Creative Emancipation







Creative Workshop

In the workshop

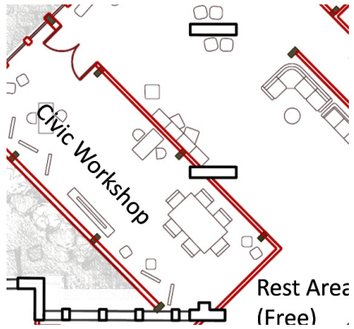


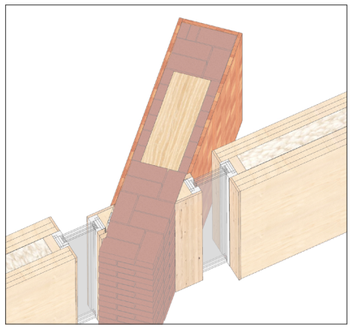
Producing different form of heritage;
Working under natural north-facing lighting;
Discover the subtle in-between transition;

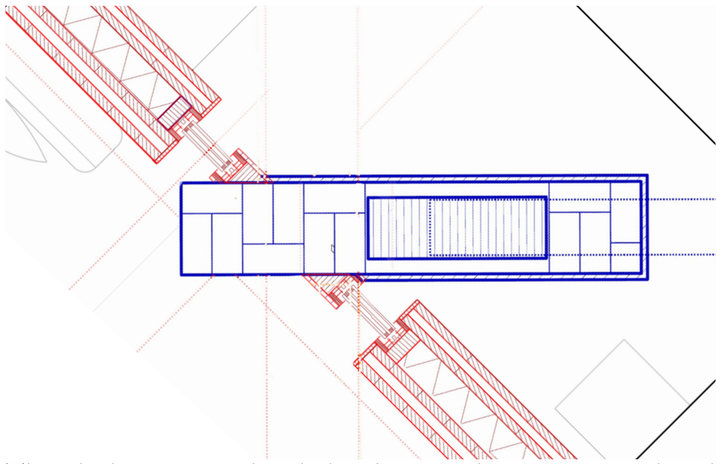
Fragment 1:10
(Structure)

Visual Experience

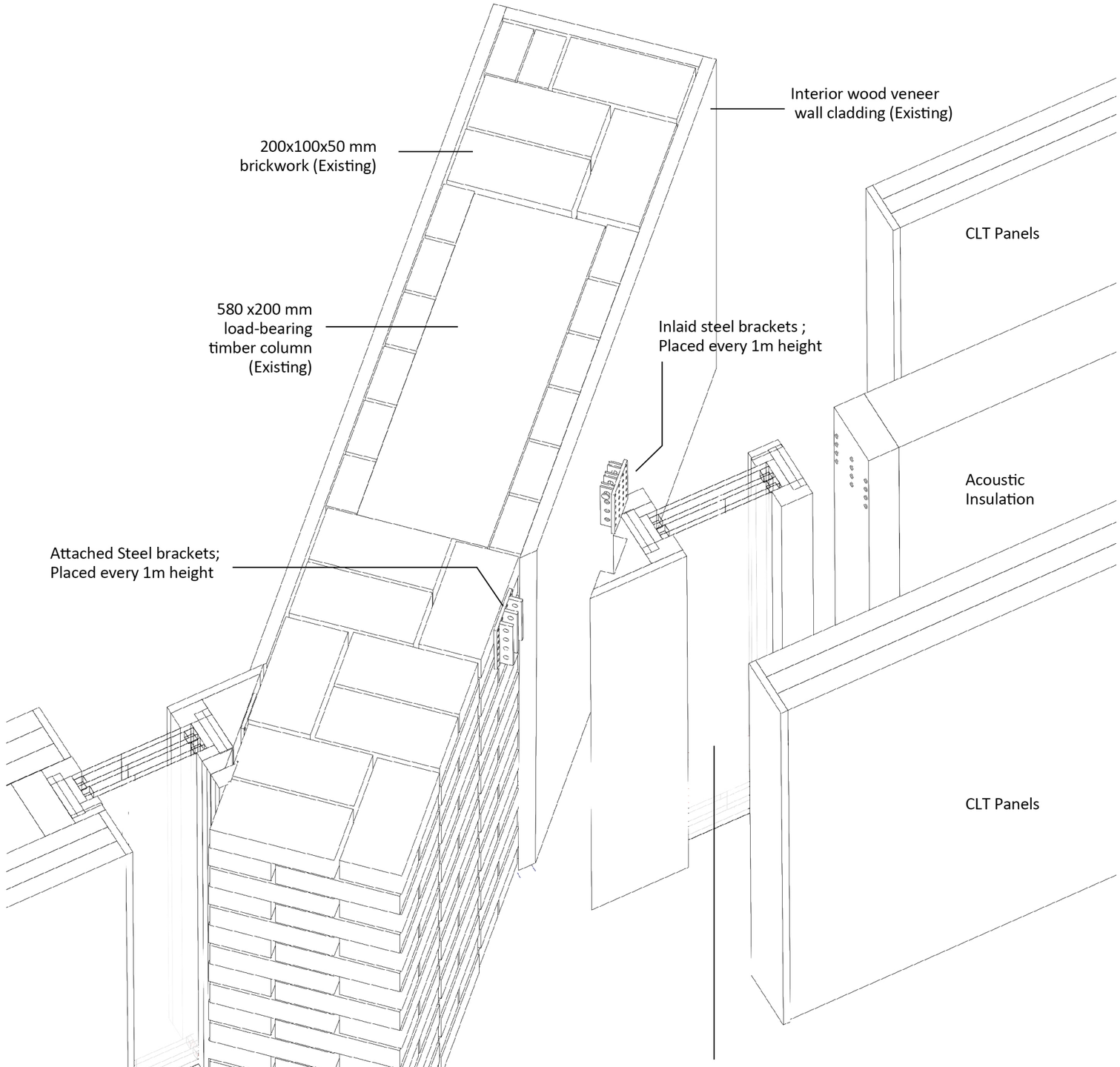








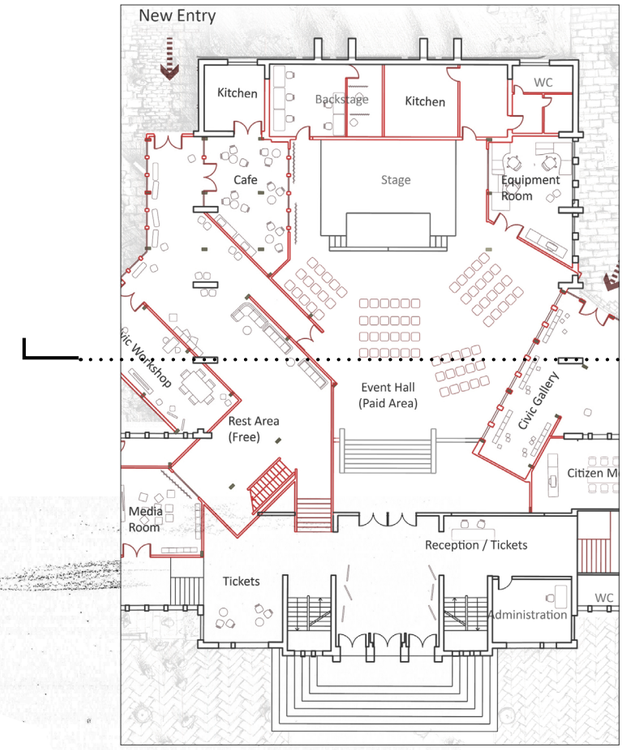
The glazing connection is implemented as a structural and acoustic joint, connecting the gap between the brickwork and the new CLT partition. A triple-layer acoustic glazing system with an aluminum frame provides both sound insulation and accommodates differential structural movement between the old and new materials.

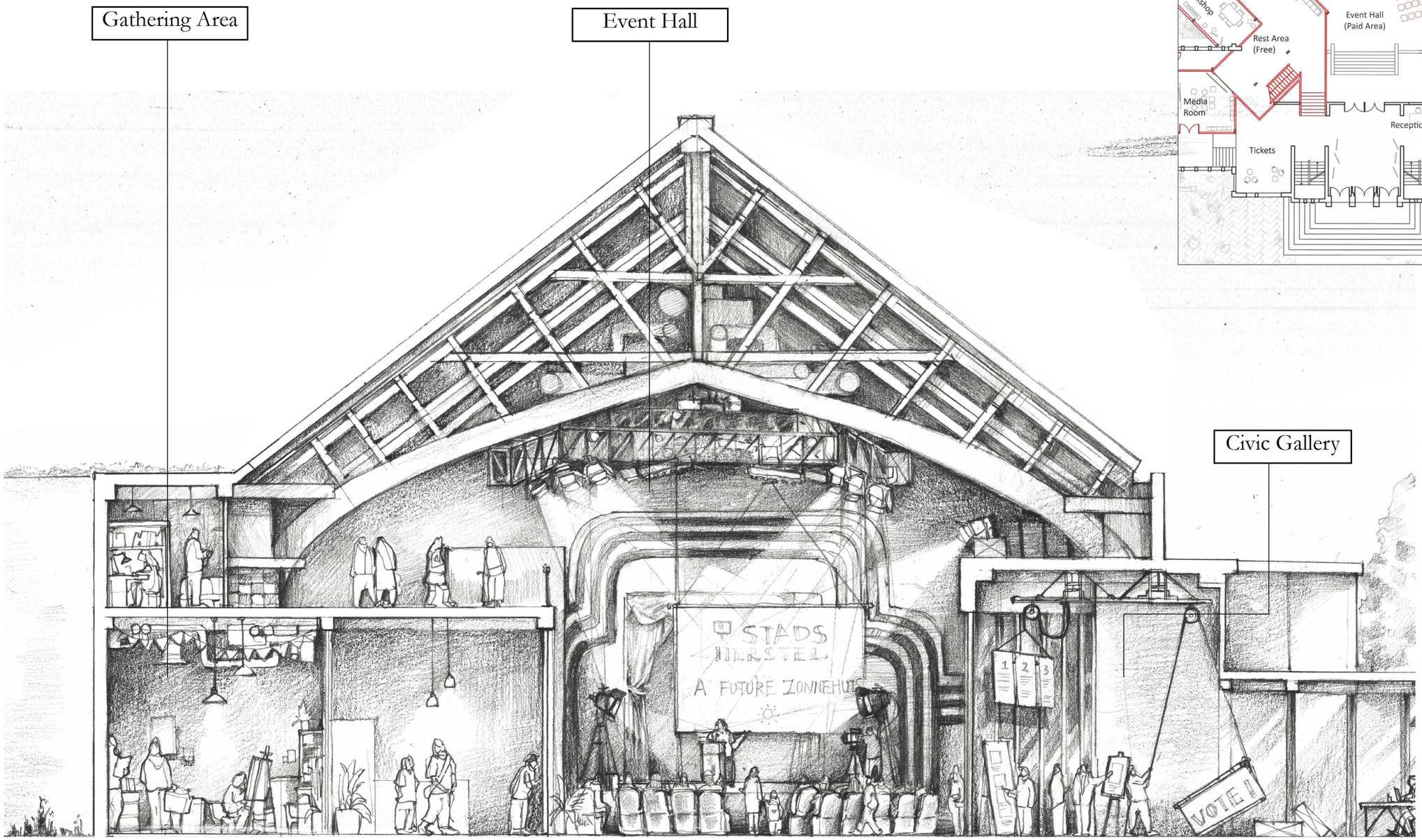


triple layer glazing partition,
framed in aluminum;
applied as an acoustic and
visual buffer

Civic Ritual

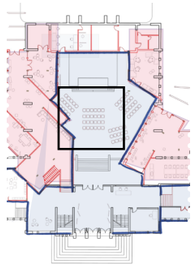
Event hall,
Cafe,
Reception and Ticket,
Changing room,
Media space



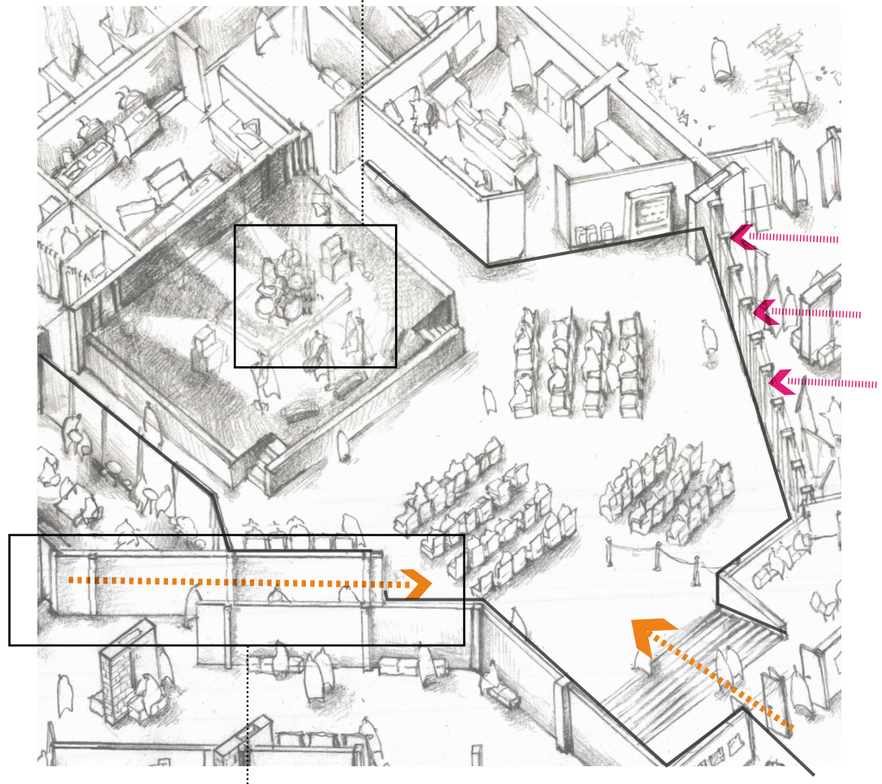


The civic conference presents discussed proposals and artworks for making a better Zonnehuis;
The origional function of running as a theather is preserved.

Civic Ritual



In The Main Event Hall

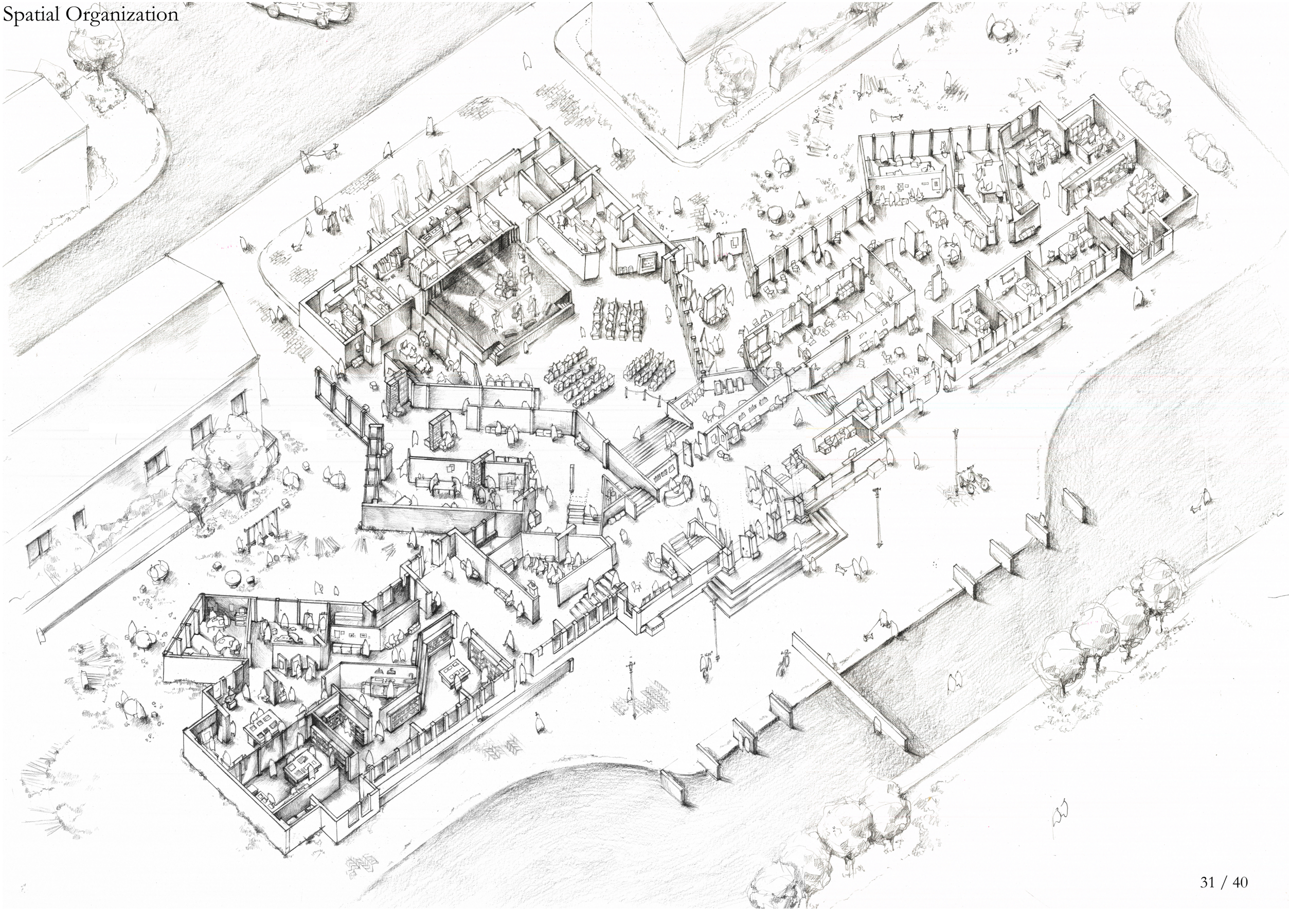




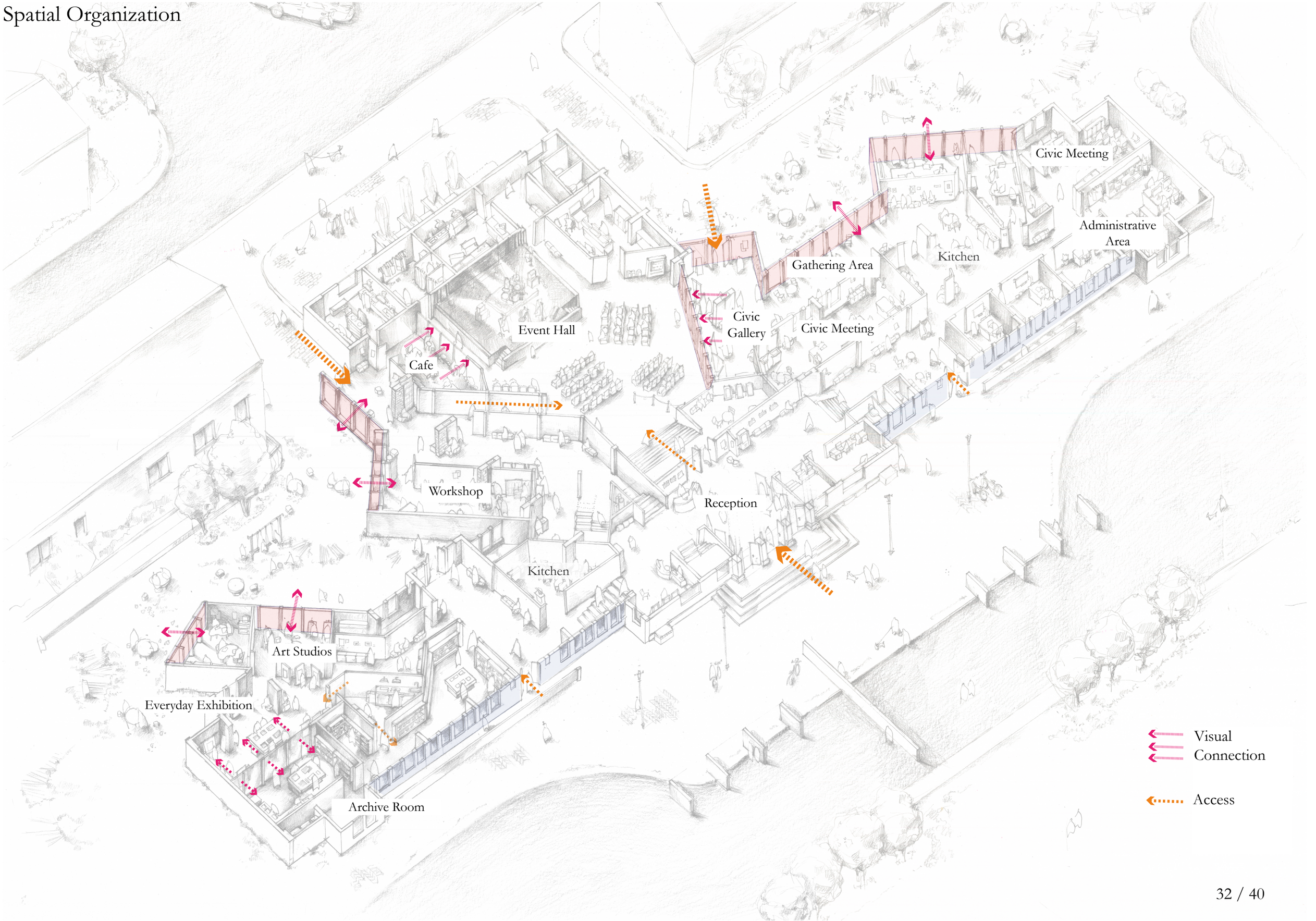
The Threshold

Participating monthly civic conferences;
Enjoying privileged performances;
Feel the transition from the everyday to the authorized scnario

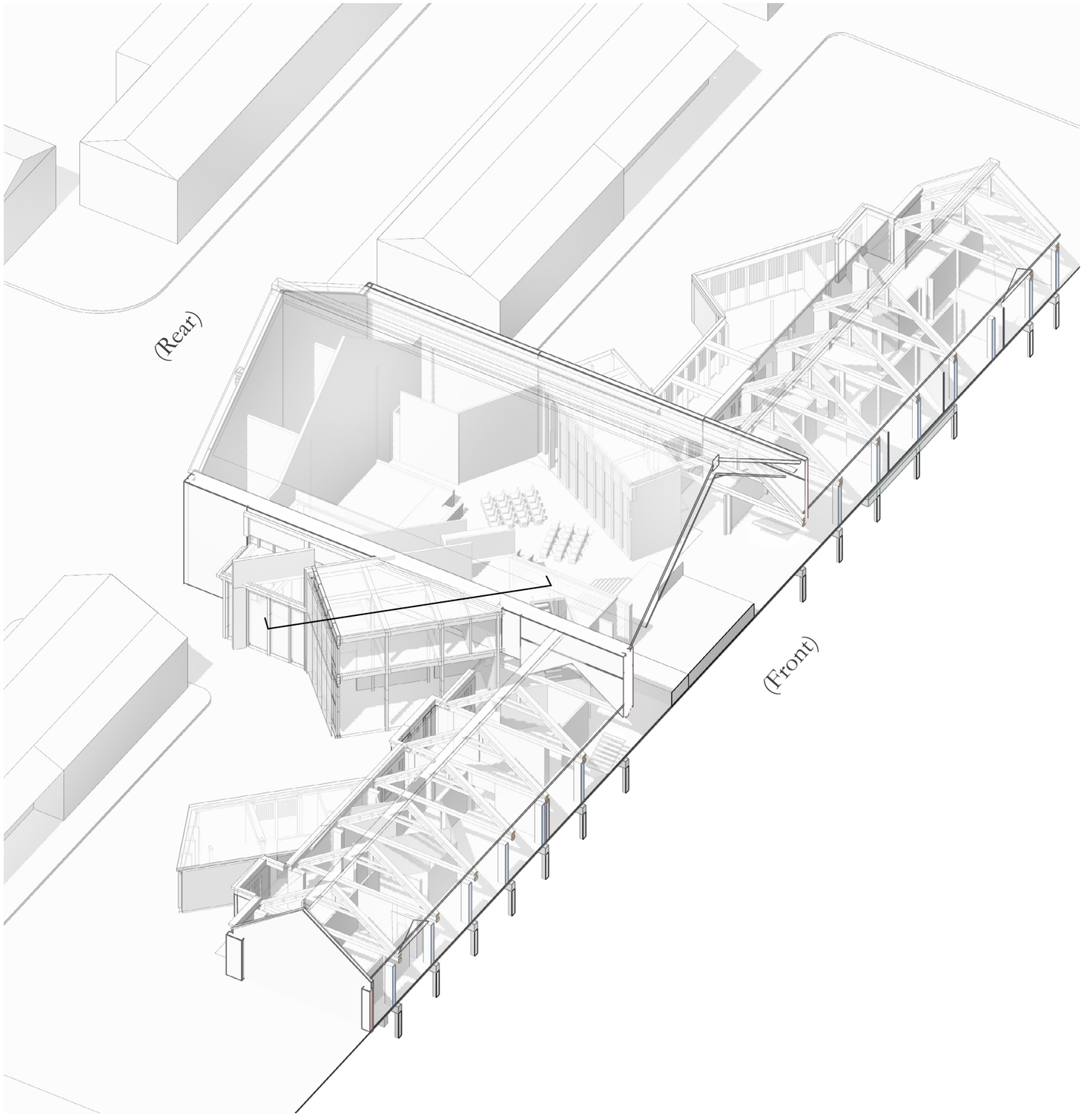
Spatial Organization

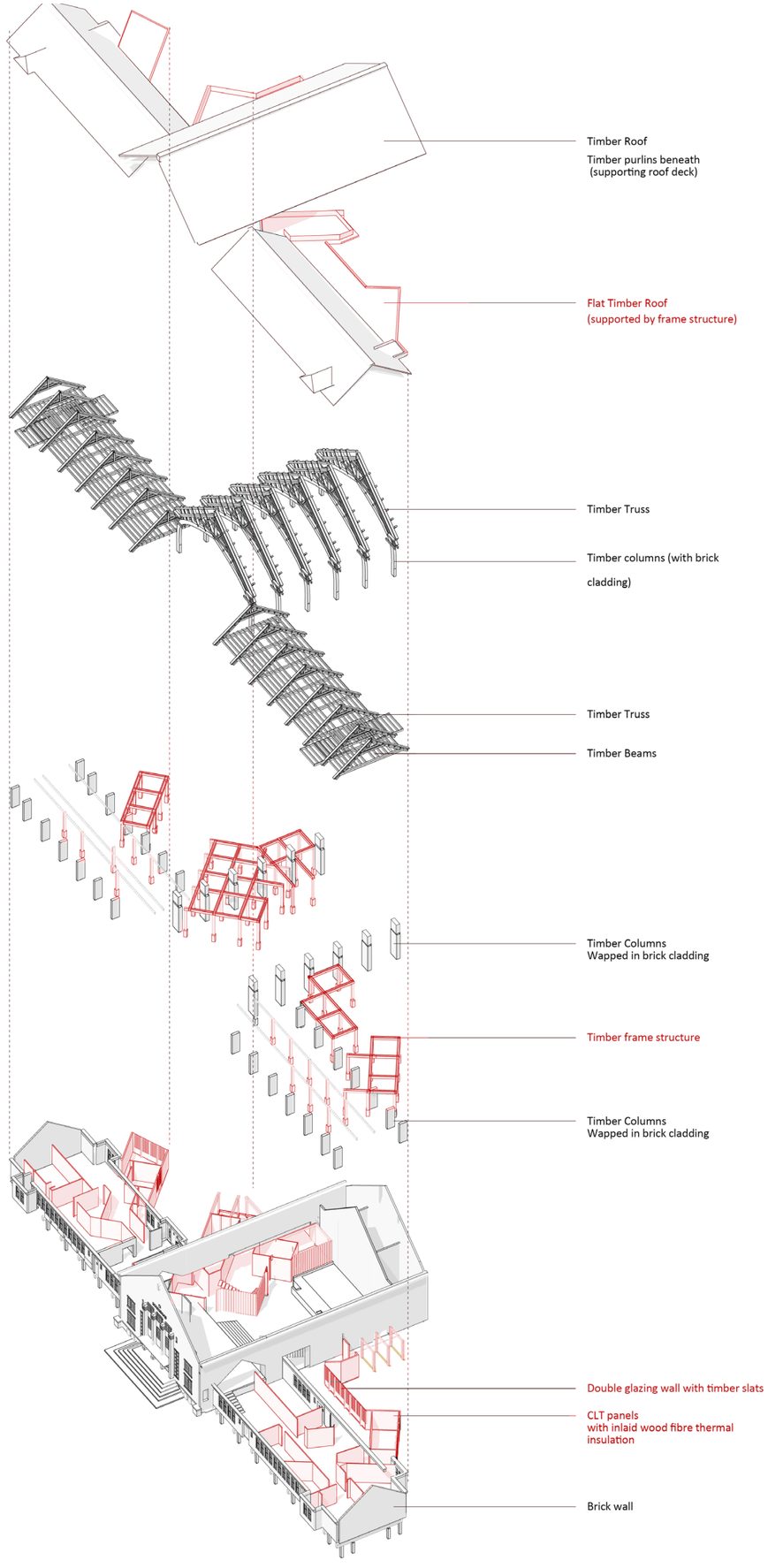


Spatial Organization

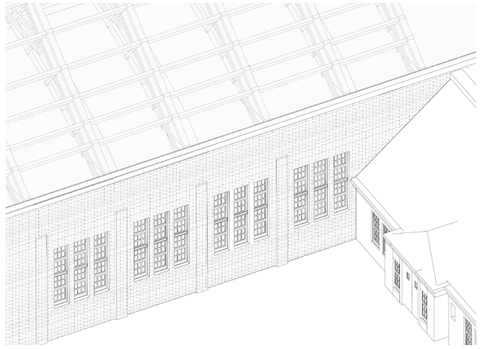


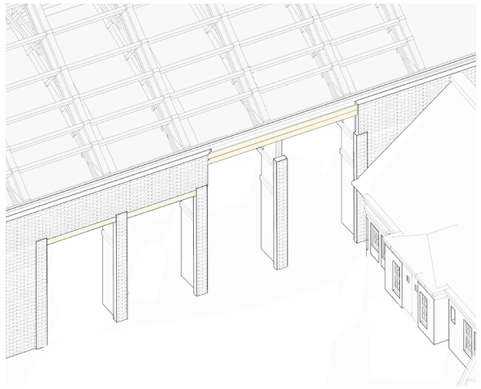
Design Approach - Structure

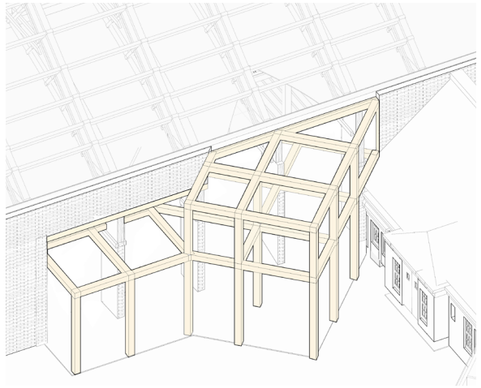


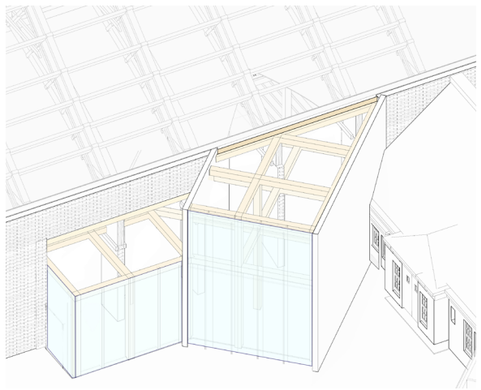


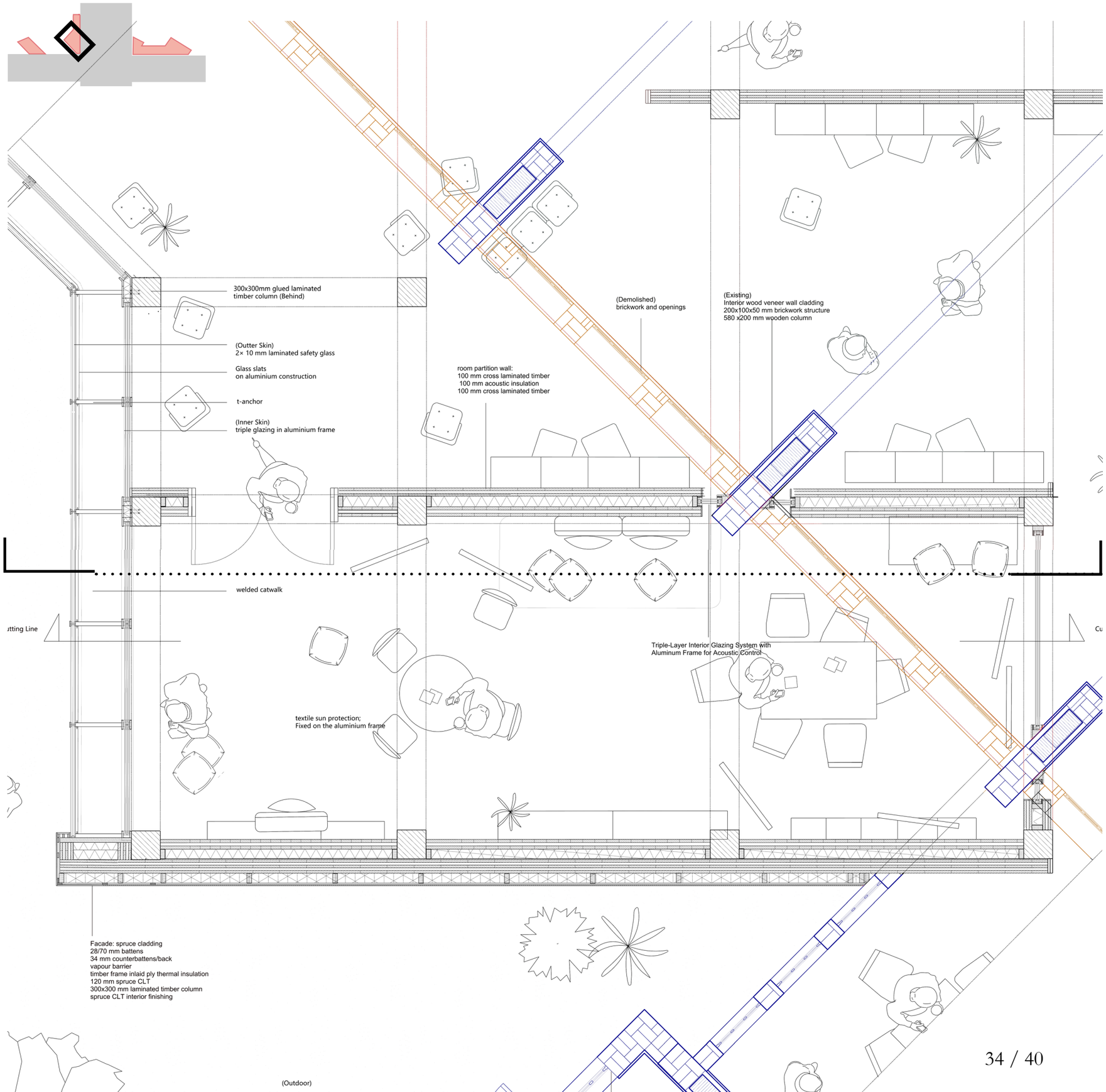
1:20 Section (Horizontal)



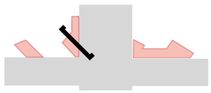








1:20 Section (Vertical) (Structure)



3100
3100
1400
320

Aluminum roof flashing element
vapor barrier layer
timber battens
glulam panels
thermal insulation

spruce cladding, pressure treated
28/70 mm battens
30 mm counterbattens/back
vapour barrier
thermal insulation
120 mm spruce CLT

786

2× 10 mm laminated safety glass

Glass slats
on aluminium construction

300x300mm glued laminated
timber column (Behind)

3055

welded catwalk

t-anchor

floor construction:
5 mm carpet flooring;
2 mm cement bonded particle board;
gypsum board;
2× 20 mm impact sound proofing;
140 mm cross laminated timber (CLT);
300X300 mm timber beams;
acoustic insulation;
Timber Cladding Interior finishing;

Motorized solar control shades

triple glazing in aluminium frame

textile sun protection;
Fixed on the aluminium frame

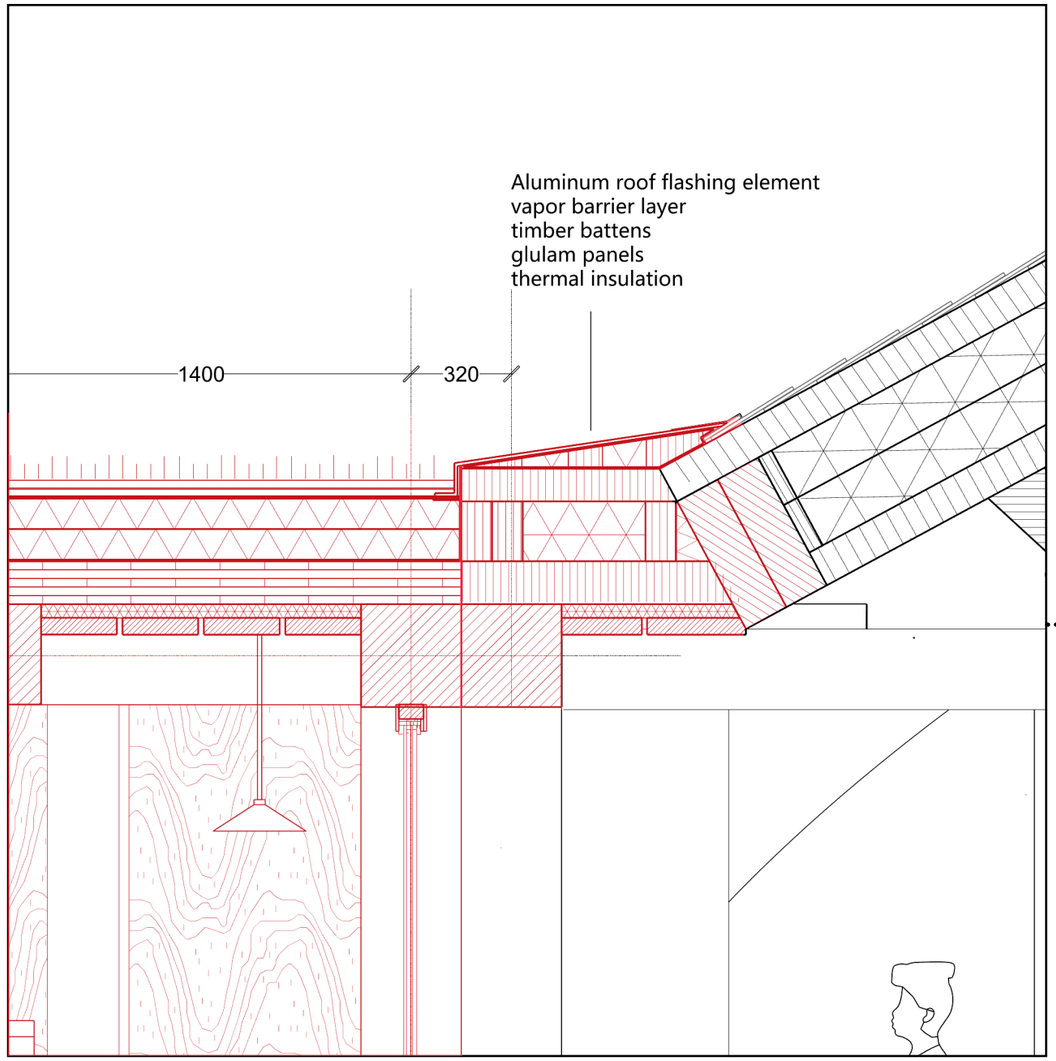
5036

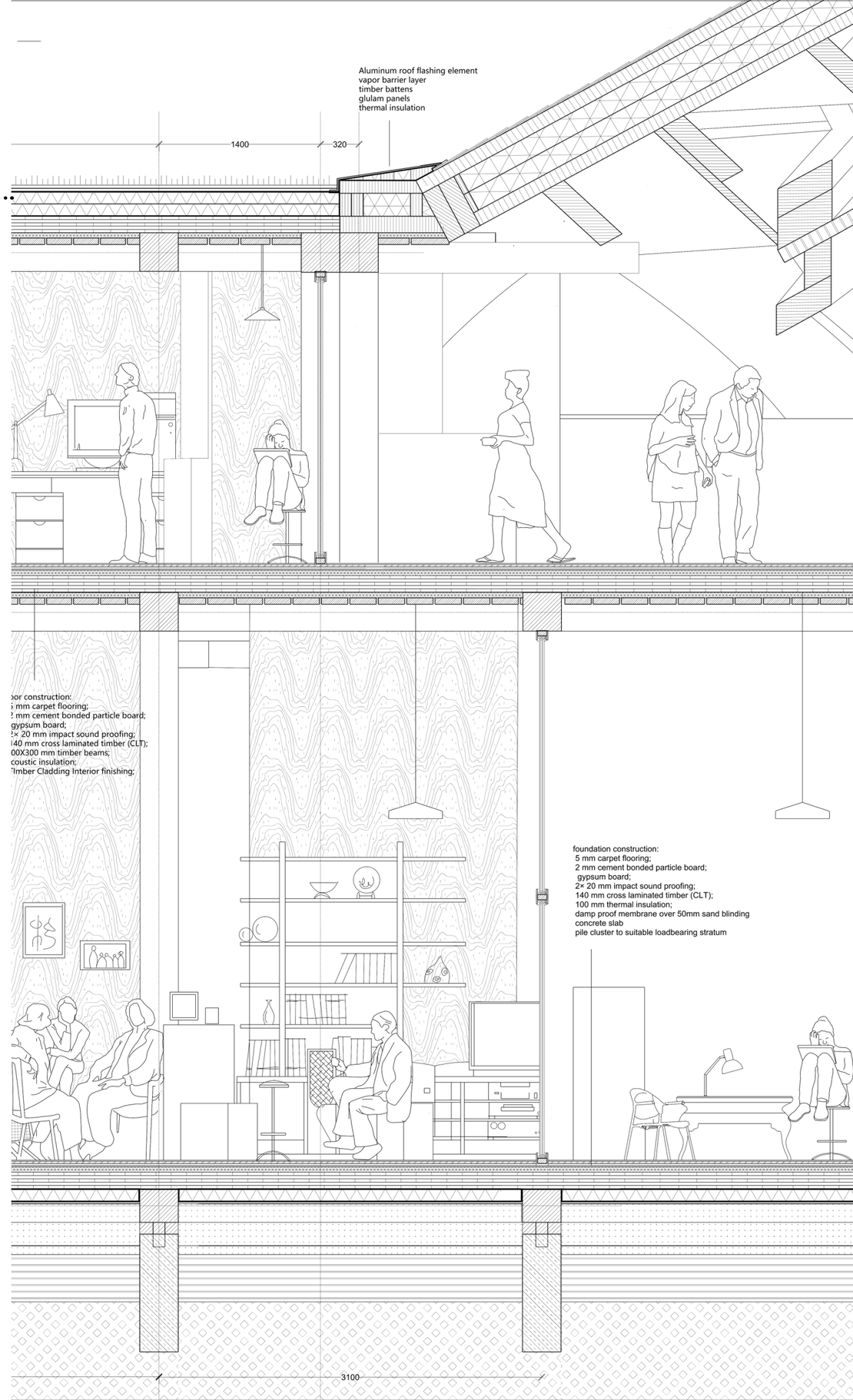
300x300mm glued laminated
timber column (Behind)

foundation construction:
5 mm carpet flooring;
2 mm cement bonded particle board;
gypsum board;
2× 20 mm impact sound proofing;
140 mm cross laminated timber (CLT);
100 mm thermal insulation;
damp proof membrane over 50mm sand blinding
concrete slab
pile cluster to suitable loadbearing stratum

3100
3100
3100

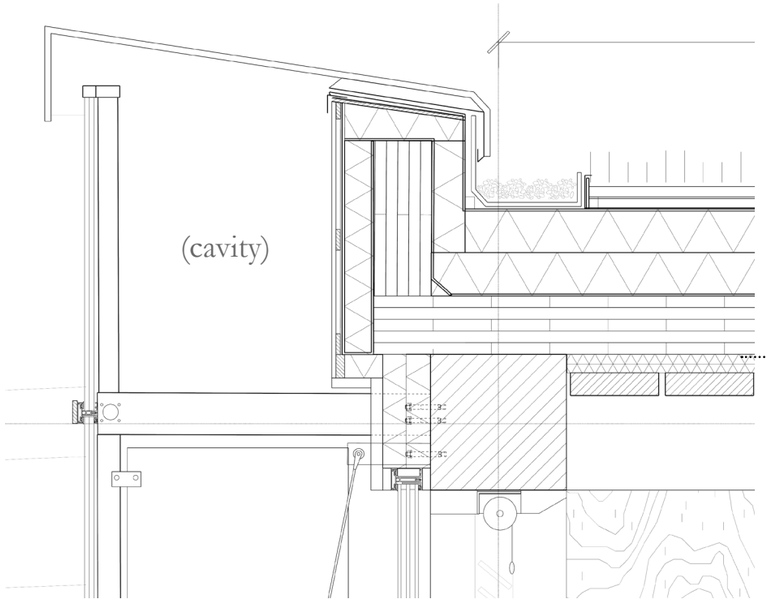
1:20 Roof System

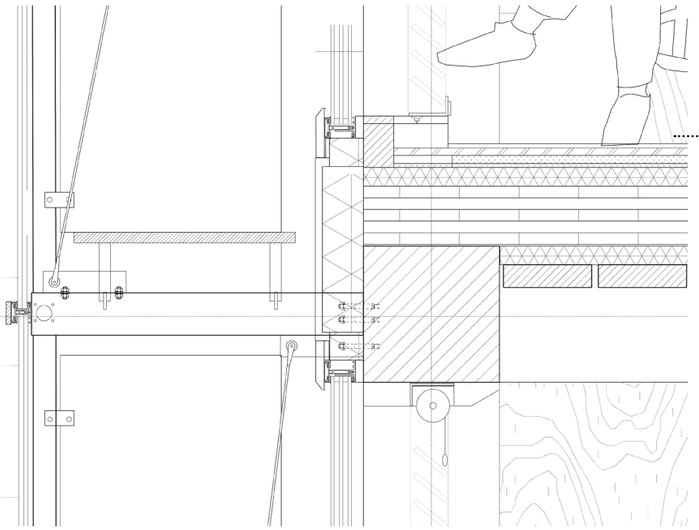


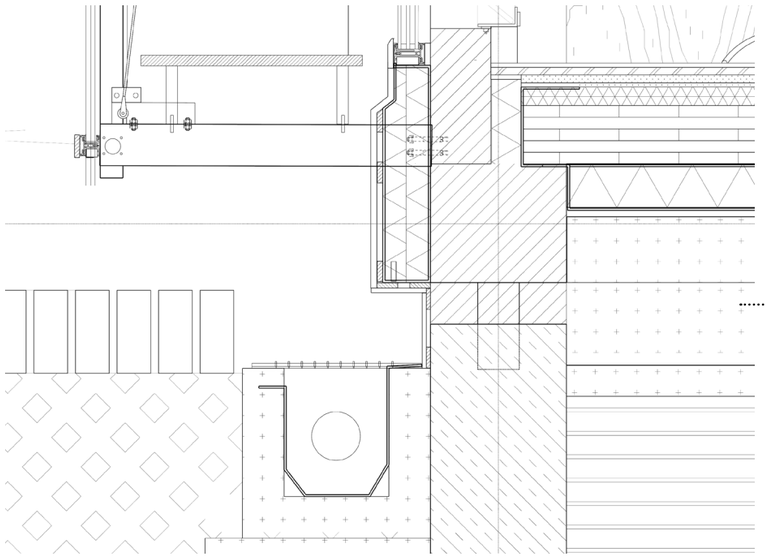


Curtain wall Details

0 5cm







1 20

roof construction:
engineered soil with plantings;
filter fabric; moisture retention layer;
aeration layer;
2X100 mm EPS thermal insulation
vapour barrier;
160 mm spruce cross laminated timber;
300X300 mm timber beams;
100 mm acoustic insulation;
100 mm spruce cross laminated timber as interior finishing

3100

3100

spruce cladding, pressure treated
28/70 mm battens
30 mm counterbattens/back
vapour barrier
thermal insulation
120 mm spruce CLT

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2× 10 mm laminated safety glass

Glass slats
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timber column (Behind)

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welded catwalk

t-anchor

Motorized solar control shades

triple glazing in aluminium frame

textile sun protection;
Fixed on the aluminium frame

5036

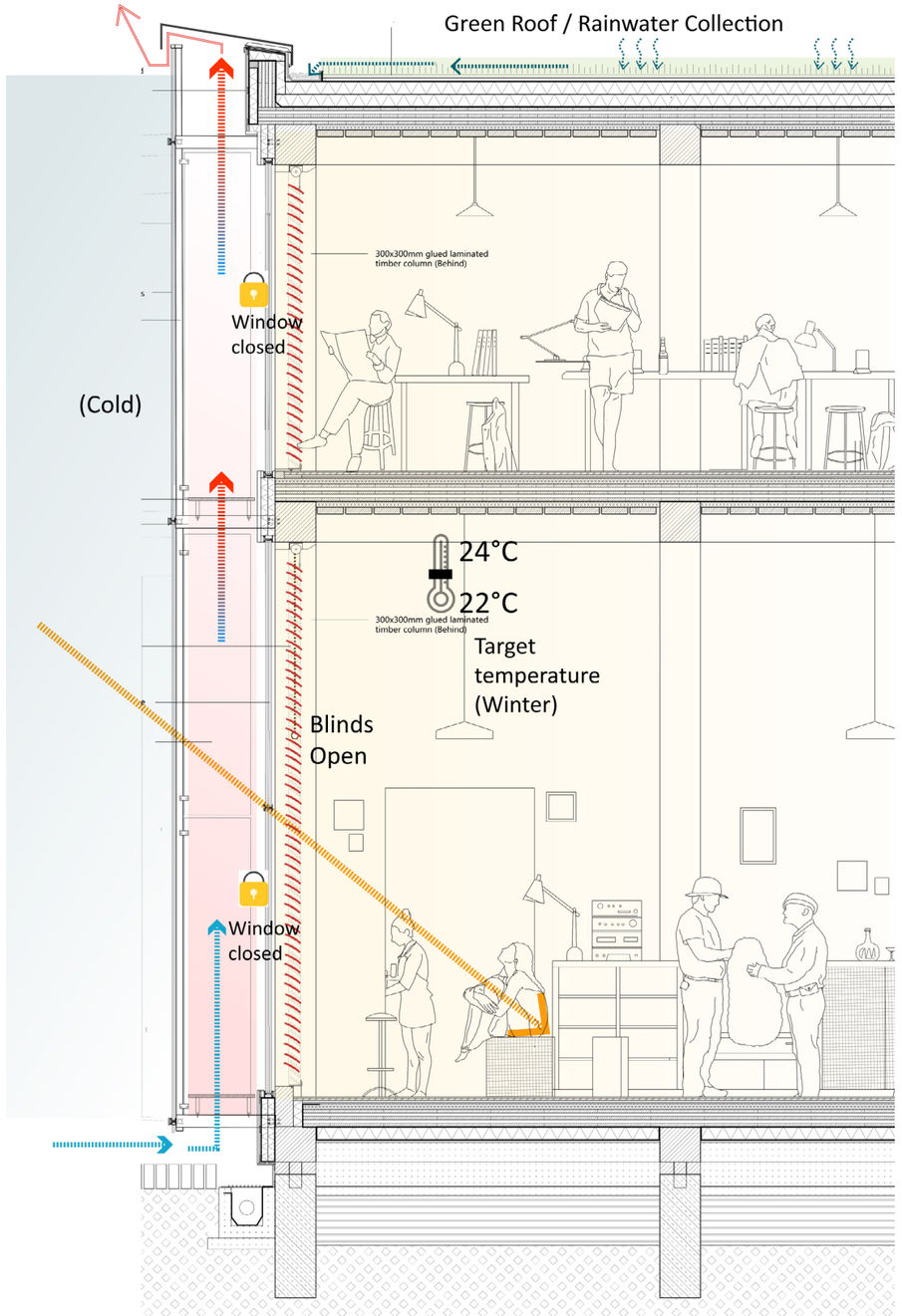
300x300mm glued laminated
timber column (Behind)

3100

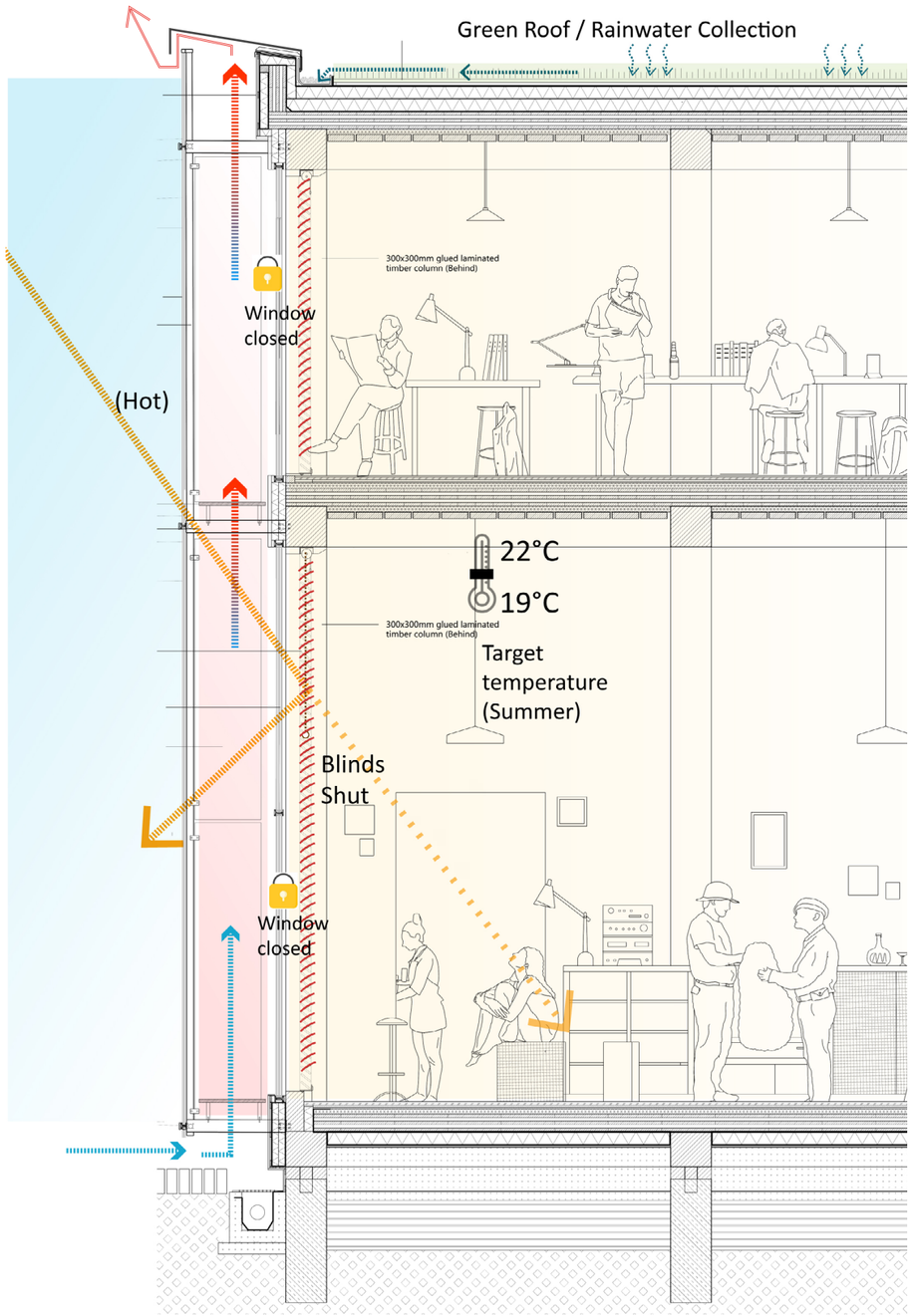
3100

Facade/ Roof System





In Winter, cold air enters at the bottom, warms up in the buffer zone and goes out at the top. Blinds are open to allow sunlight in, aiding passive heating.

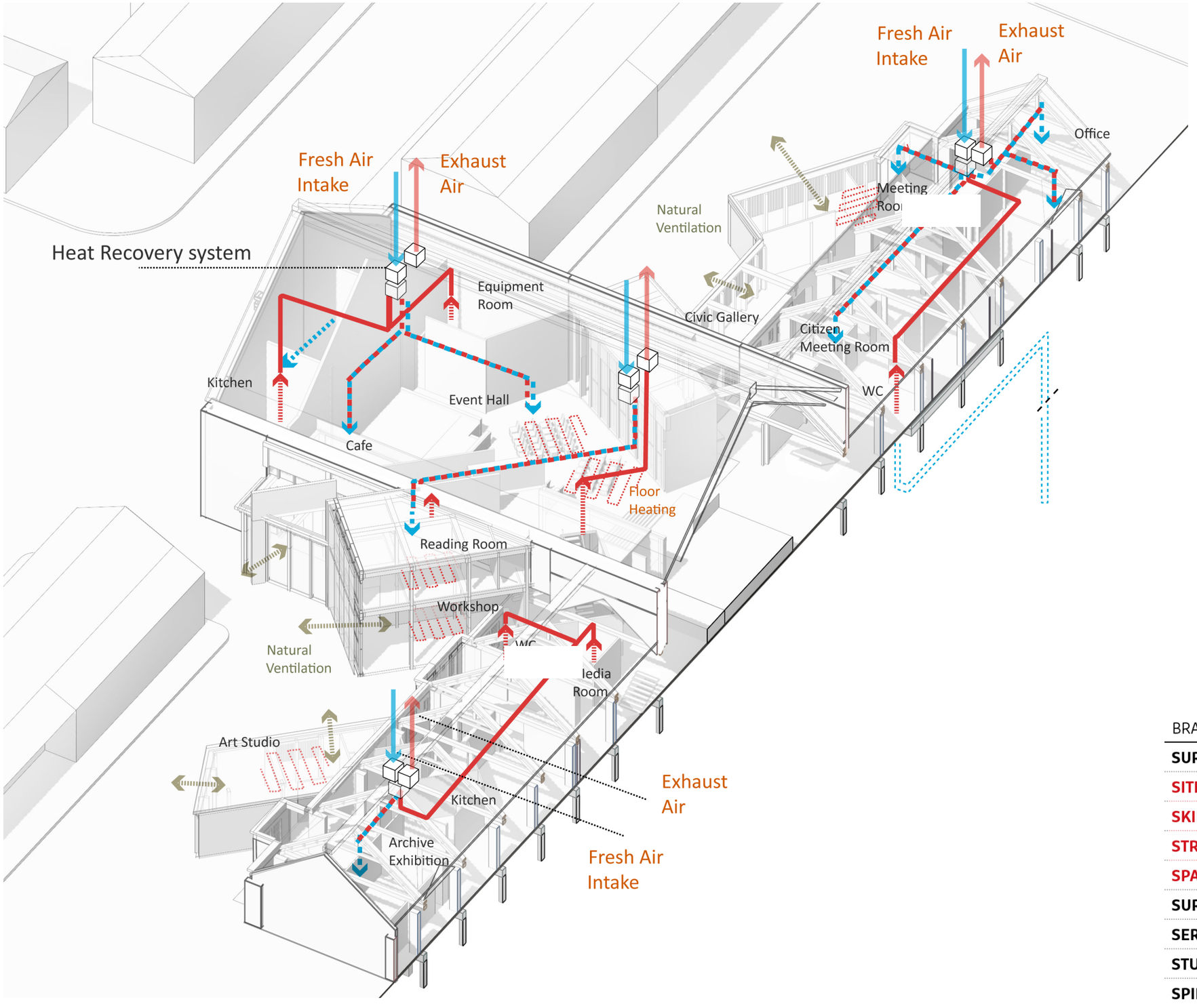


In Summer, hot air is blocked by blinds, reducing solar gain. Warm air rises and goes out through the top. Windows stay closed in both cases.



Temperature of the inblown air spread through the building

Heating and Cooling (Service)



In the service design aspect, the intervention does not aim to contribute to the building's heritage value as defined by Riegl.

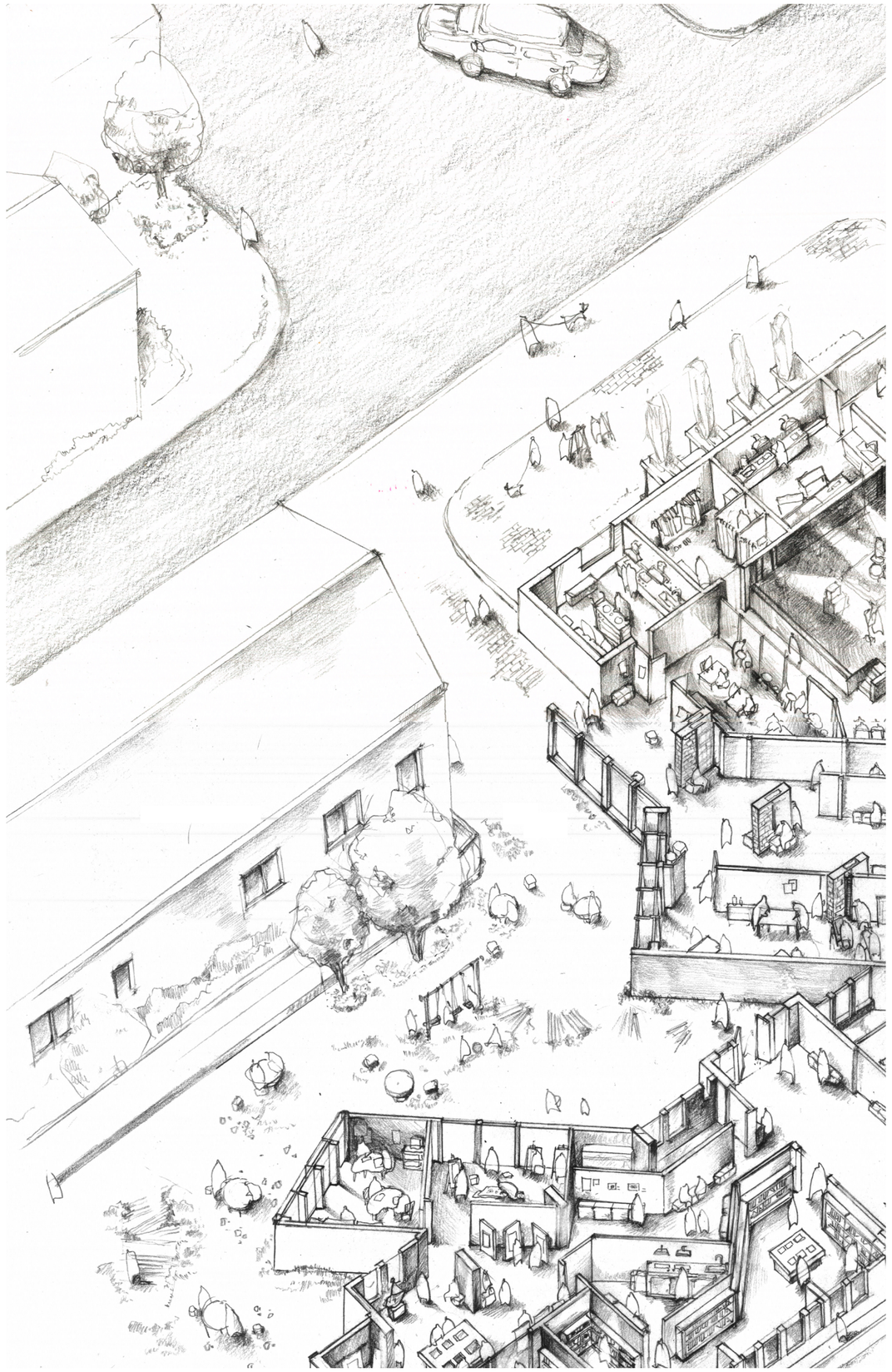
Instead, the primary design principle was to ensure a comfortable and healthy indoor climate for users.

BRAND + / RIEGL +	AGE value	HISTORICAL value	INTENTIONAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]	■	■					
SITE			■		▪		
SKIN (exterior)	■		■			□	▪
STRUCTURE			□	■	■	□	
SPACE PLAN	■		■		▪		
SURFACES (interior) [+]	■		■				
SERVICES							
STUFF	■						
SPIRIT of PLACE [+]			▪				

Reflection & Conclusion

The Focus

	Age	Historical	Intentional Commemorative	Non Intentional Commemorative	Use	New-ness	Art
Setting	Trace for past: 1930s surrounding urban development as hints of former ages	Landmarks near surroundings: NDSM Shipbuilding Industry					
Site			The central square: representation of centralized order and hierachy Integrate everyday experience to existing site hierachy		The central square: can be used for gathering Provide assessibility and new functionality to site		
Skin	The building's skin: Old Brickwork, elements / openings of the facade		Facade as a Symbol: Representing a 'Heritage Narrative' Expose the neglected value of its rear facade			Introduce new spatial and material contrast and contemporary experience	Amsterdam school style; Artistic statues value Exposed the art value by designing the new entrance
Structure			Preserve existing timber truss (to maintain the original and symbolic authority of the space)	Brick and wood construction: Becomes 1930s Structural Aesthetic	Timber Truss with huge span: Leave enough space for use	New structure system is applied to enhance the social meaning	
Space Plan			Event hall on the center: Remind of workingclass's everyday life; Introduce spatial tensions between the authority and the everyday		Multi-functional Use: can be used for vairous activities 3 scenarios are introduced for inclusive use and democratic managment		
Surface	Old Interior ornament: Reflect 1930s interior aesthetic		Design of the stage: Symbol of the building's functionality The design of the stage is preserved throughout renovation				
Services		Not important in this case					
Stuff	Furniture: Audiance seats; wooden stage						
Spirit of Place			Working Atmosphere: place for workingclass, representing 'free' and 'democracy' 3 scenarios are introduced to bring the spirit of the place back				

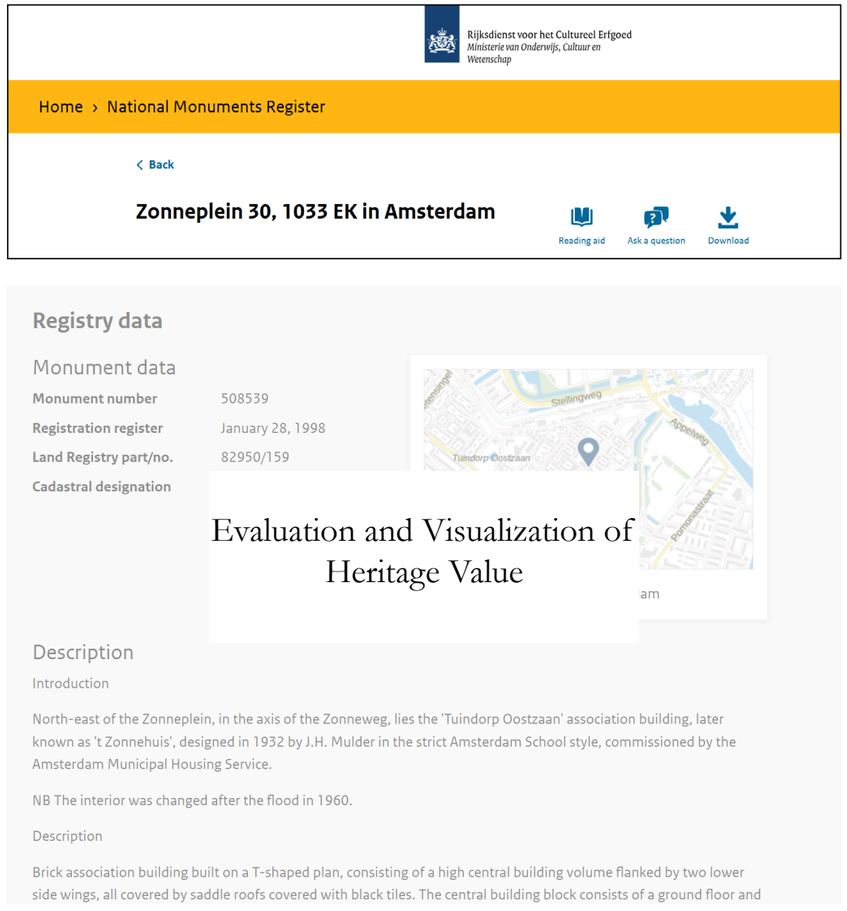


Thank you!

Site as a Municipal Monument

Zonnehuis,
Zonneplein 30, Amsterdam (1933)





Rijksdienst voor het Cultureel Erfgoed
Ministerie van Onderwijs, Cultuur en Wetenschap

Home › National Monuments Register

‹ Back

Zonneplein 30, 1033 EK in Amsterdam

Reading aid · Ask a question · Download

Registry data

Monument data

Monument number	508539
Registration register	January 28, 1998
Land Registry part/no.	82950/159
Cadastral designation	

Stellingweg · Appelweg · Tuindorp Oostzaan · Pompmolenstraat

Evaluation and Visualization of Heritage Value

Description

Introduction

North-east of the Zonneplein, in the axis of the Zonneweg, lies the 'Tuindorp Oostzaan' association building, later known as 't Zonnehuis', designed in 1932 by J.H. Mulder in the strict Amsterdam School style, commissioned by the Amsterdam Municipal Housing Service.

NB The interior was changed after the flood in 1960.

Description

Brick association building built on a T-shaped plan, consisting of a high central building volume flanked by two lower side wings, all covered by saddle roofs covered with black tiles. The central building block consists of a ground floor and

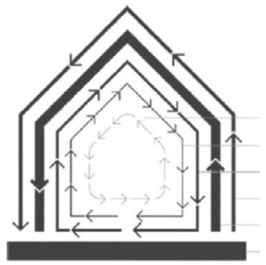
A civic building constructed in 1932 in Amsterdam North.
In 1998, it is listed as a national regiestered monument.

Heritage Values

Shearing Layers

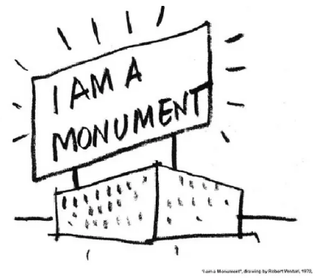
Stewart Brand,

Shearing layers 'How buildings learn' (1994)



Alois Riegl,

'The Modern Cult of Monuments: Its Essence and Its Development' (1996)





Marieke Kuipers, 2017, Designing from Heritage: Strategies for Conservation and Conversion

Site
Skin (Exterior)
Structure
Space Plan
Surfaces
Services
Stuff

+

Surrounding /Setting;
Surface (Interior);
Spirit of Place

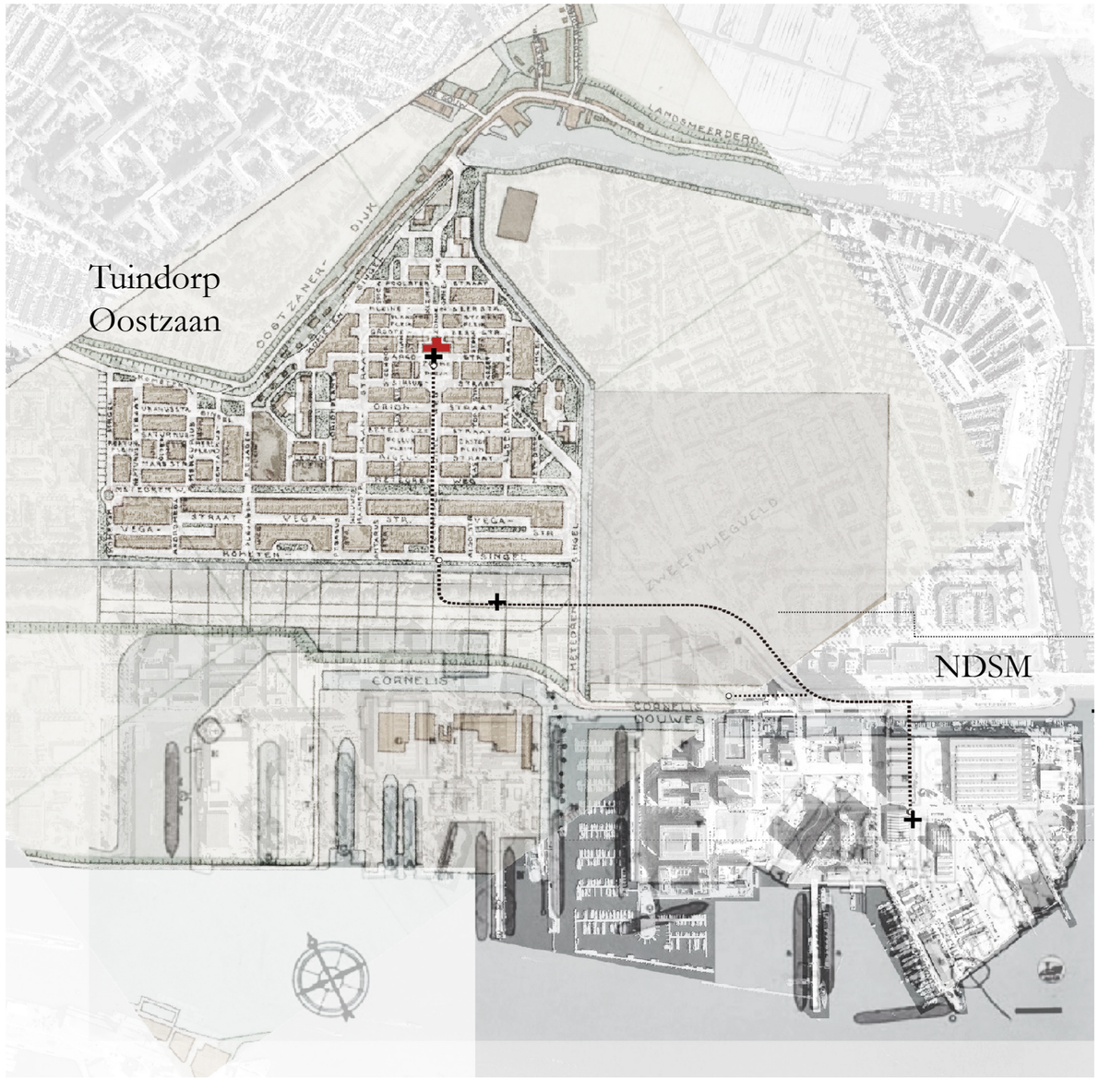
(Associate)

Age value
Historical value
Intentinal Commenorative value
Non Intentinal Commenorative Value
Use Value
New-ness value
(relative) Art value

2 On Context (1):

Evaluate Zonnehuis **as a heritage**
in authorized footages

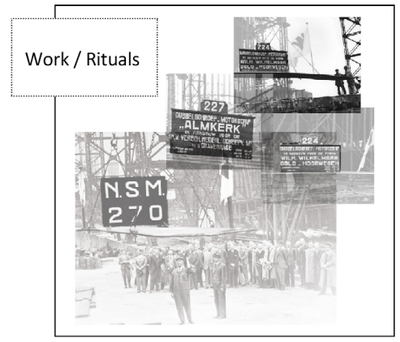
Surrounding / Setting

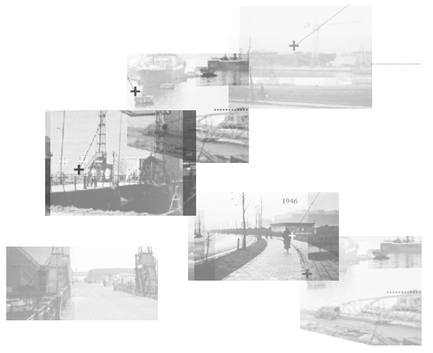


Spirit of Place

" The community life of residents of the district should be stimulated based on the philosophy that a flourishing club life is important for the education of the working class. " (In 1930)

Everyday Life of The Working Class



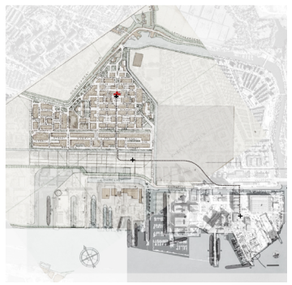




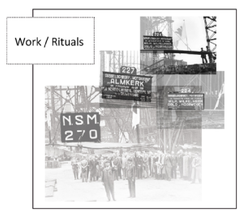
Photos: Historical Archive Village Oostzaan, 2008

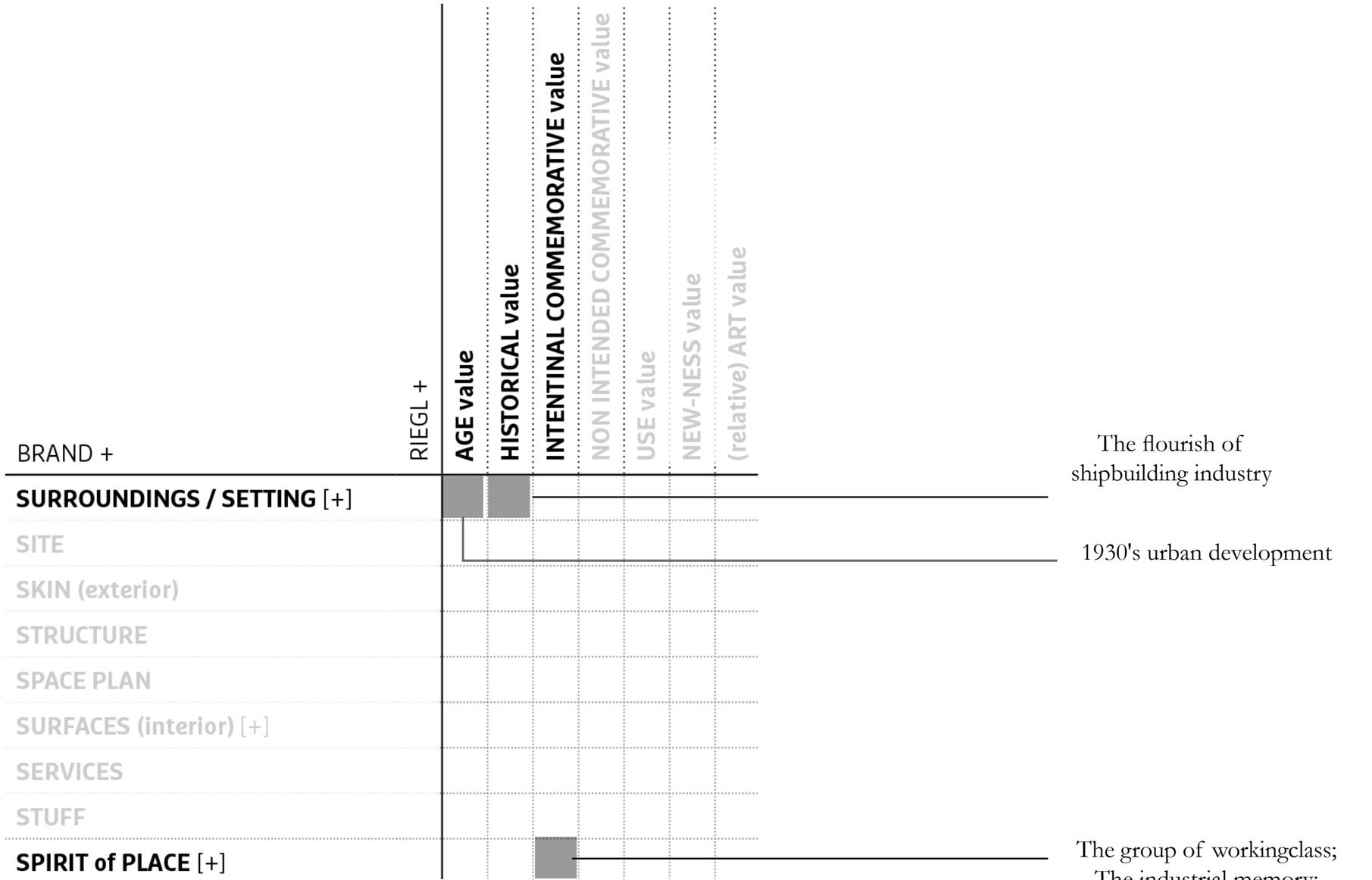


Flourish of Shipbuilding Industry in 20th Century





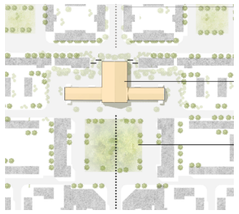

Work / Rituals
NSM
270

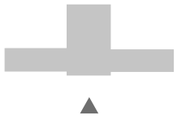

BRAND +
RIEGL +
AGE value
HISTORICAL value
INTENTINAL COMMEMORATIVE value
NON INTENDED COMMEMORATIVE value
USE value
NEW-NESS value
(relative) ART value
SURROUNDINGS / SETTING [+]
SITE
SKIN (exterior)
STRUCTURE
SPACE PLAN
SURFACES (interior) [+]
SERVICES
STUFF
SPIRIT of PLACE [+]
The flourish of shipbuilding industry
1930's urban development
The group of workingclass;
The industrial memory;



Site: Tuindorp Oostzaan

Situating in the central part of the oostzaan village. The Zonnehuis played a role in the club life in Tuindorp Oostzaan theatre clubs and harmonies used it and cinema performances were also given.



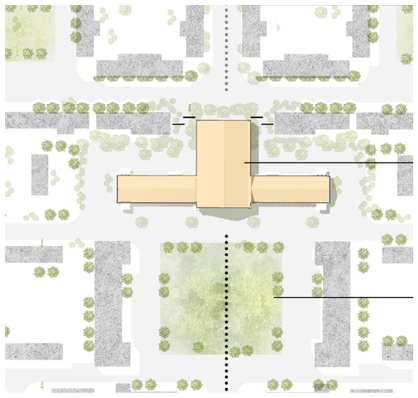




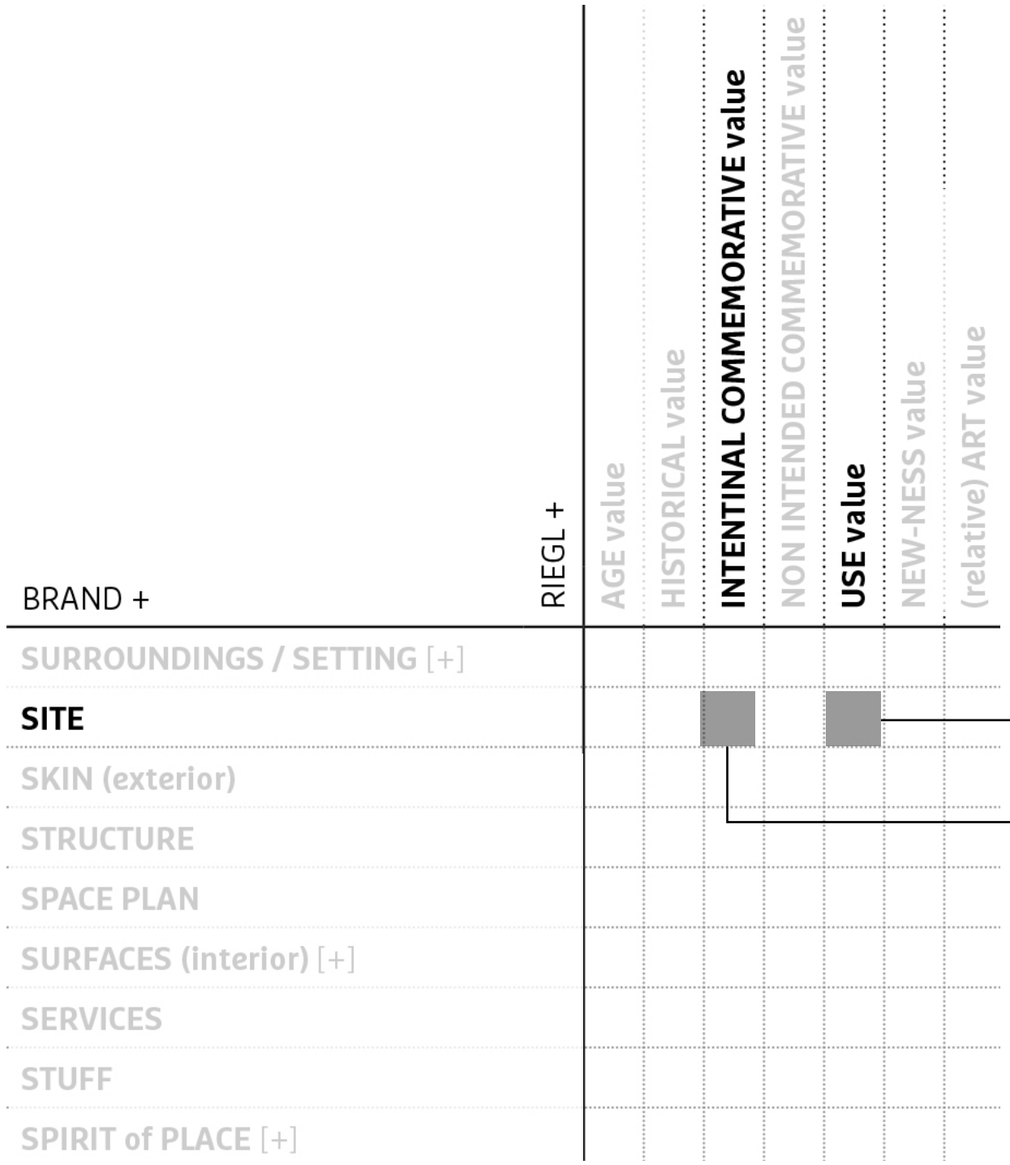
Site: In Zonneplein

(in 2009)

Brick association building in the Zonneplein consists of a high central building volume flanked by two lower side wings in a symmetrical plan.

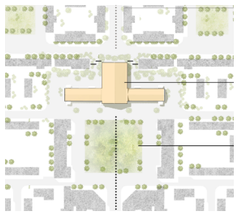


Central Position;
The square;
Site Layout



Public gathering

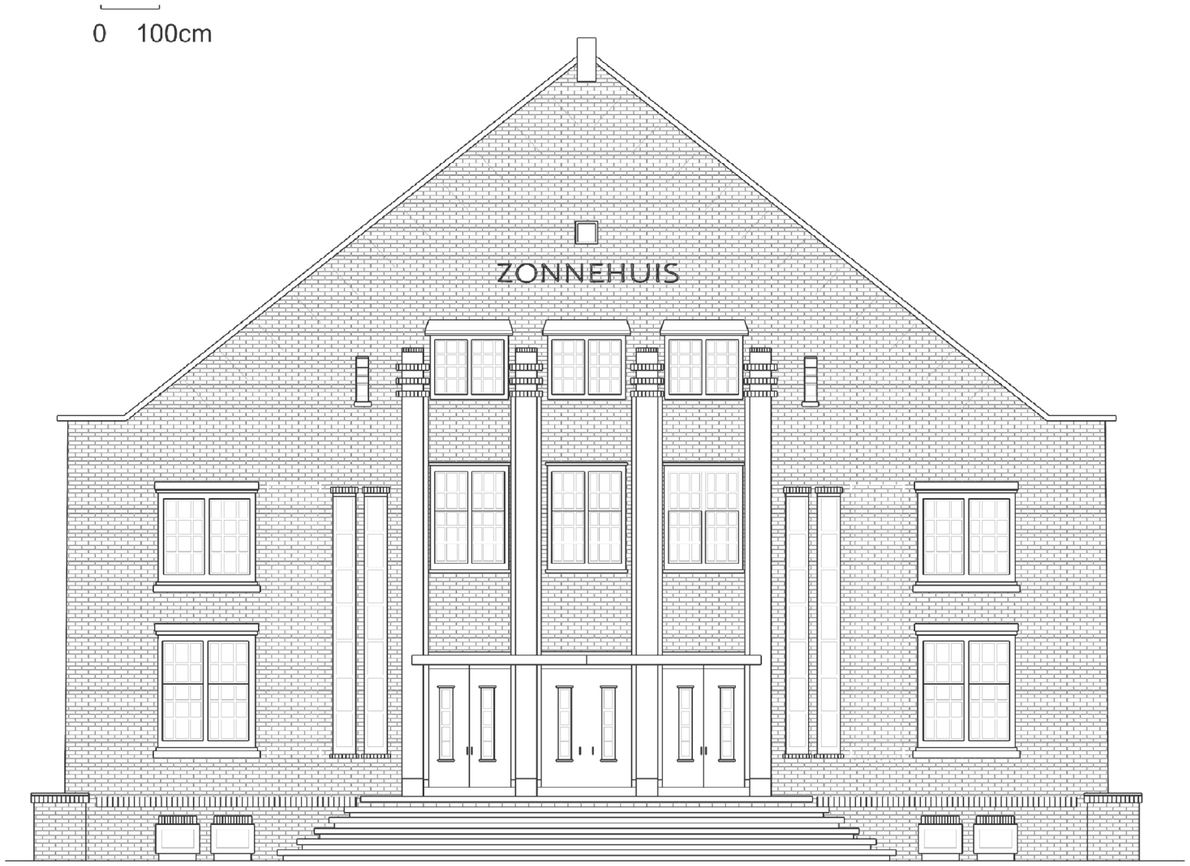
Centralized Order and hierachy;





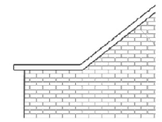
Site: In Zonneplein

Brick association building in the Zonneplein consists of a high central building volume flanked by two lower side wings in a symmetrical plan.



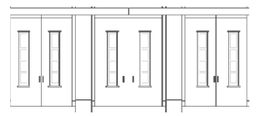
Front Facade Drawing

The decorative brickwork



The central building volume ends both at the front and the back in a gable with decorative brickwork along the edges. In the points a projecting natural stone block.

The entrance



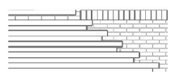
The three wooden entrance doors with narrow ladder-shaped divided windows are placed between brick pilasters rising from the ground floor to three quarters of the facade on natural stone plinths and provided with brick bands at the top.

The openings



Above the doors a projecting canopy. Above that, also situated between the pilasters, two rows of three windows placed on top of each other with six-pane windows, of which the windows in the bottom row are provided with a four-pane fanlight.

The Stairs



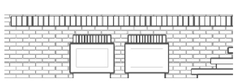
The central building volume has a main entrance in the middle on the side of the Zonneplein with a natural stone landing staircase.

The letters



Above the second row of windows in iron letters: 't ZONNEHUIS'.

The decorative short walls



The short side walls at the front of the central building block are provided with two windows placed one above the other, divided by bars.

Attributes - Skin (Rear Elevation)





Attributes - Skin (Rear Elevation)

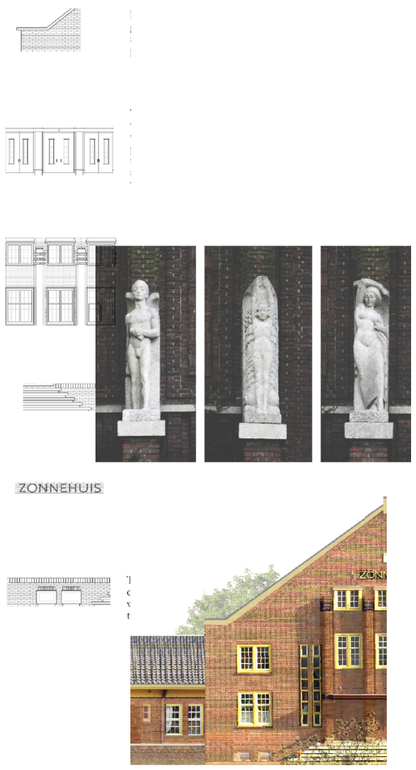


Backside Facade Drawing



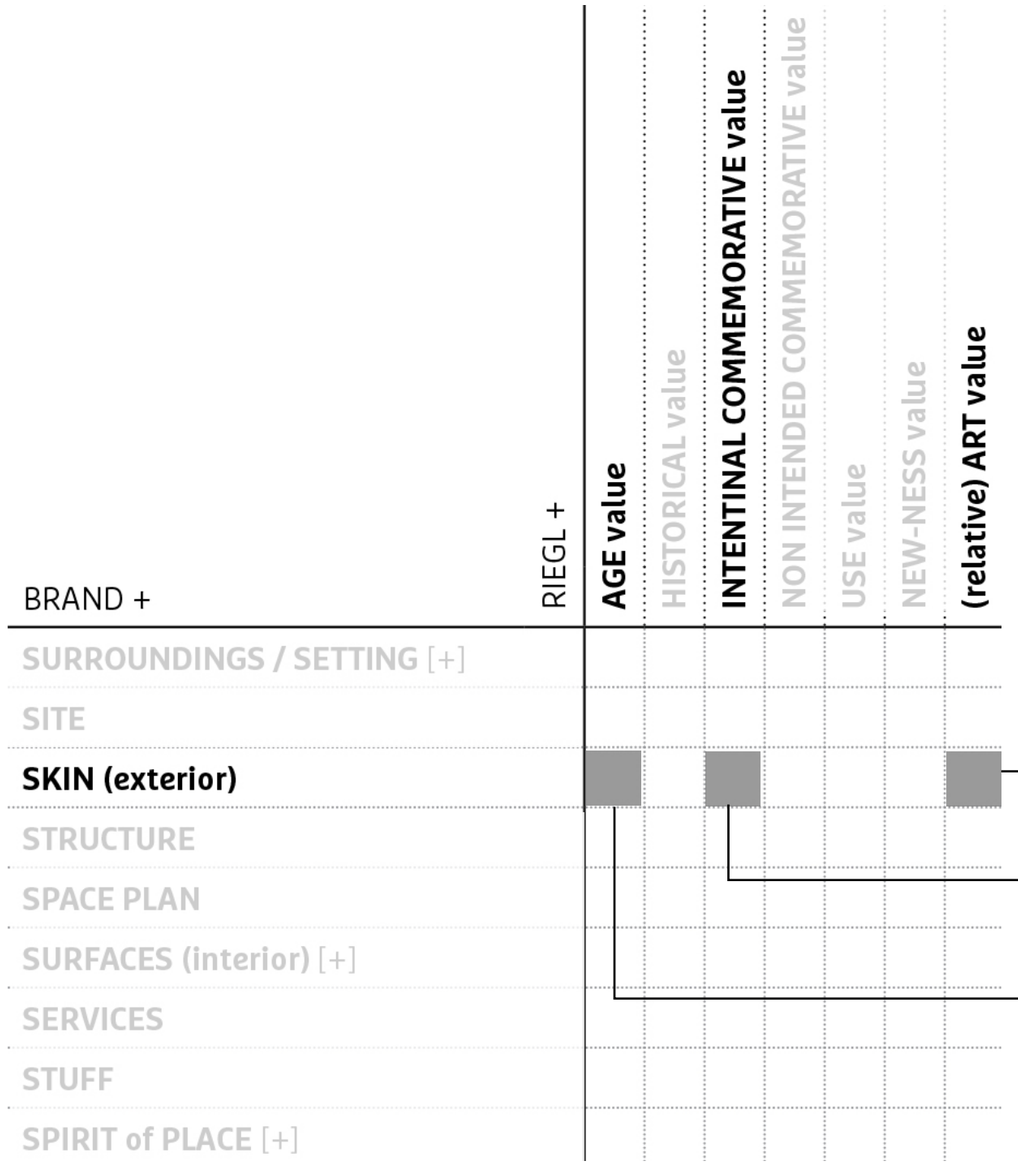
June 2019, From Google maps

Reflected Values - Skin



The volume,
Brickwork,
Ornaments,
Openings,
The Entrance;

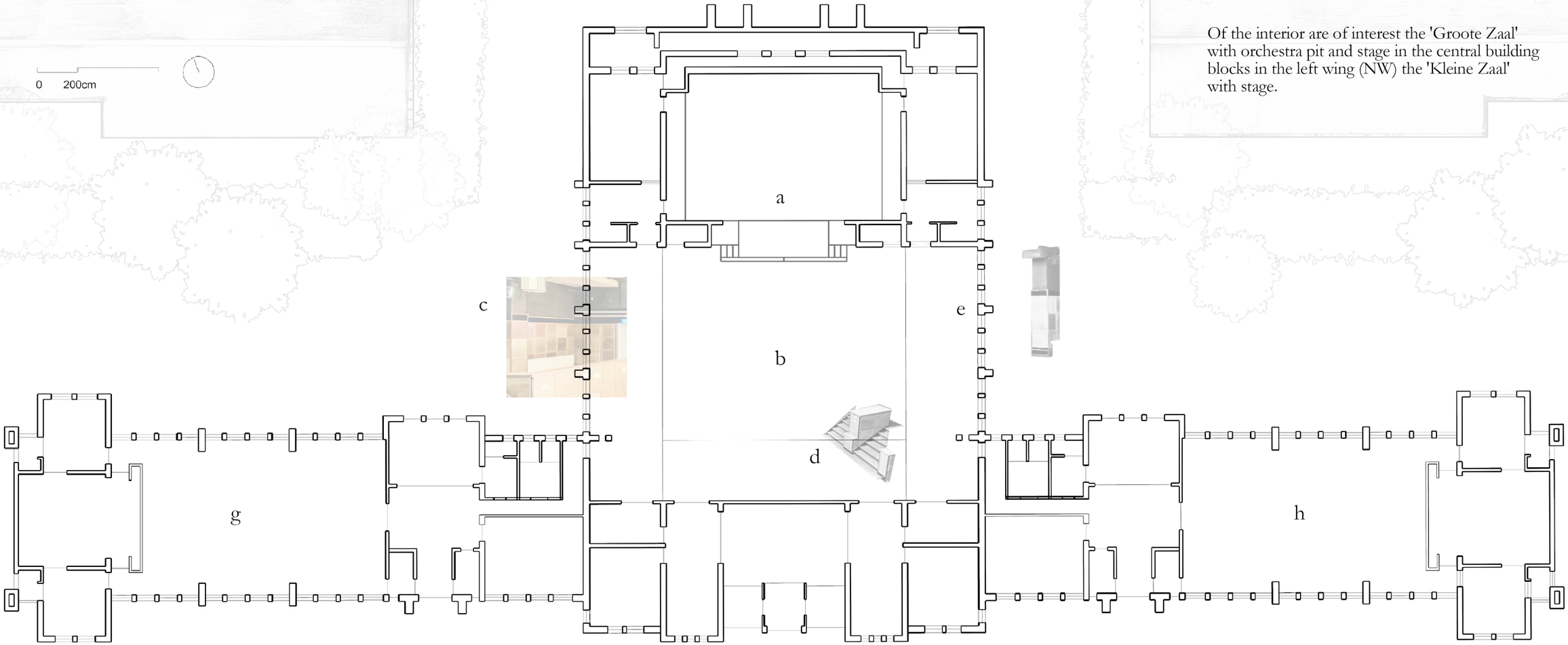
Amsterdam School;
well-preserved



Attributes - Space Plan /Stuff (Spatial Organization)

0 200cm

Of the interior are of interest the 'Groote Zaal' with orchestra pit and stage in the central building blocks in the left wing (NW) the 'Kleine Zaal' with stage.

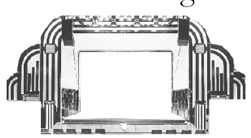




g. The small hall



f. The main event hall



a. The Stage



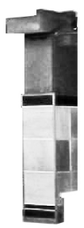
b. The audience space



c. The interior cladding



d. The stairs

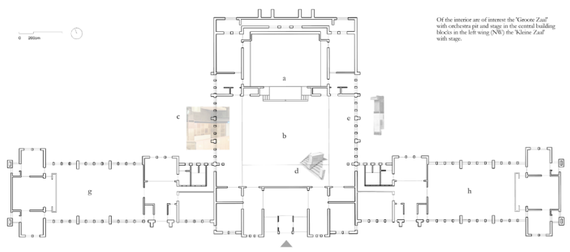


e. The column

h. The Office/ club rooms
(Closed / not in use)

Interior - The Event Hall (2019)







g. The small hall

f. The main event hall

a. The Stage



c. The interior cladding



e. The column



b. The audience space



e

d. The stairs



BRAND +

RIEGL +

AGE value

HISTORICAL value

INTENTINAL COMMEMORATIVE value

NON INTENDED COMMEMORATIVE value

USE value

NEW-NESS value

(relative) ART value

SURROUNDINGS / SETTING [+]

SITE

SKIN (exterior)

STRUCTURE

SPACE PLAN

SURFACES (interior) [+]

SERVICES

STUFF

SPIRIT of PLACE [+]

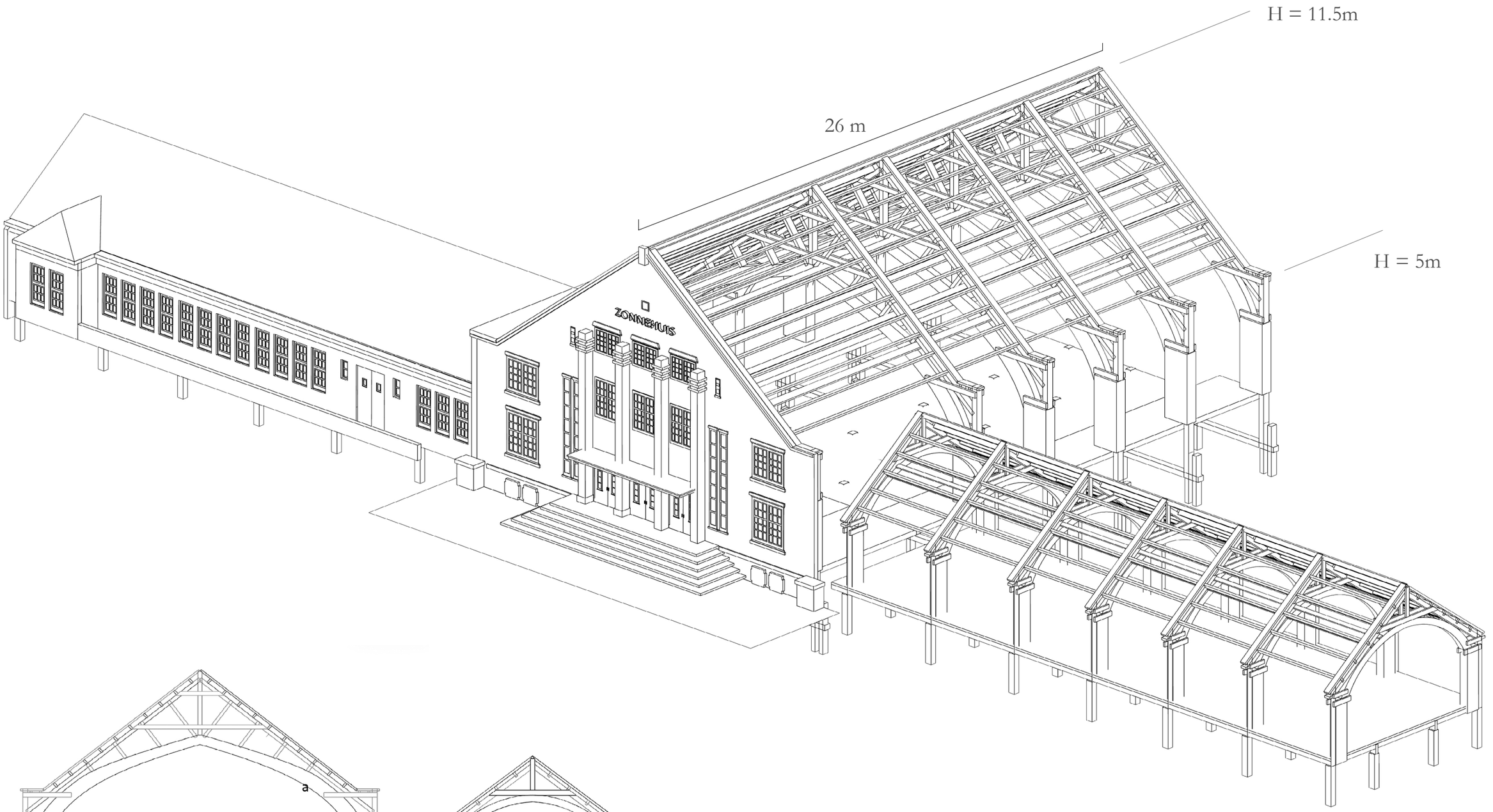
Symmetrical programme organization

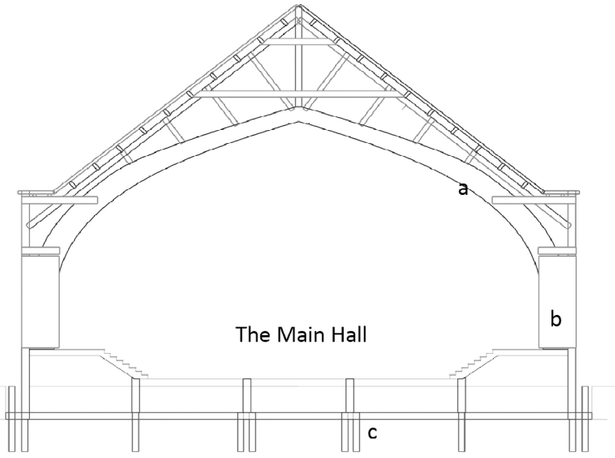
Space for Public Gathering

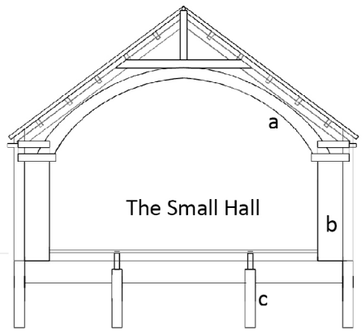
The mian stage as a symbol

1930s Interior Aesthetic

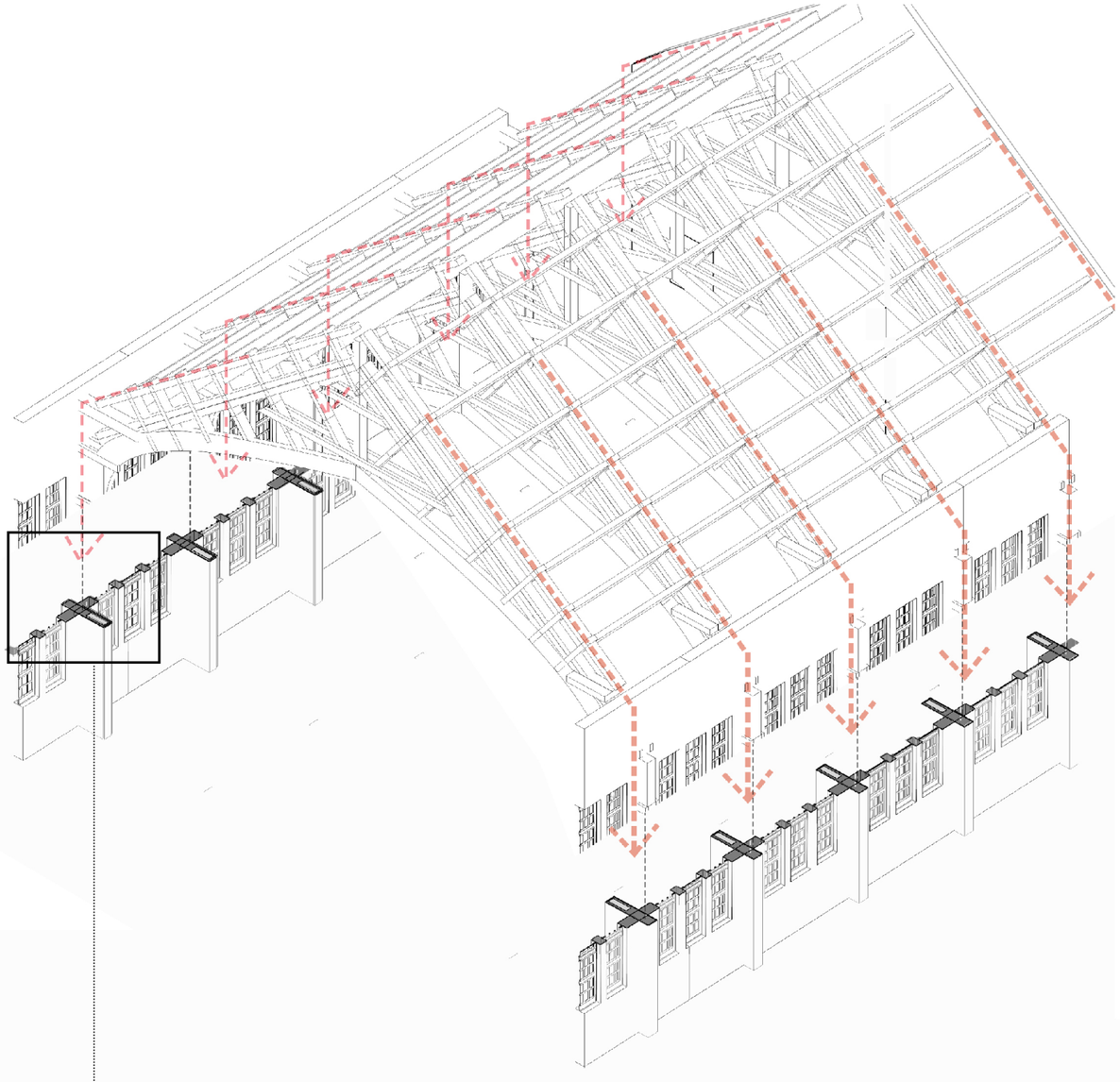
Attributes - Structure



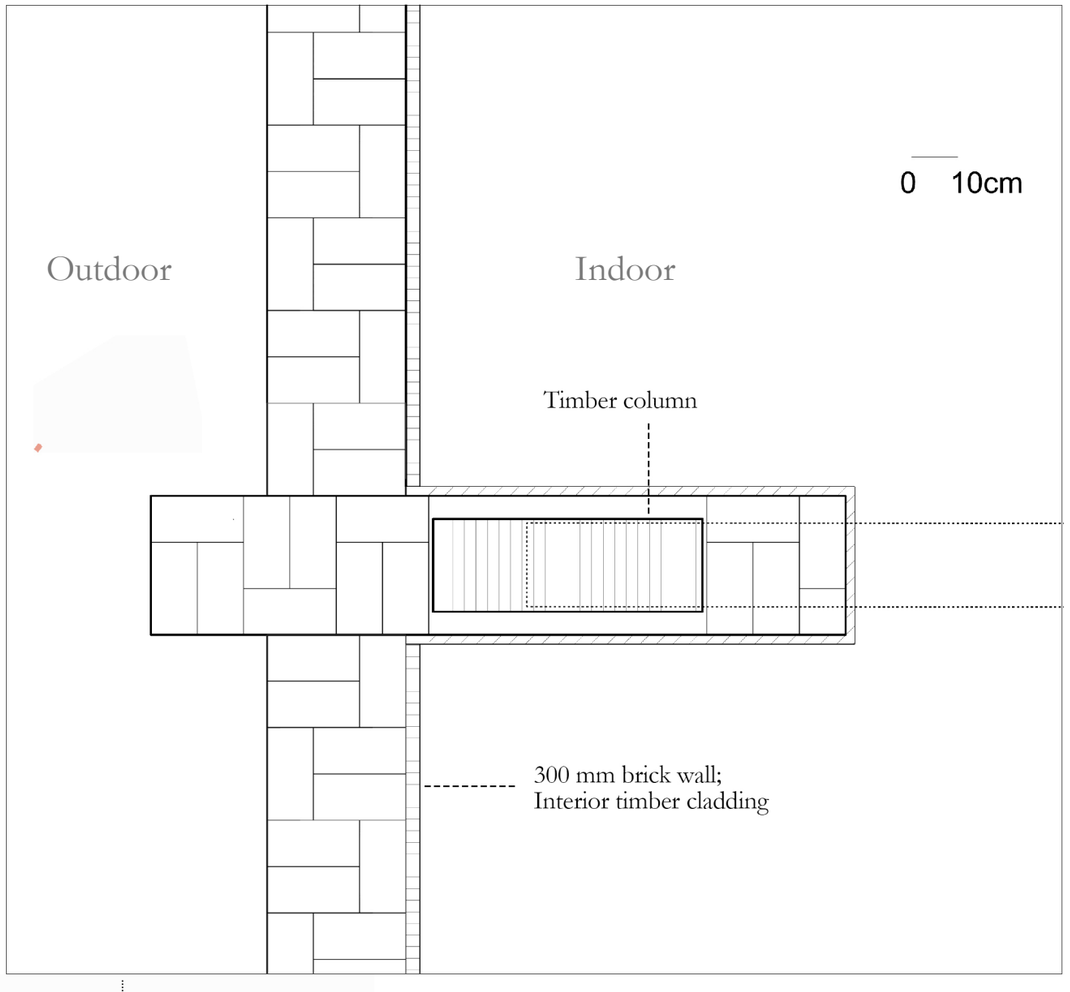




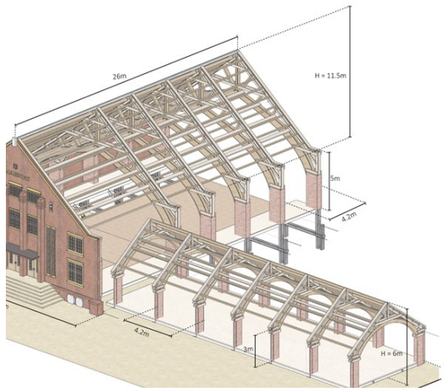
a Arched Roof Trusses (Wood)
b Load-Bearing Brick Supports (Masonry)
c Pile foundation (Concrete)

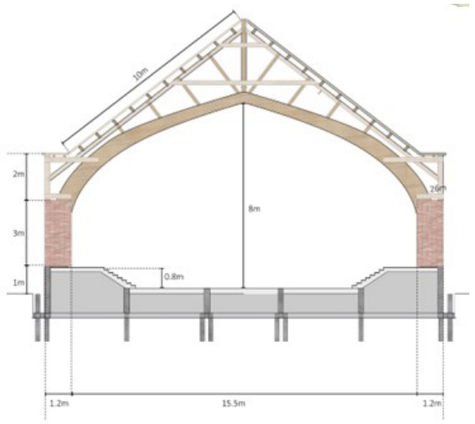


External wall: non-load-bearing;
Timber column/truss: load-bearing

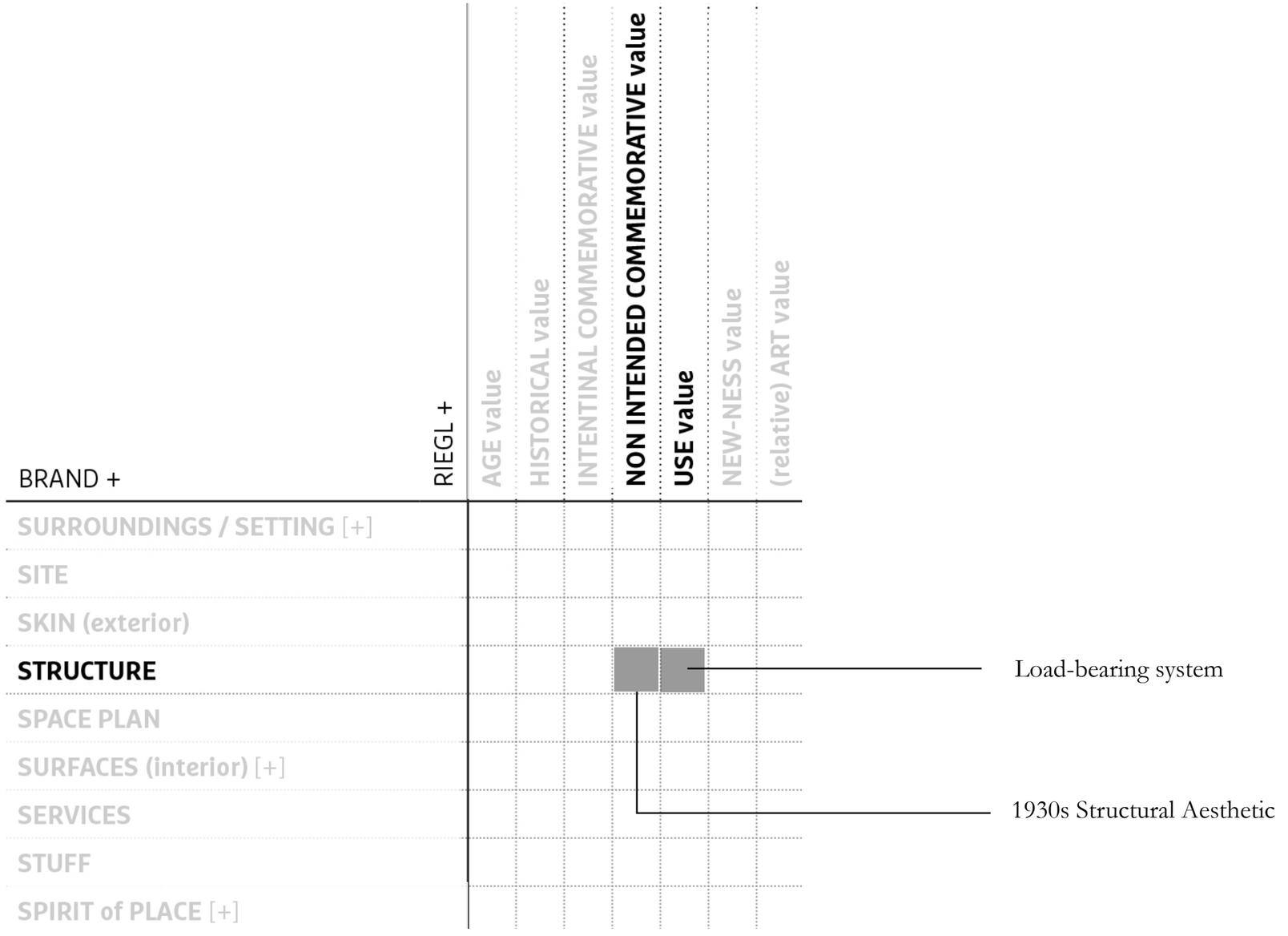


Timber-brick Interface





The 1930s constructional approach, have gradually gained symbolic significance in Zonnehuis. Originally a standard structural solution, they now contribute to the building's non-intentional commemorative value.



Reflection - Assessing as a Heritage

BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]		■	■					
SITE								
SKIN (exterior)								
STRUCTURE								
SPACE PLAN								
SURFACES (interior) [+]								
SERVICES								
STUFF								
SPIRIT of PLACE [+]				■				

BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]								
SITE				■		■		
SKIN (exterior)								
STRUCTURE								
SPACE PLAN								
SURFACES (interior) [+]								
SERVICES								
STUFF								
SPIRIT of PLACE [+]								

BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]								
SITE								
SKIN (exterior)								
STRUCTURE								
SPACE PLAN					■		■	
SURFACES (interior) [+]		■			■			
SERVICES								
STUFF		■						
SPIRIT of PLACE [+]								

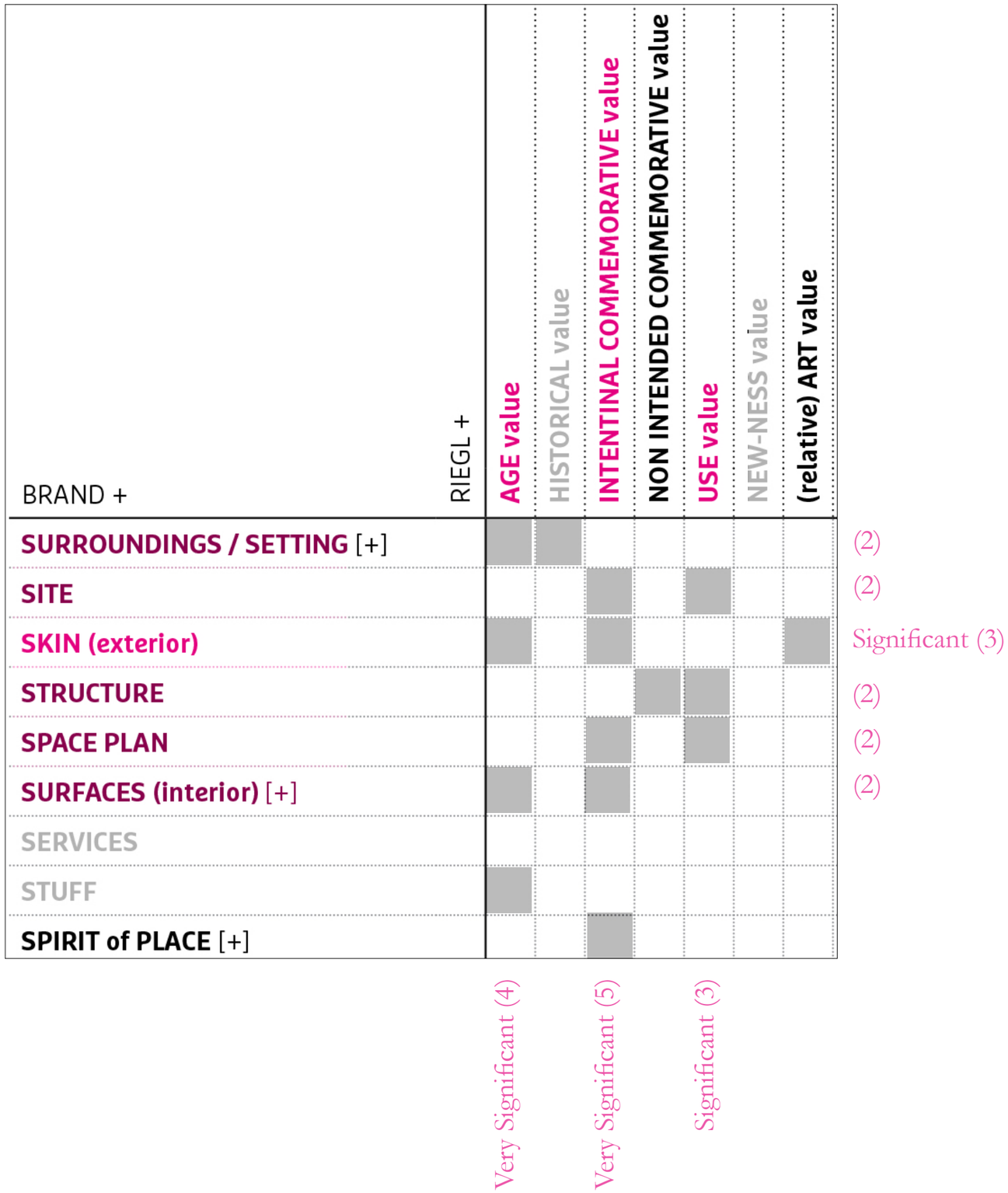
BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]								
SITE								
SKIN (exterior)		■		■				■
STRUCTURE								
SPACE PLAN								
SURFACES (interior) [+]								
SERVICES								
STUFF								
SPIRIT of PLACE [+]								

BRAND +	RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]								
SITE								
SKIN (exterior)								
STRUCTURE					■	■		
SPACE PLAN								
SURFACES (interior) [+]								
SERVICES								
STUFF								
SPIRIT of PLACE [+]								

Reflection - Assessing as a Heritage

The Focus

	Age	Historical	Intentional Commemorative	Non Intentional Commemorative	Use	New-ness	Art	
Setting	Trace for past: 1930s surrounding urban development as hints of former ages	Landmarks near surroundings: NDSM Shipbuilding Industry						(2)
Site			The central square: representation of centralized order and hierachy		The central square: can be used for gathering			(2)
Skin	The building's skin: Old Brickwork, elements / openings of the facade		Facade as a Symbol: Representing a 'Heritage Narrative'				Amsterdam school style; Artistic statues value	(3)
Structure				Brick and wood construction: Becomes 1930s Structural Aesthetic	Timber Truss with huge span: Leave enough space for use			(2)
Space Plan			Event hall on the center: Remind of working-class's everyday life;		Multi-functional Use : can be used for vairous activities			(2)
Surface	Old Interior ornament: Reflect 1930s interior aesthetic		Design of the stage: Symbol of the build-ing's functionality					(2)
Services		Not important in this case						
Stuff	Furniture: Audiance seats; wooden stage							
Spirit of Place			Working Atmosphere: place for workingclass, representing 'free' and 'democracy'					
	(4)		(5)		(3)			



Renovation Principle 1:

As a built heritage,

Skin is the most imporant layer to reflect its hertiage value while the service is not very relevant;

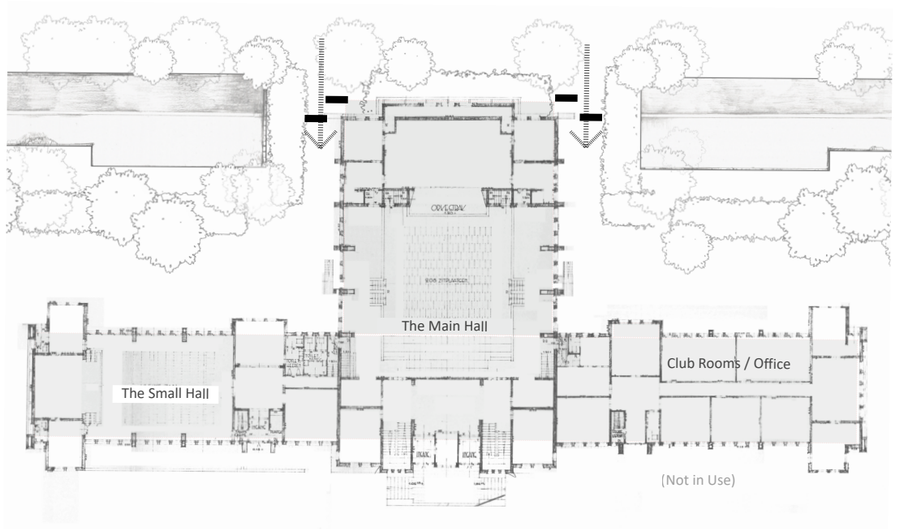
the value of Zonnehuis can be largely expressed by **Age value, Intentional commemorative value** and **Use value**

3 On Context (2):

Evaluate Zonnehuis **as a public place** in everyday footages

Issues (Affected Monumental Values)		Design Vision
Disconnection of Mounmentality and daily experience	→	Integrate the monumental value to daily experience
From Equality to Exclusion	→	A new everyday publicness
Monumental Architectural Form	→	Inclusive reinterpretations of the space
Top-down Ownership	→	Collective agency and participatory space

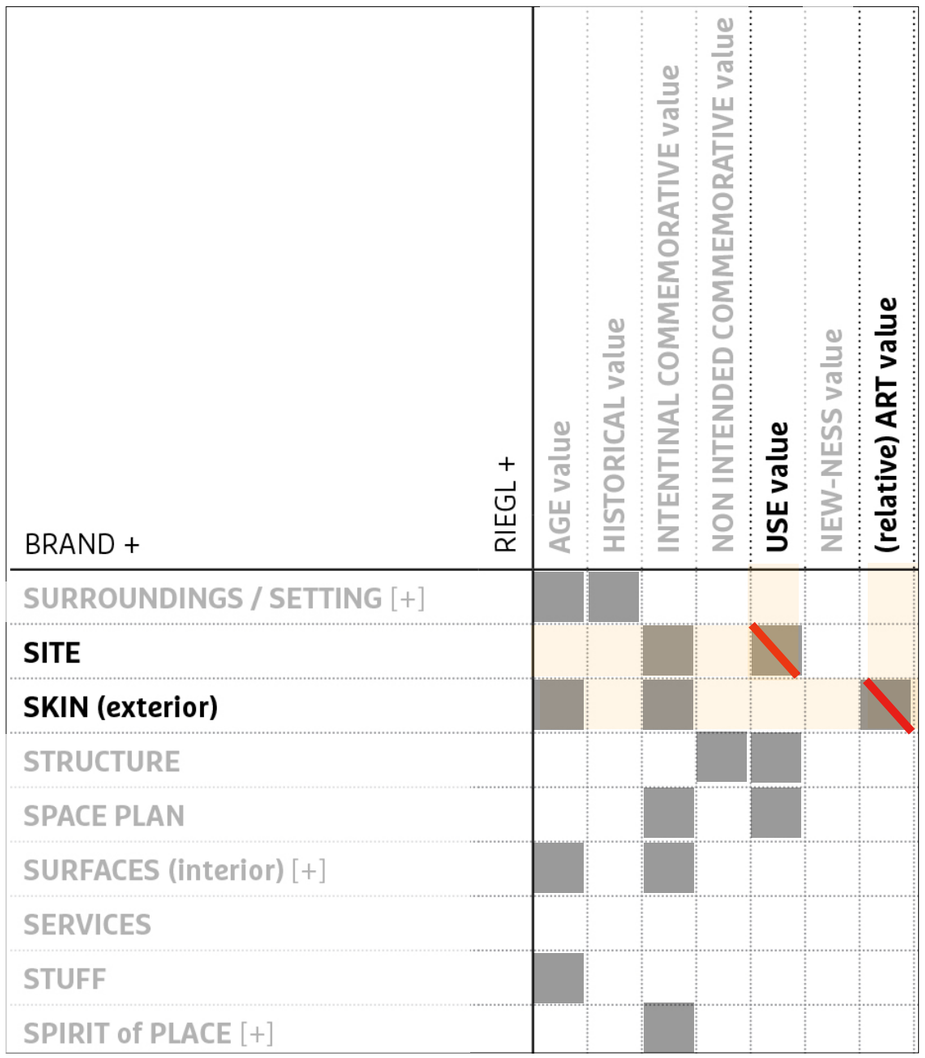
1 - Monumental Value Perceived in Daily Experience





Blocked Rear Entrance & Facade

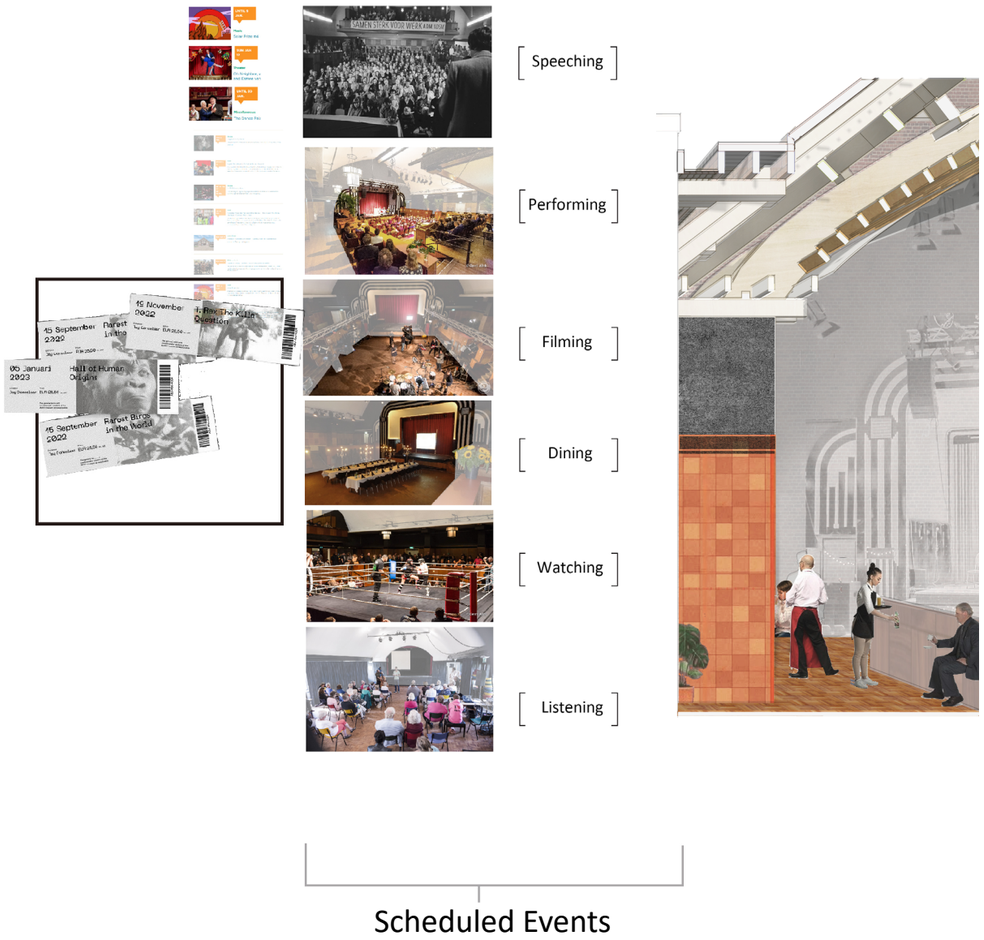
The view and access of the rear side in everyday life interface are blocked by vegetations and barriers.

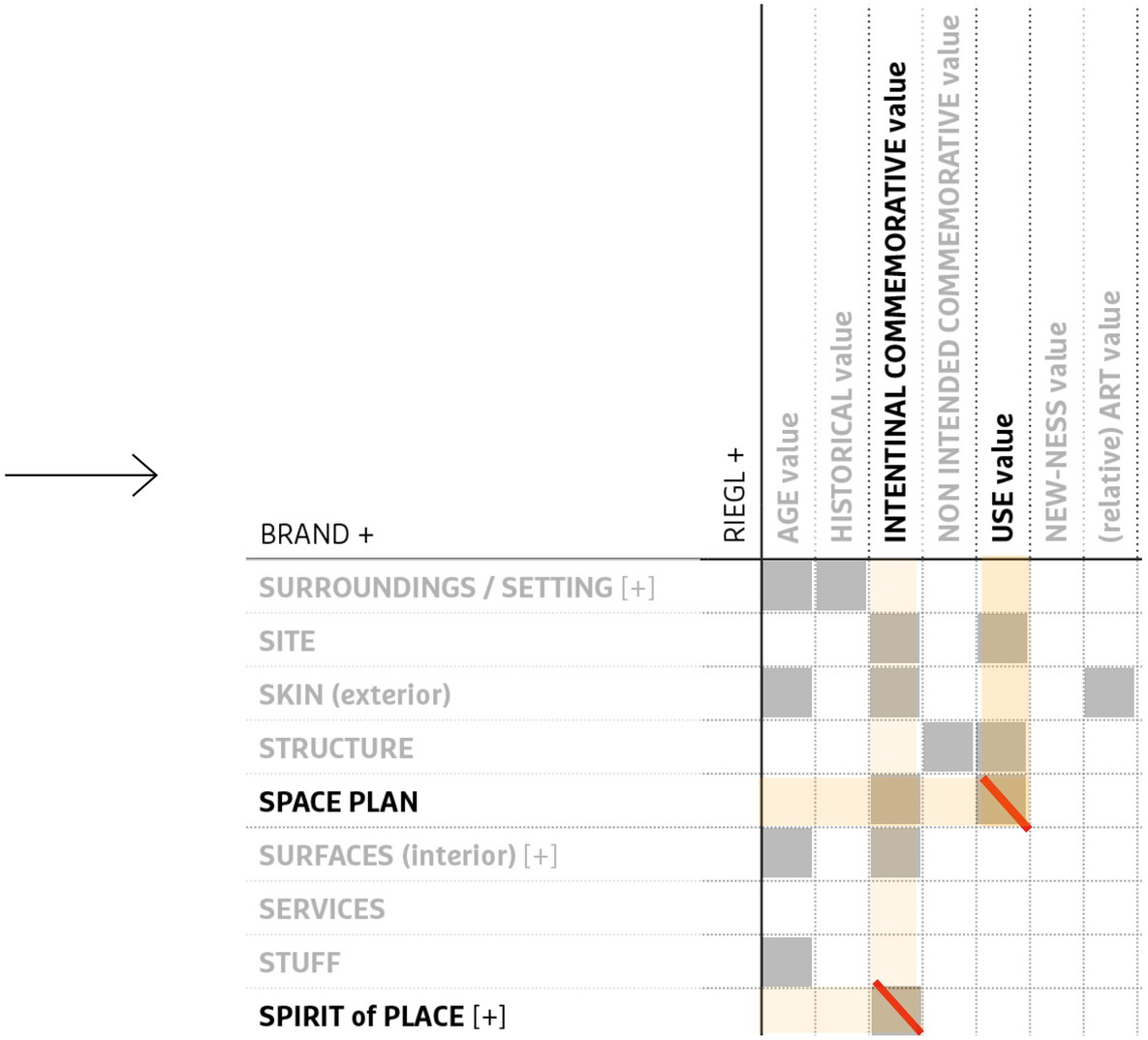


Integration in everyday life interface

Accessiblity (Use value) and representative statues / facade beauty (Art Value) on the rear side are affected in daily experience

2 - Programmes Use - Service Equality (Fair / unfair)





From equality to exclusion

Access is scheduled and paid.
Programs no longer reflect local needs.
The building follows a top-down model, limiting informal use.

Need a new everyday publicness

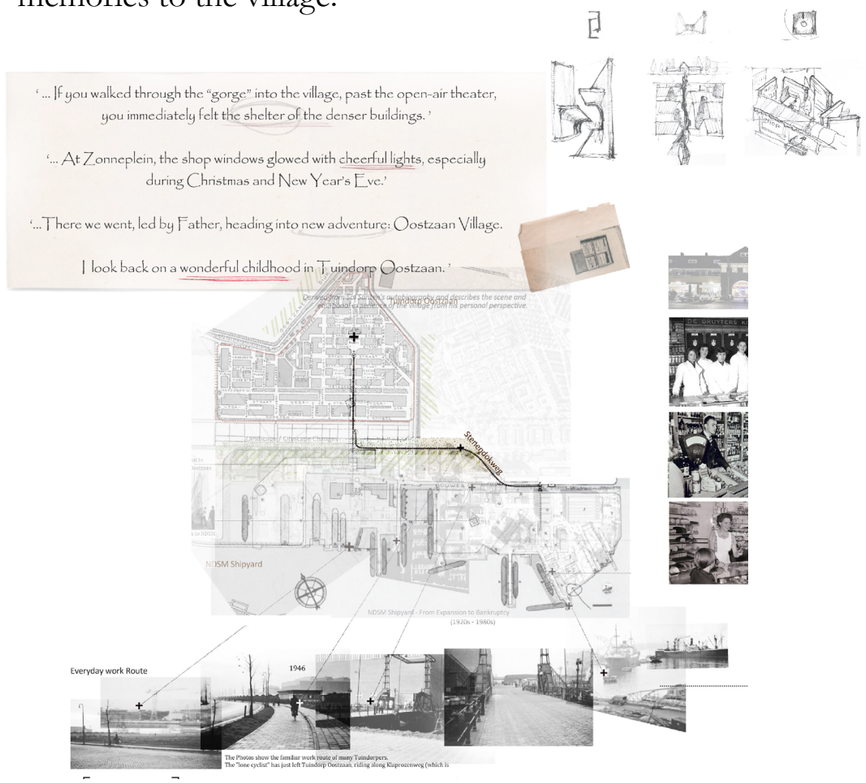
Informal Activities (Use Value of Space Plan) are now excluded;
The concept of working-class representing
'Free' 'Fair' (Spirit of Place) has been diminished

3 - Architectural Form (Exclusive / Inclusive)

Monument as a
top-down grand narrative:



Residents' pesonal perspectives
/ memories to the village:



Monumental Architectural Form

Formal architectural language reinforces hierarchy;
Historic identity may feel distant or from today's users

Introduce New-ness Value to the heritage

BRAND + / RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]							
SITE							
SKIN (exterior)							
STRUCTURE							
SPACE PLAN							
SURFACES (interior) [+]							
SERVICES							
STUFF							
SPIRIT of PLACE [+]							

Need Inclusive reinterpretations

(New-ness value is introducing new 'everyday context',
allowing various interpretations;
rather than mere 'modern refurbishment')

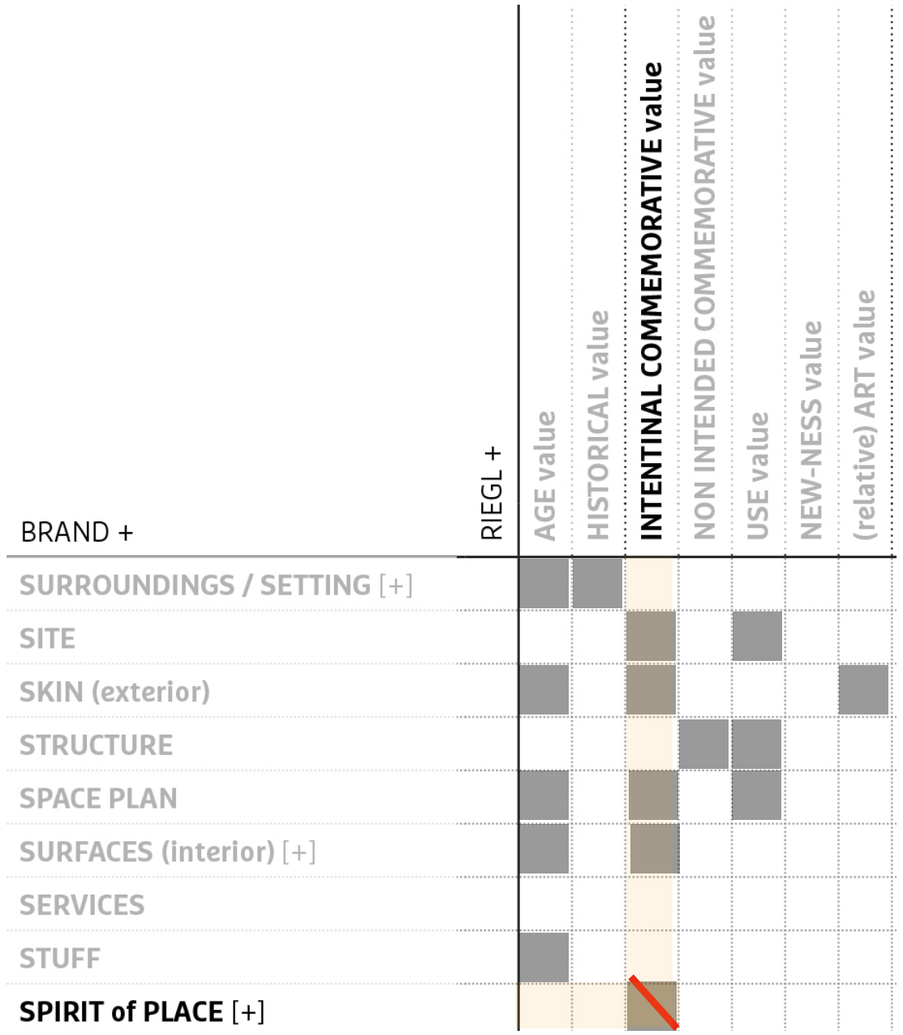
4 - Ownership Adminstration - Decision-making (Top-down / Bottom-up Needs)







Decisions on programming, maintenance, and renovation
are made without community involvement



Collective agency and participatory space

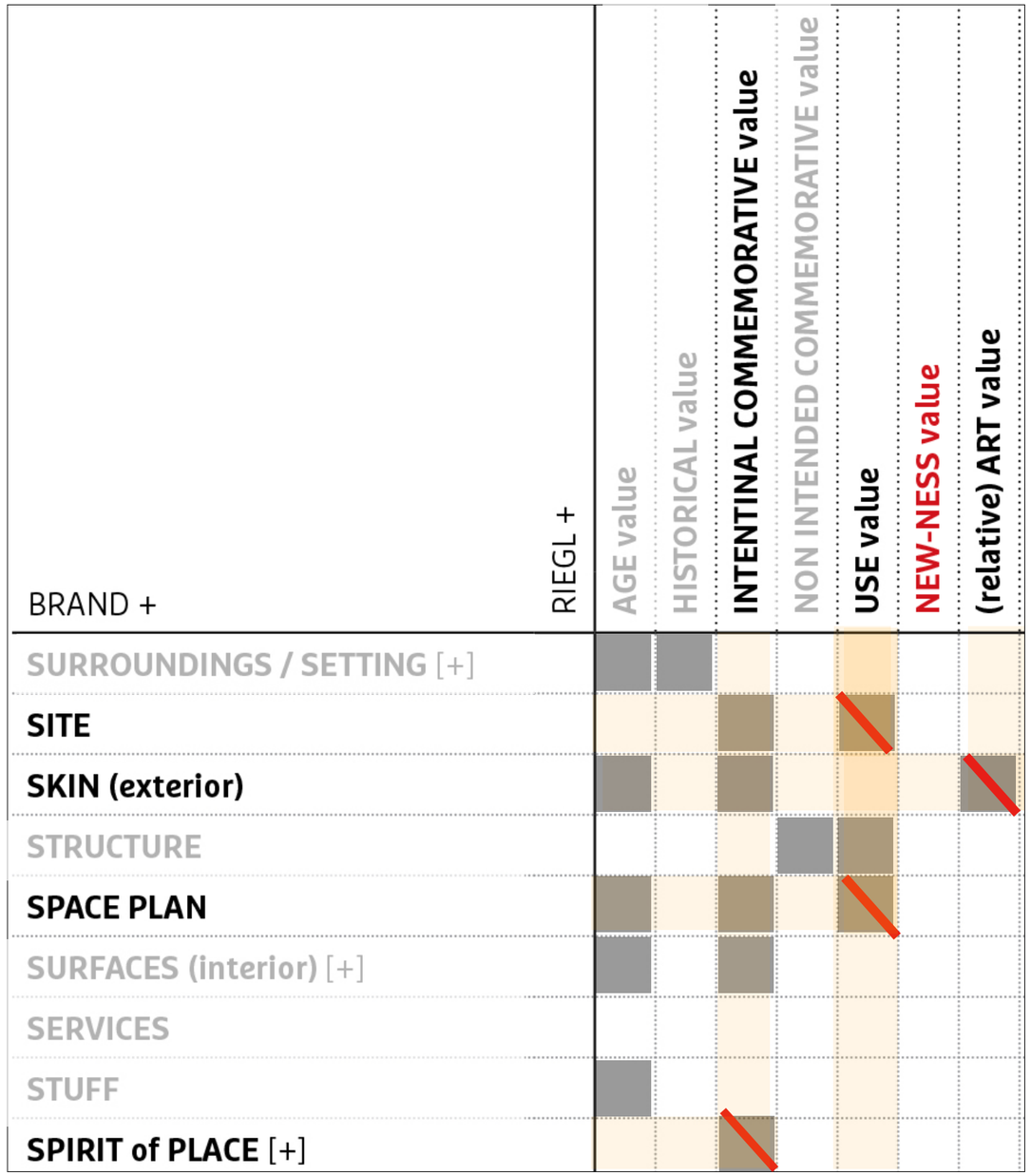
A lived-in space with everyday narratives,
Enables deliberative democracy

Reflection - Assessing as a Public Space

The Focus

The Focus

	Age	Historical	Intentional Commemorative	Non Intentional Commemorative	Use	New-ness	Art	
Setting	Trace for past: 1930s surrounding urban development as hints of former ages	Landmarks near surroundings: NDSM Shipbuilding Industry						(2)
Site			The central square: representation of centralized order and hierachy		The central square: can be used for gathering Integration to the every-day experience is affected			(2)
Skin	The building's skin: Old Brickwork, elements / openings of the facade		Facade as a Symbol: Representing a 'Heritage Narrative' - But rear facade??				Amsterdam school style; Artistic statues value Perceived value by users is affected	(3)
Structure				Brick and wood construction: Becomes 1930s Structural Aesthetic	Timber Truss with huge span: Leave enough space for use			(2)
Space Plan			Event hall on the center: Remind of working-class's everyday life;		Multi-functional Use : can be used for vairous activities Exclude spontanous and free use			(2)
Surface	Old Interior ornament: Reflect 1930s interior aesthetic		Design of the stage: Symbol of the build-ing's functionality					(2)
Services								
Stuff	Furniture: Audiance seats; wooden stage							
Spirit of Place			Working Atmosphere: place for workingclass, representing 'free' and 'democracy' Affected by top-down ownership					
	(4)		(5)		(3)			

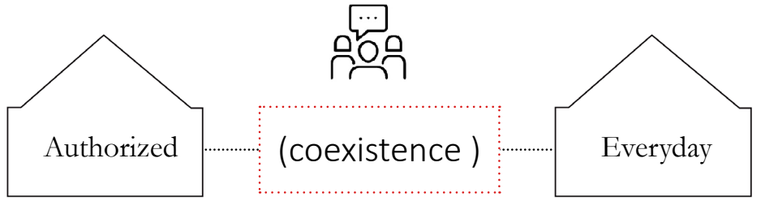


Renovation Principle 2:

As a public place,

Intentional commemorative value, Use value and **Art value** are needed to be revealed in everyda y encounters;

Introducing **New-ness value** that embraces new design forms / functions is also essential.



Design Vision

Zonnehuis should be reclaimed as an everyday civic platform, encouraging **democratic civic partiacipaation**, and staging a space where **both authorized and everyday lifes can coexist and interact**.

Emancipation

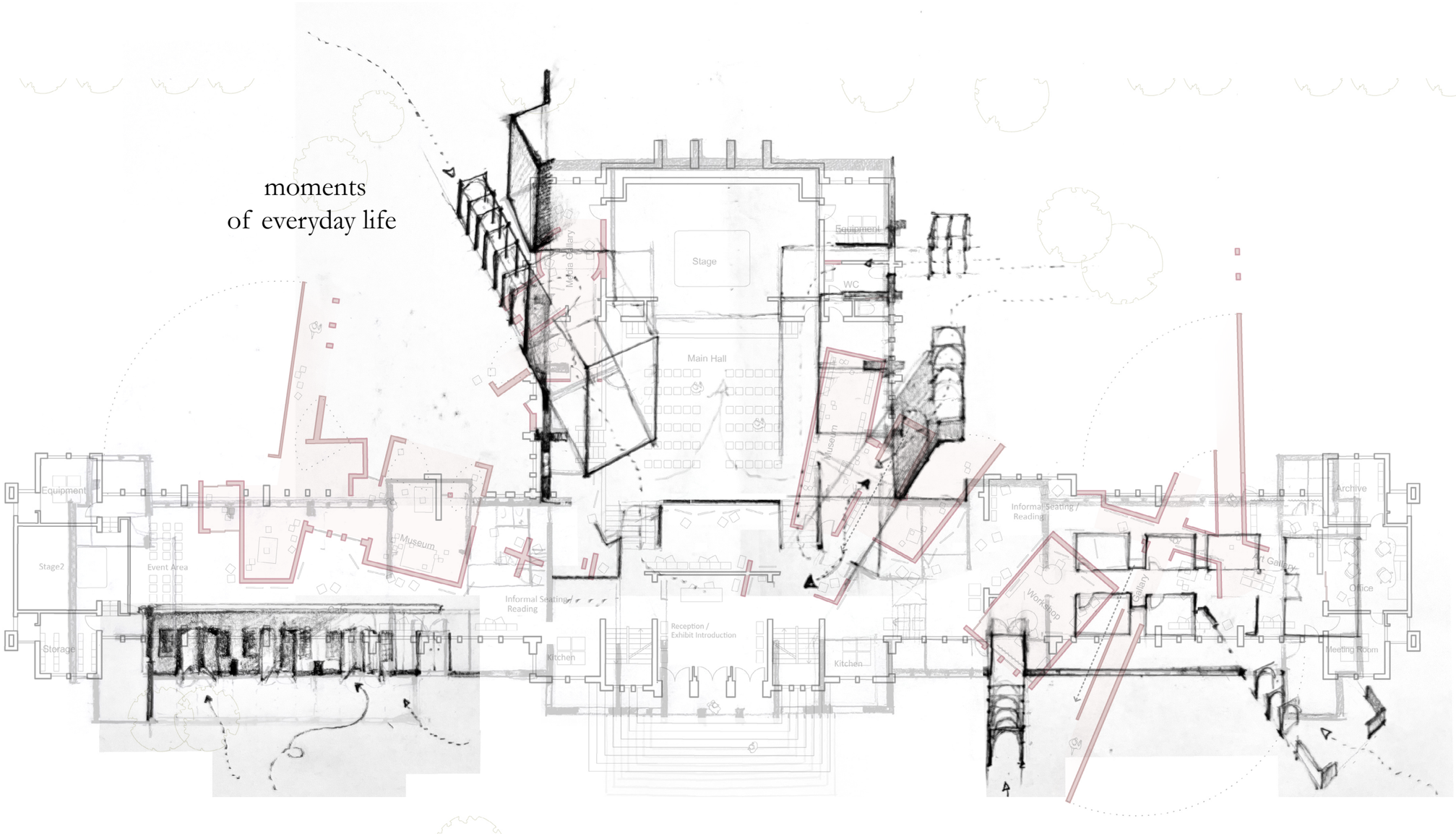
Civic Rituals

Deliberative Democracy

4 On Dynamics:

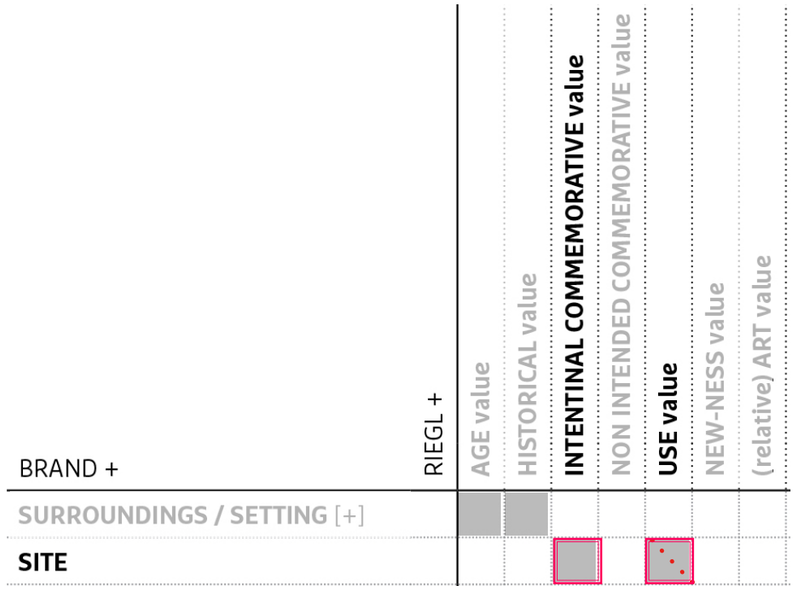
Architectural Design and Technical Approaches

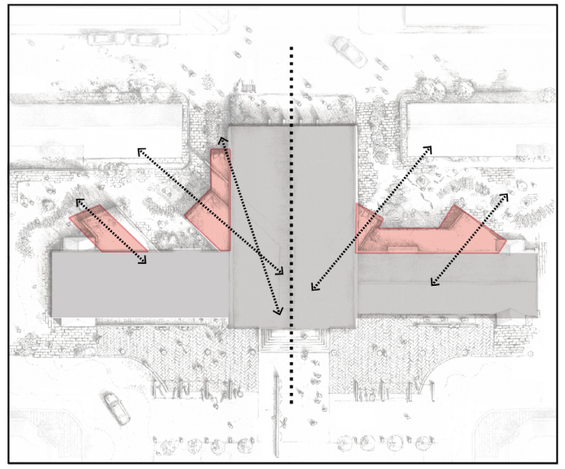
Concept:
Interstitial Space



A negotiation in Interstitial Space

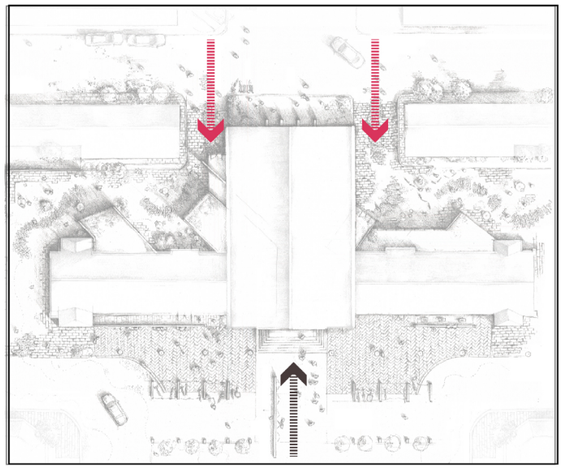
Enhanced Heritage Values - Site





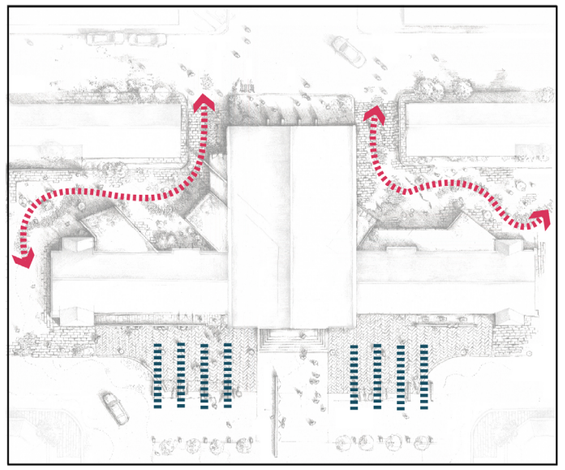
Breaking Symmetrical Order

Introduces asymmetry and spatial irregularity, bringing a and lived-in narrative



Reconfigured Access from Rear Façade

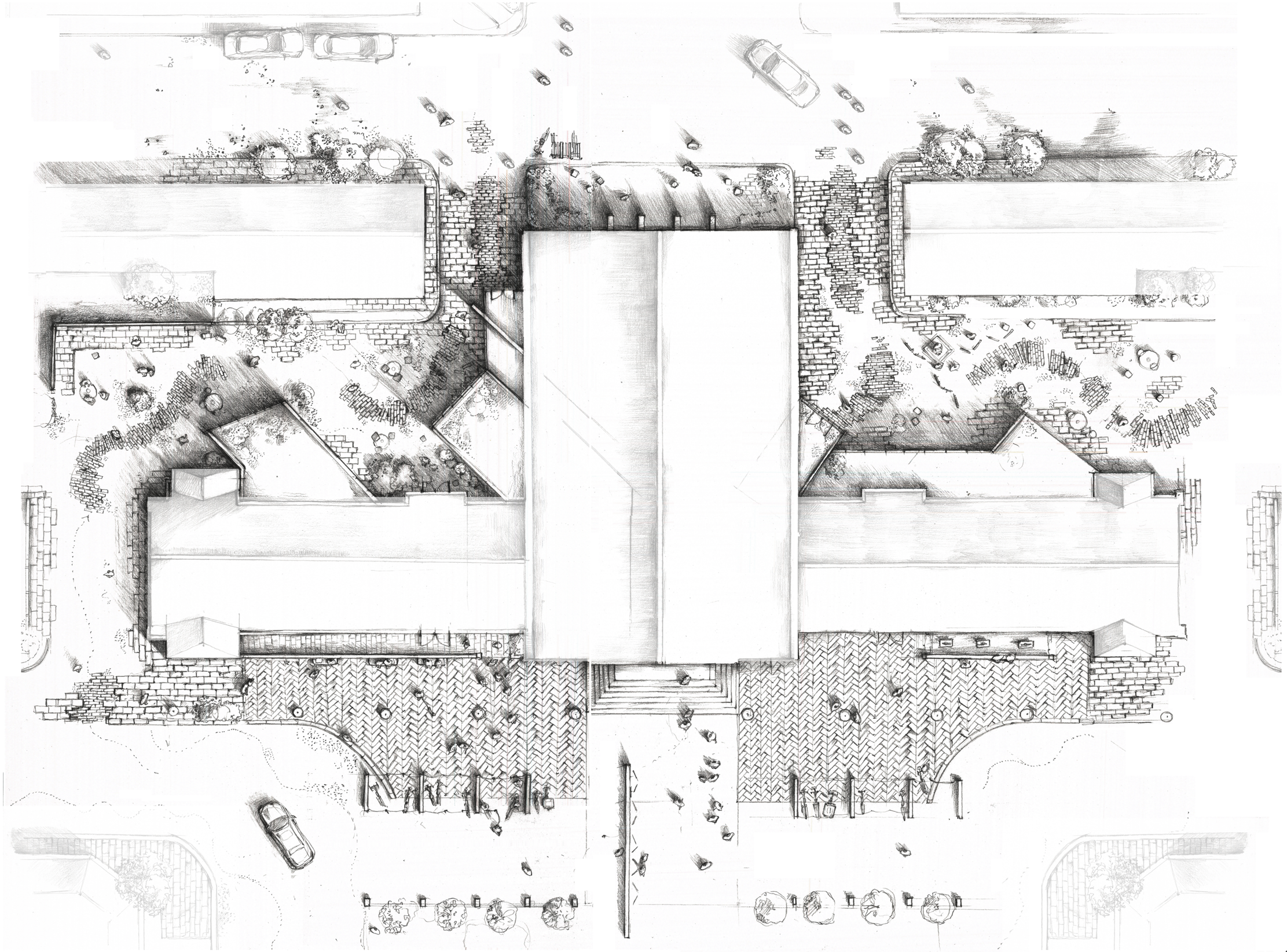
A new access path is introduced at the rear as an alternative spatial negotiation



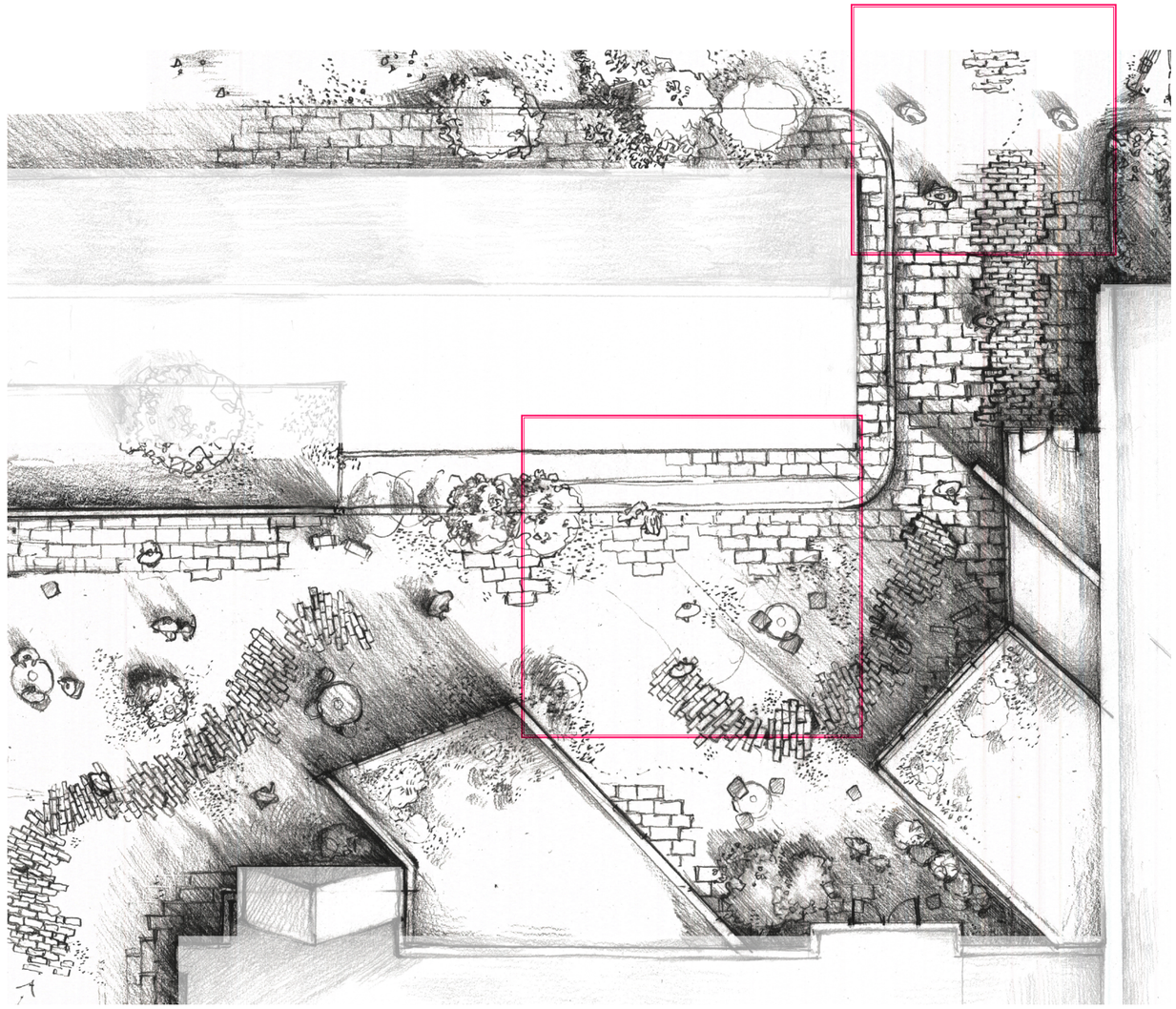
Outdoor Layout: Paving and Activities

Informal, small-scale, and self-organized social activities are enabled by the everyday landscape

Design Approach - Overview
(Site)

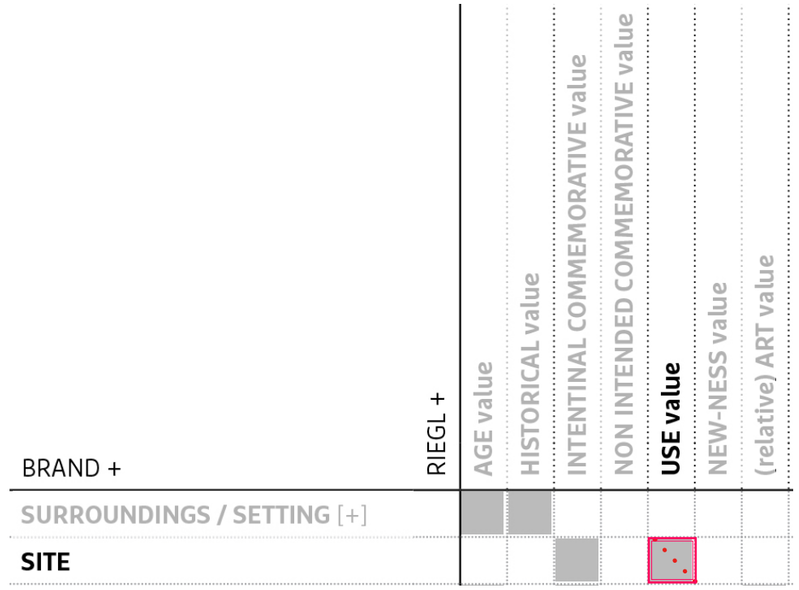


Outdoor - The Everyday Experience
(Site)

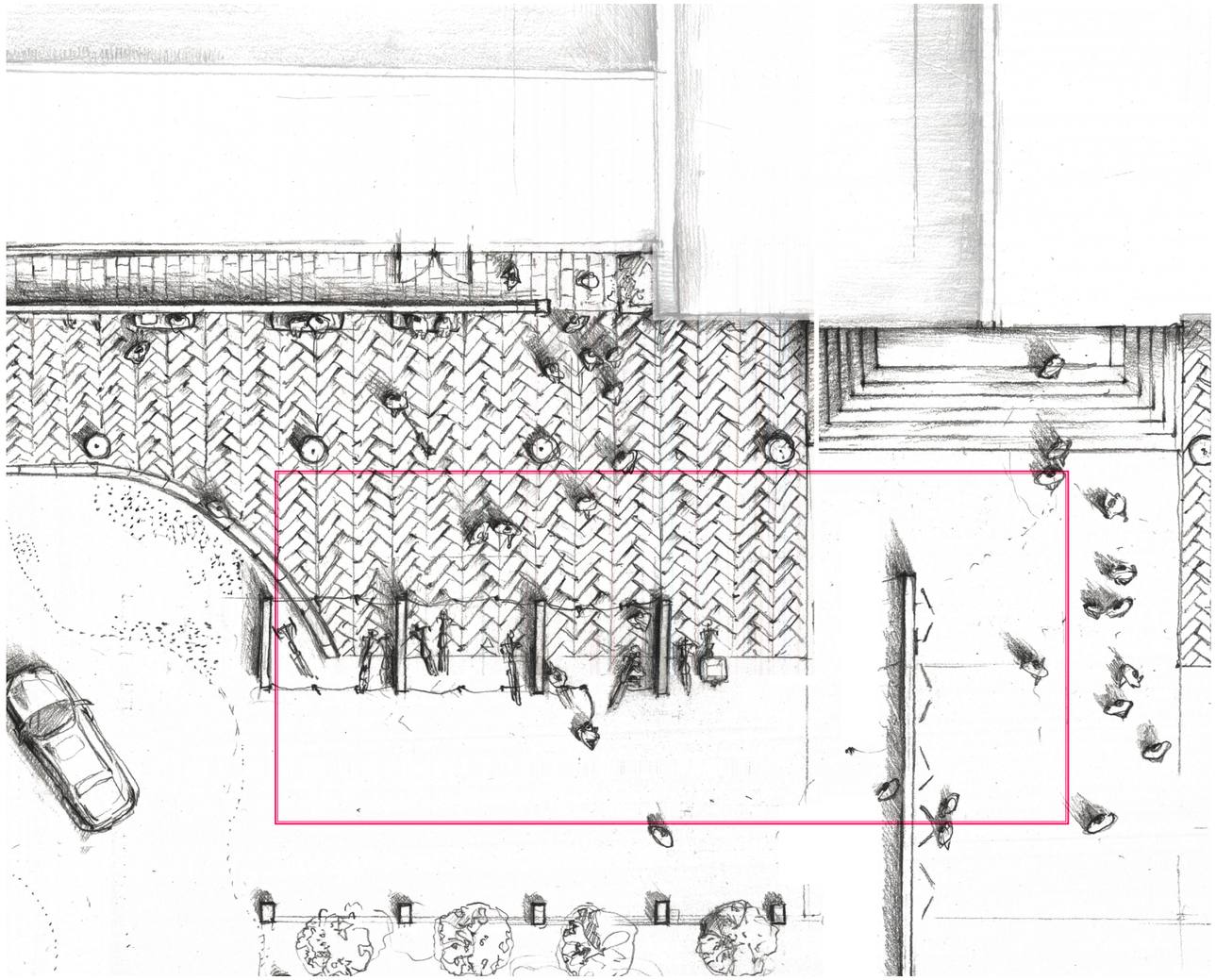


The everyday context becomes a spatial gesture that brings a new everyday story into the legacy of the monument, not by replacing it, but by challenging and reinterpreting it from within.

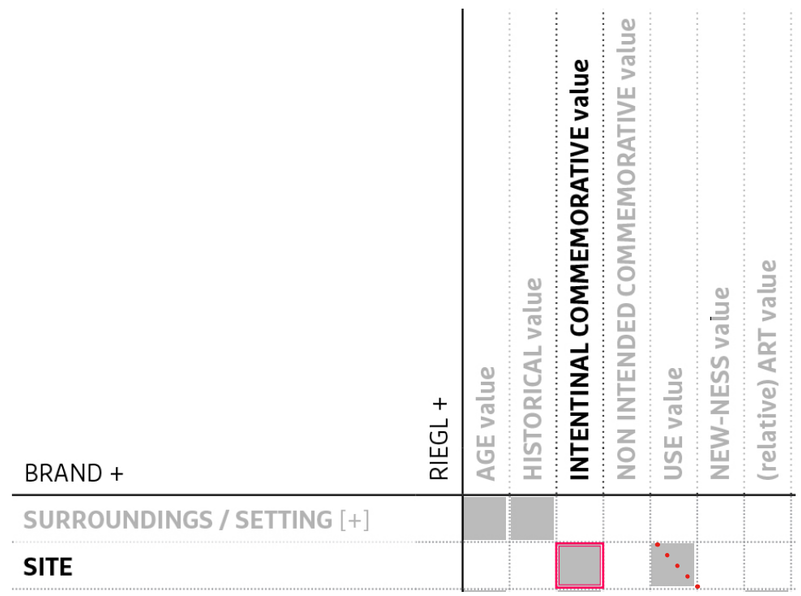
This approach enhances use value of the heritage through providing assessibility and new functionality to this once negelected area.



Outdoor - The Authorized Experience
(Site)



The landscape deisgn through its decorative and symbolic language, reinforces the building's commemorative function, thereby consciously enhancing its intentional commemorative value and responding to its original social role and symbolic significance.



Design Approach - New Entrance (Skin)



Participating in the negotiation between the authorized and the everyday in daily life



Enhanced Heritage Values - Skin





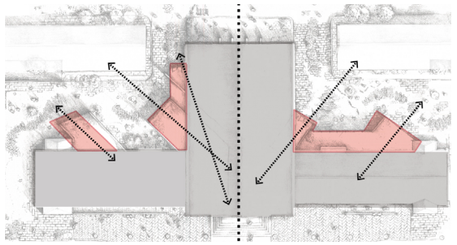




To enhance the building's intentional commemorative value and art value, the vegetation that previously obscured the façade is removed to allow its original authority and symbolic presence to be perceived once again.

New spatial and material contrast and contemporary experience, contributing to the building's newness value through a dialogue between past and present.

Design Approach - Space Plan



All programmes are organized into two contexts:

The Authorized Zone

Event Hall,
Mian Audience Area,
Civic Archivc Room,
Office,
Administrative Meeting Room
Meida Room
Tickets and Reception

Paid ;
Limited Access;
Formal ;
Organized;
Exclusive Service

The Everyday Zone

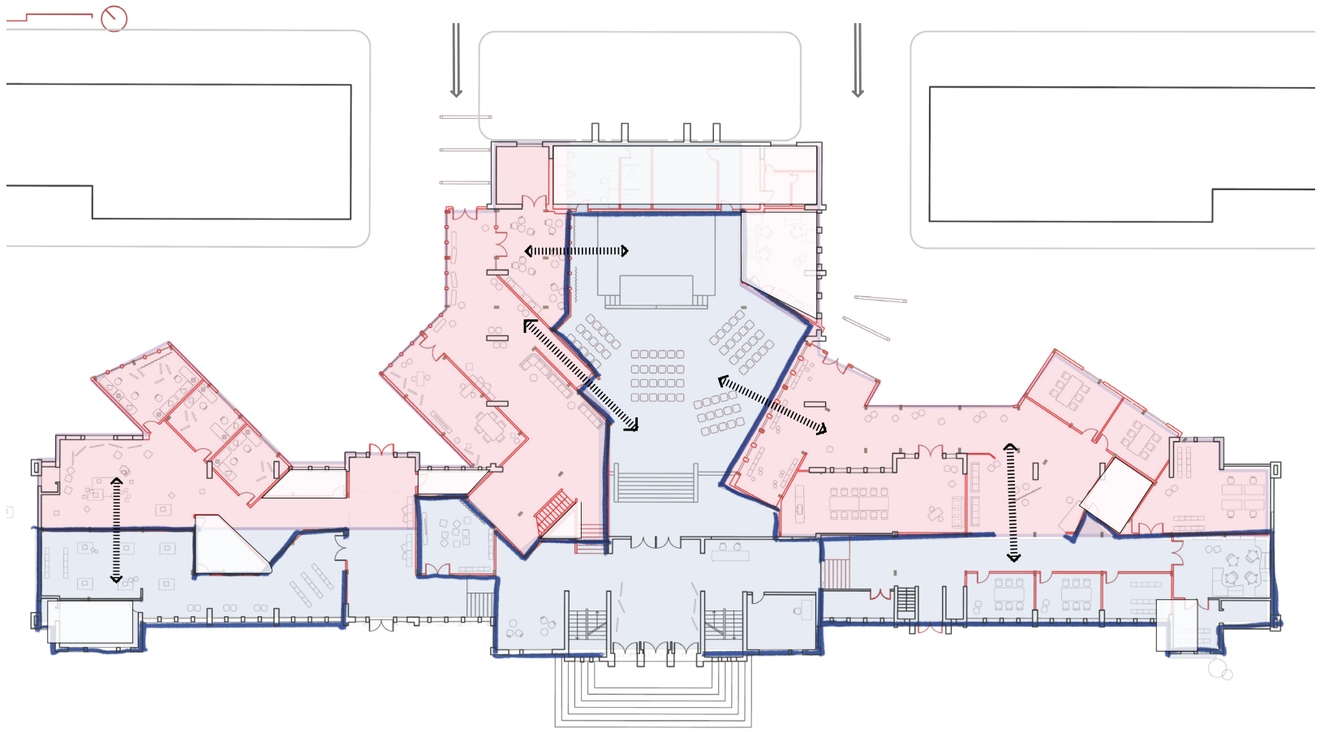
Art studios,
Workshop,
Cafe
Everyday Civic Exhibition Area,
Civic Gallery,
Citizen Meeting Rooms
Reading Room

Free to all;
Open to all;
Informal;
Flexible;
Inclusive Service

Others

Kitchen,
Changing Room,
Storage,
Plant room,
Toilet, Back Stage

Functional
Areas



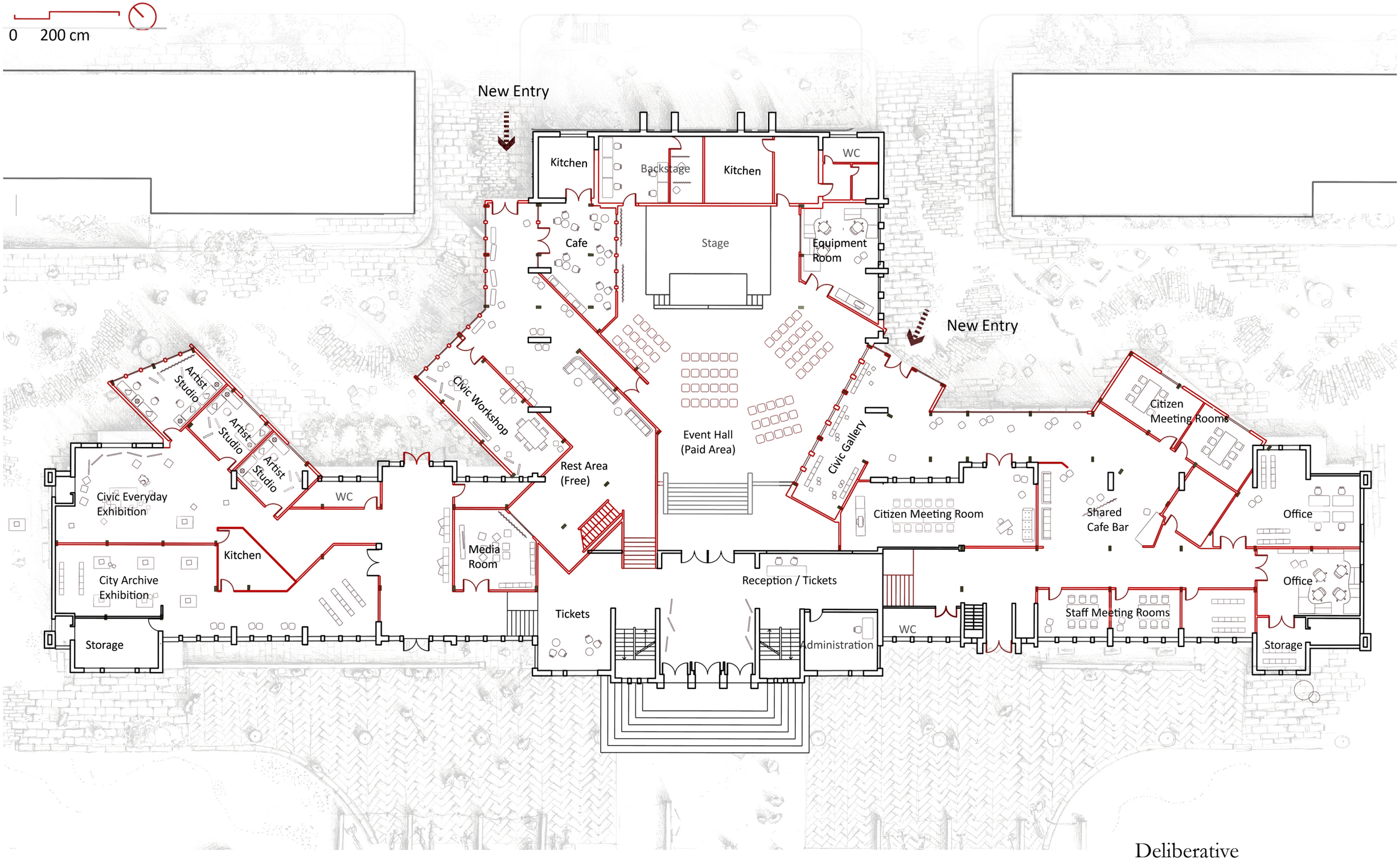
The Authorized Zone

The Everyday Zone

The Transitional Boundary

Spatial Organization

0 200 cm

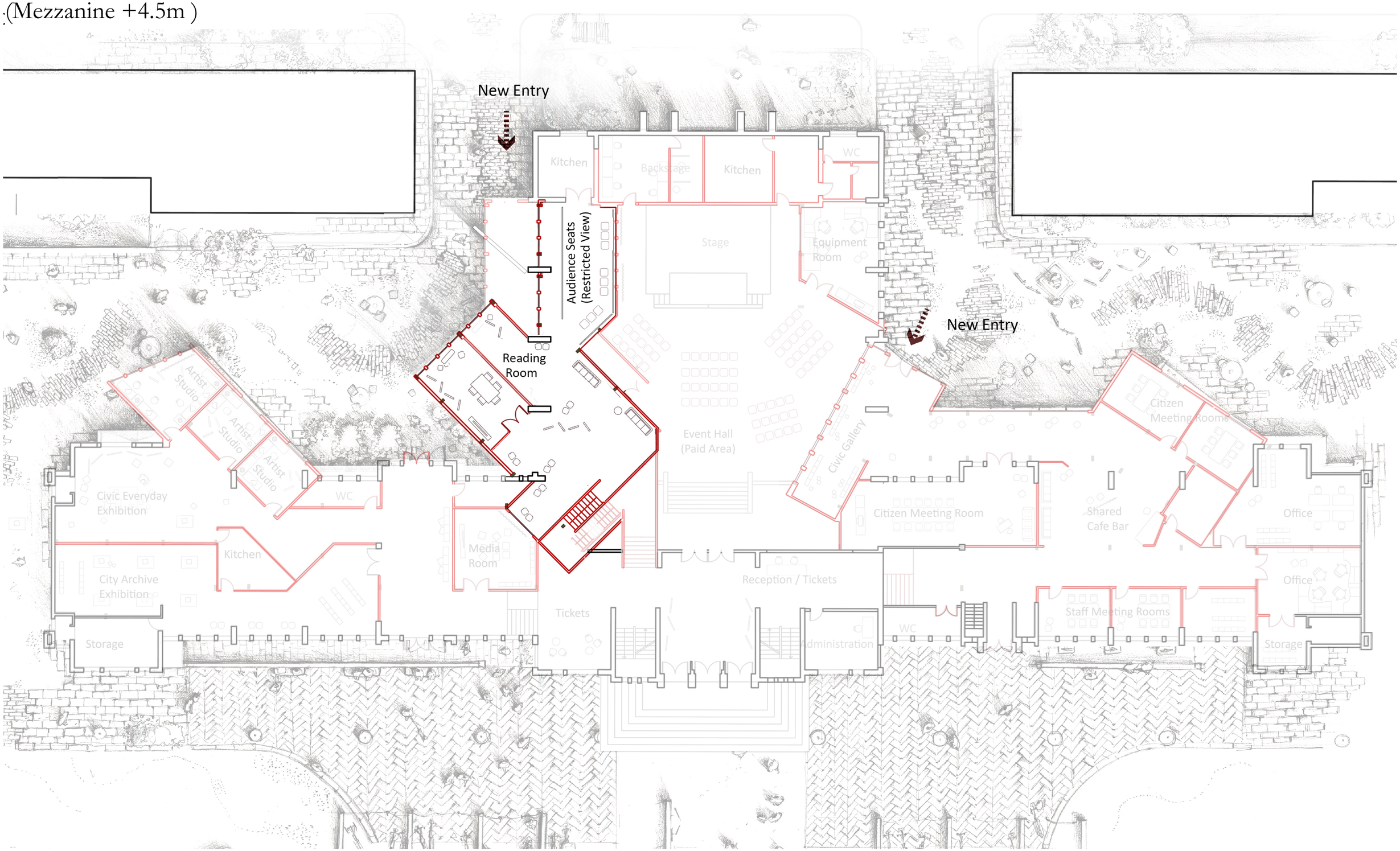


Emancipation

Civic Ritual

Deliberative Democracy

Spatial Organization
(Mezzanine +4.5m)



Longitudinal Section
(Space Plan)

Negotiations Between the
Everyday and Authority

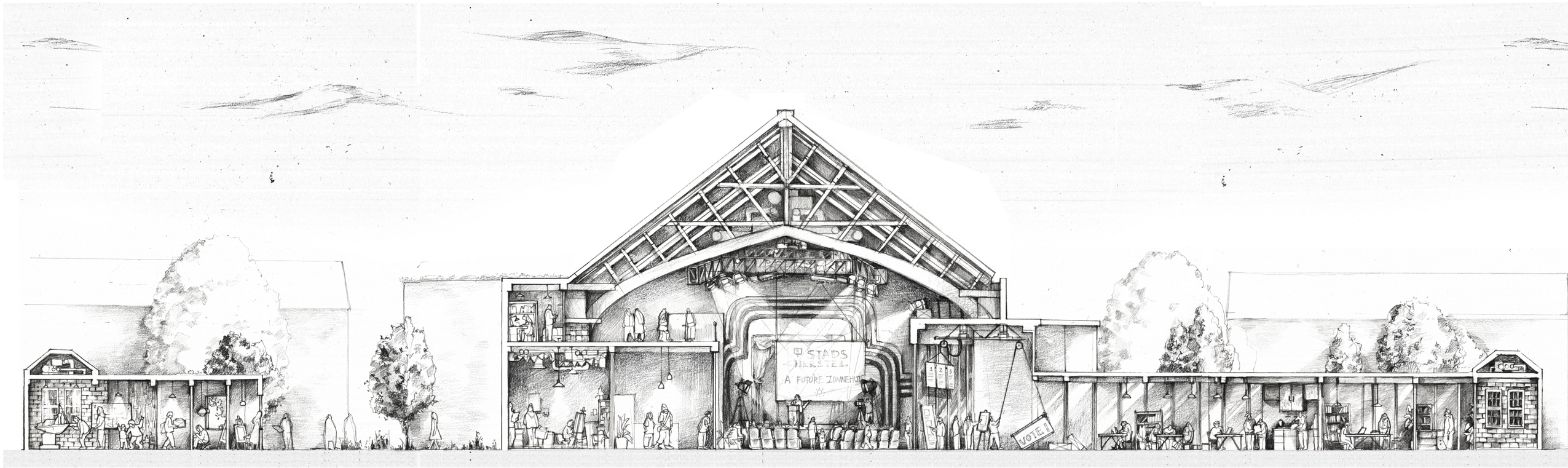
Emancipation

The mixed area

Civic Ritual

The mixed area

Deliberative
Democracy



Zoom -in Section
(Space Plan / Skin)



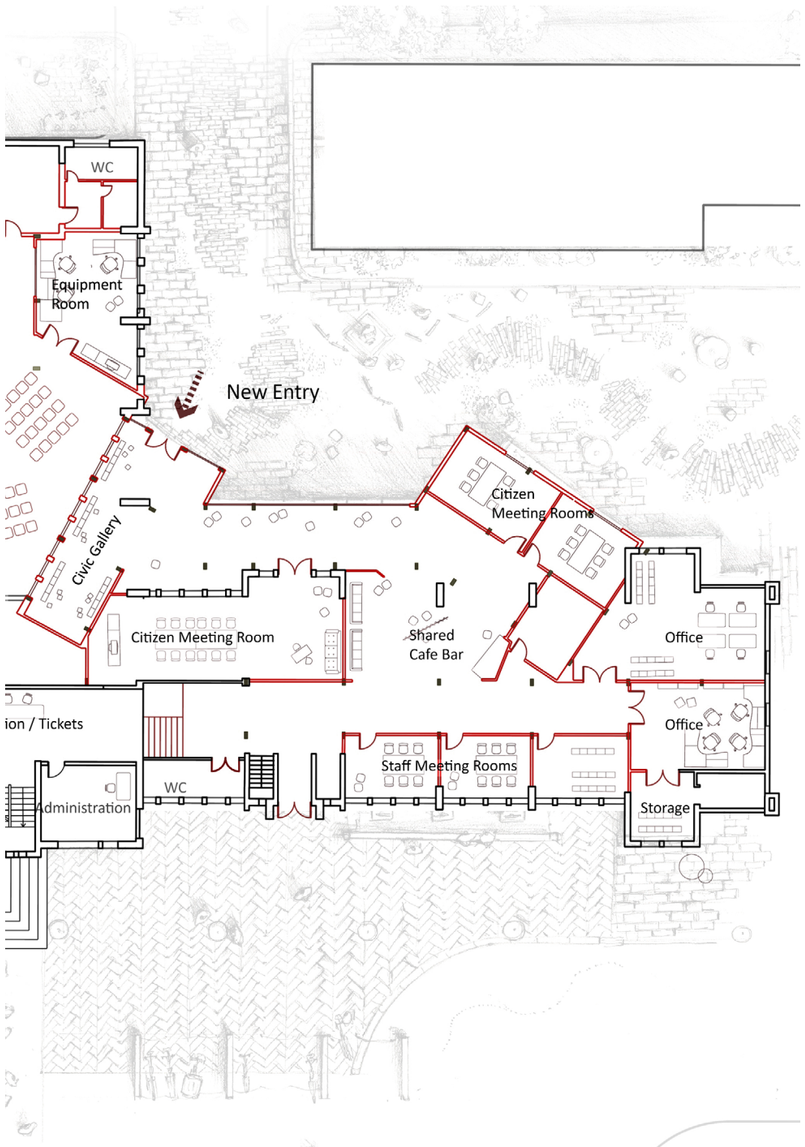
Deliberative Democracy

The civic discussion panel - debate, discuss, act

Deliberative Democracy - Civic Discussion



Discover the subtle in-between transition in tectonical language

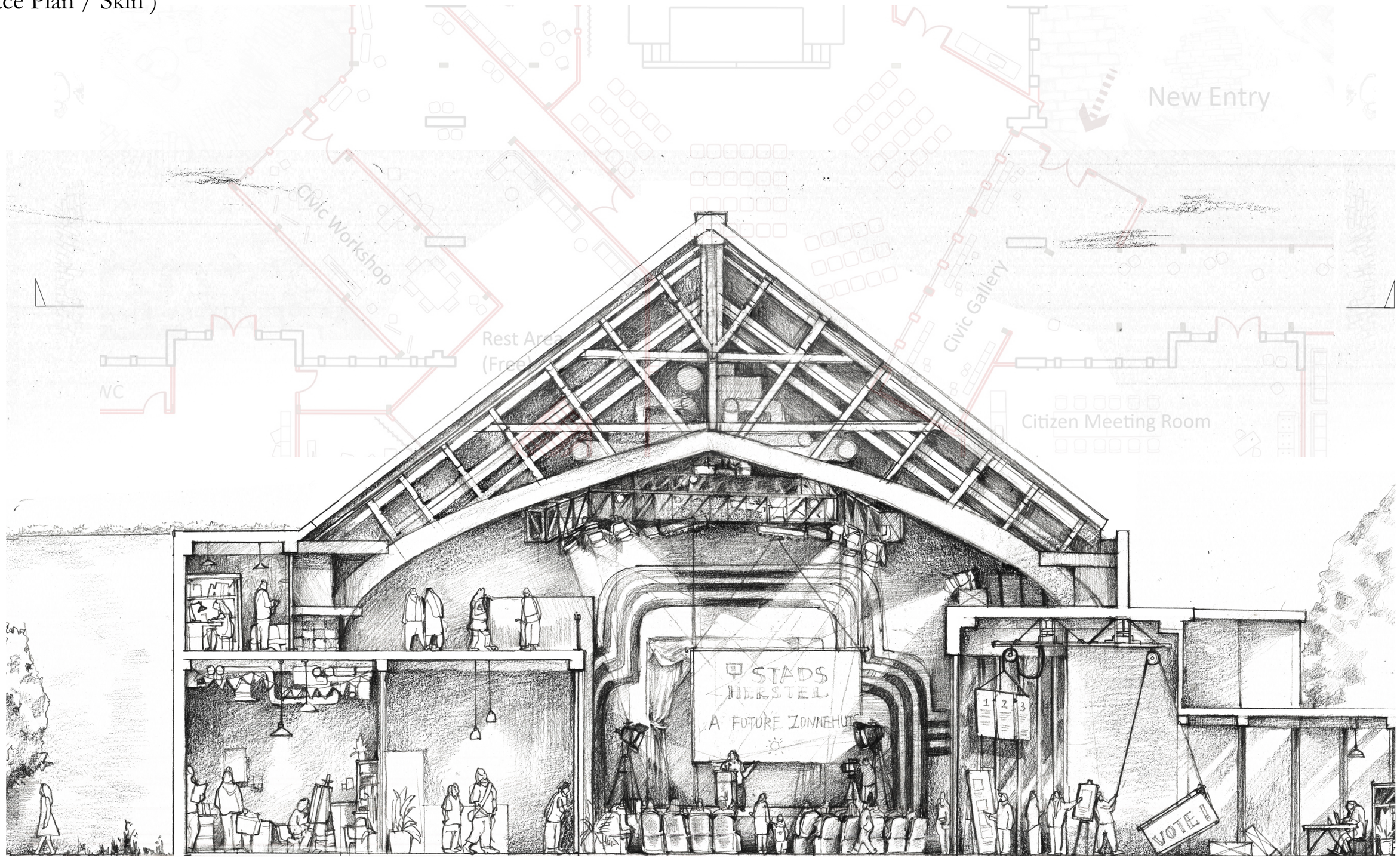




Deliberative Democracy

Civic meeting room, Gathering area,
Staff administrative meeting room,
Office, Civci gallery

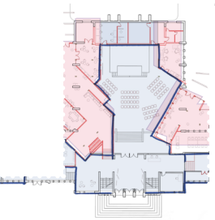
Zoom -in Section
(Space Plan / Skin)

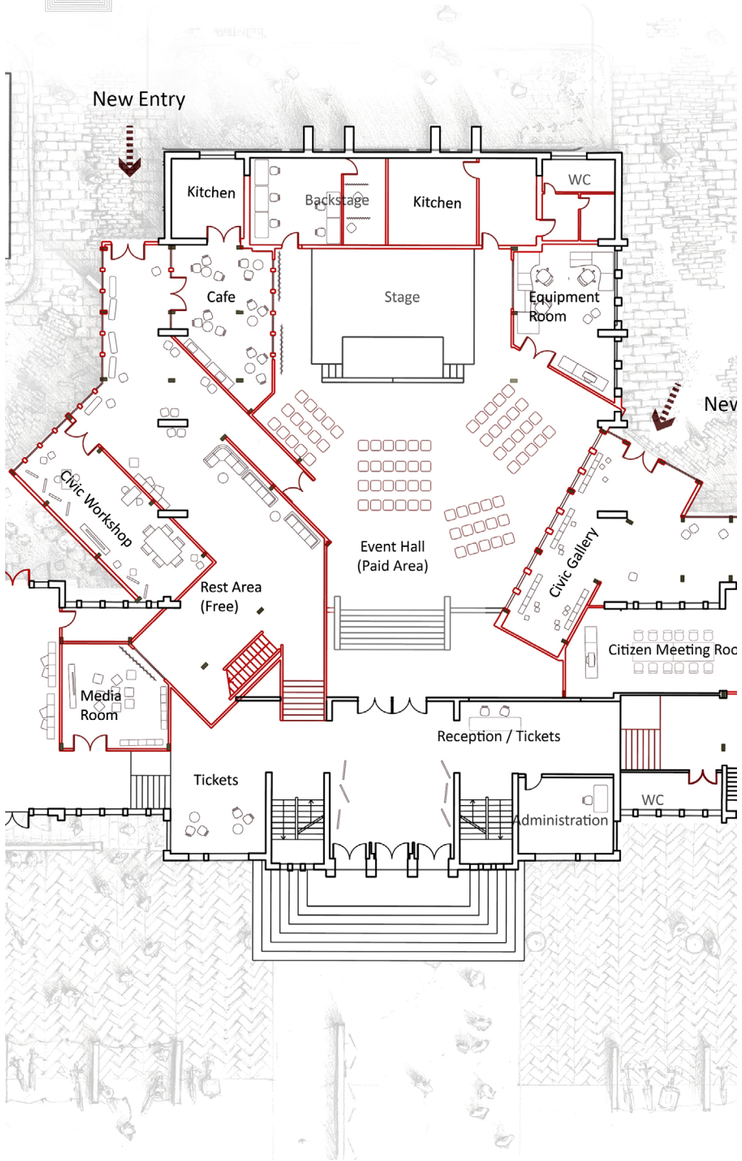


Civic Ritual

The civic presentation - Towards a Better Zonnehuis

Civic Ritual - Proposals/Artworks Presentation





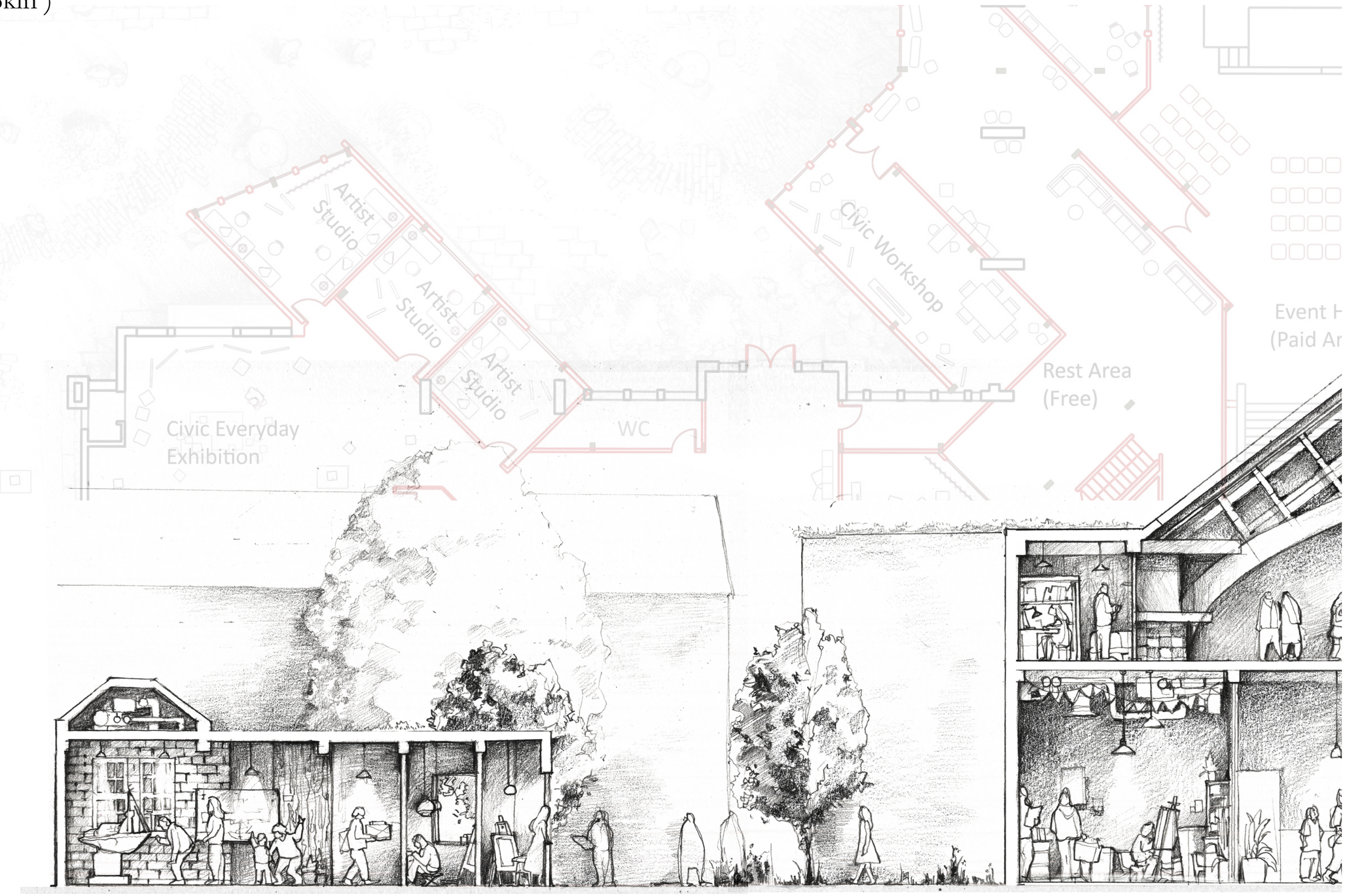
Civic Ritual

The Main Event Hall



Event hall, Cafe, Reception and ticket,
Changing room, Media space

Zoom -in Section
(Space Plan / Skin)

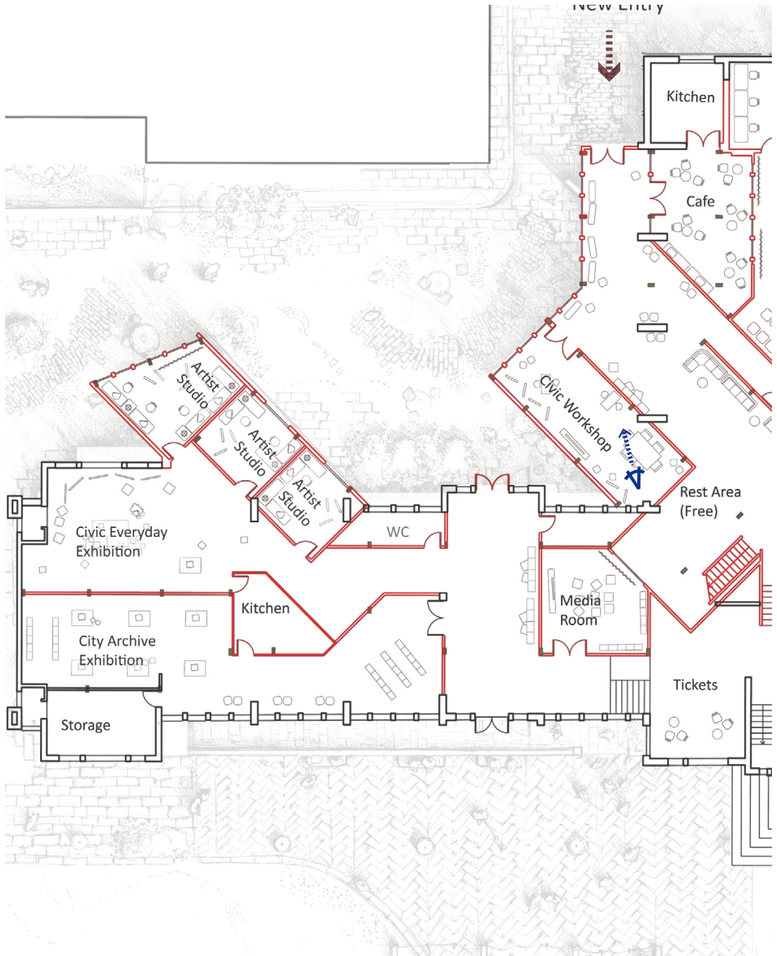


Emancipation

The exhibition day - Zonnehuis and its Shipbuilding industry

Emancipation - Reclaim the history of working-class





Discover the subtle in-between transition



Creative Emancipation

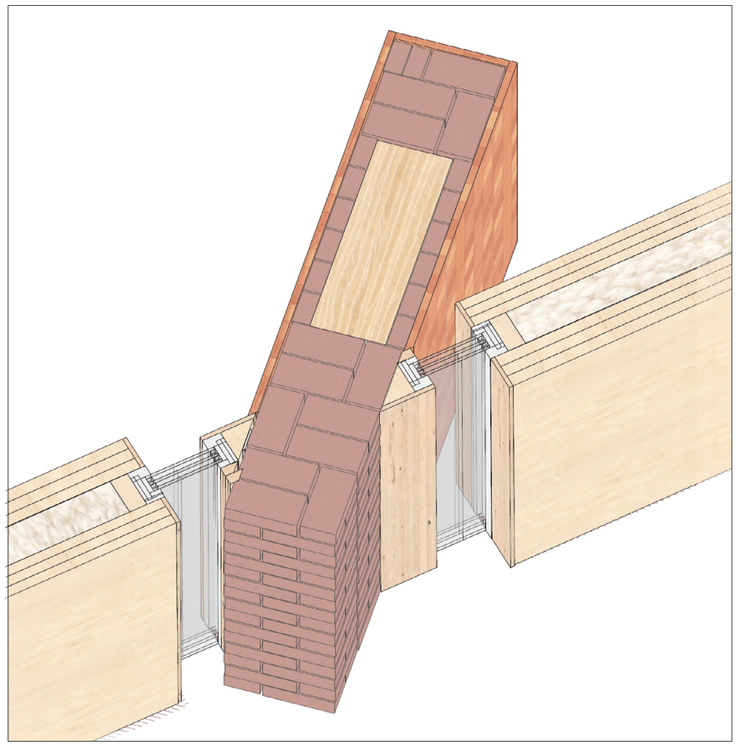
Art studios,Workshop,
Cafe
Everyday Civic Exhibition Area (Free),
Civic Archivc Room (Paid)
Kitchen, Rest Room,
Storage, Plant room, Toilet

Fragment 1:10
(Structure)

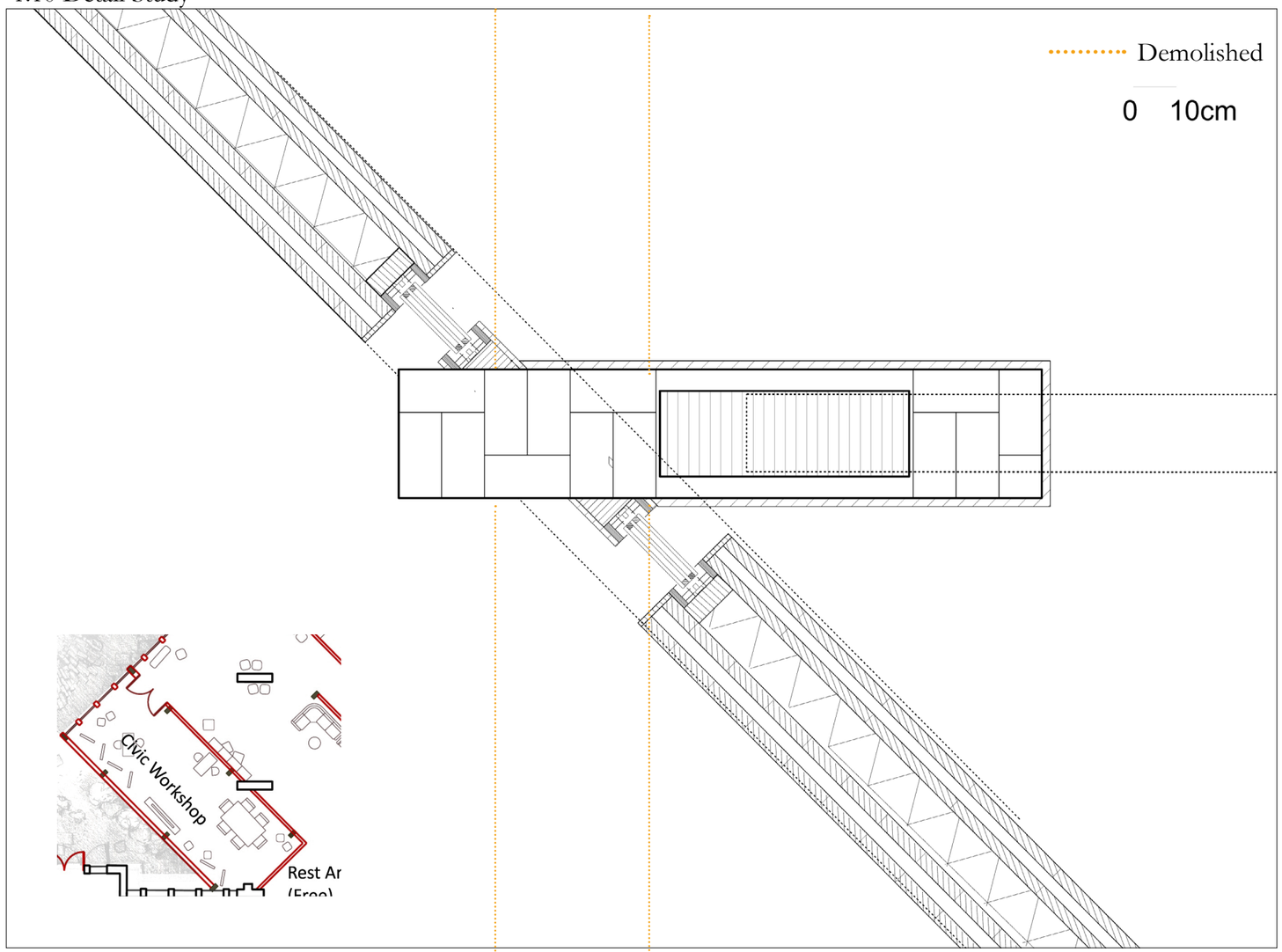
Visual Experience



Isometric Detail



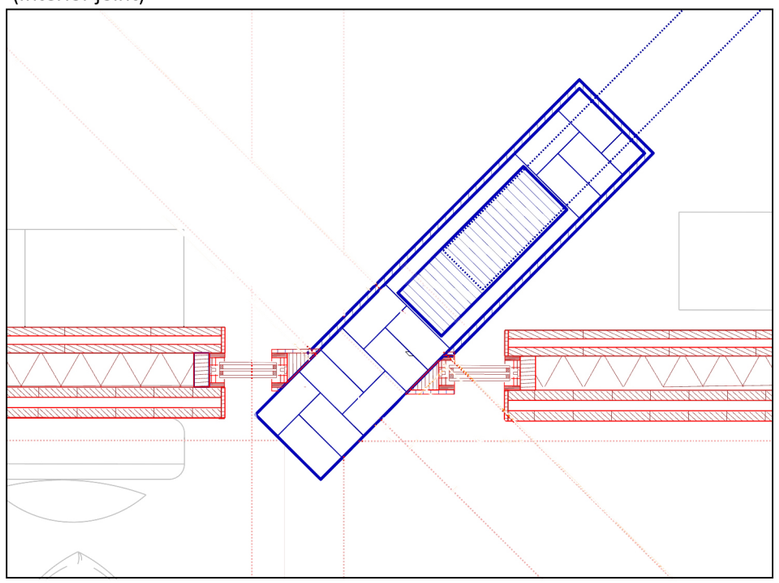
1:10 Detail Study



The glazing connection is implemented as a structural and acoustic joint, connecting the gap between the brickwork and the new CLT partition. A triple-layer acoustic glazing system with an aluminum frame provides both sound insulation and accommodates differential structural movement between the old and new materials.

Fragment Technical Drawing (Structure)

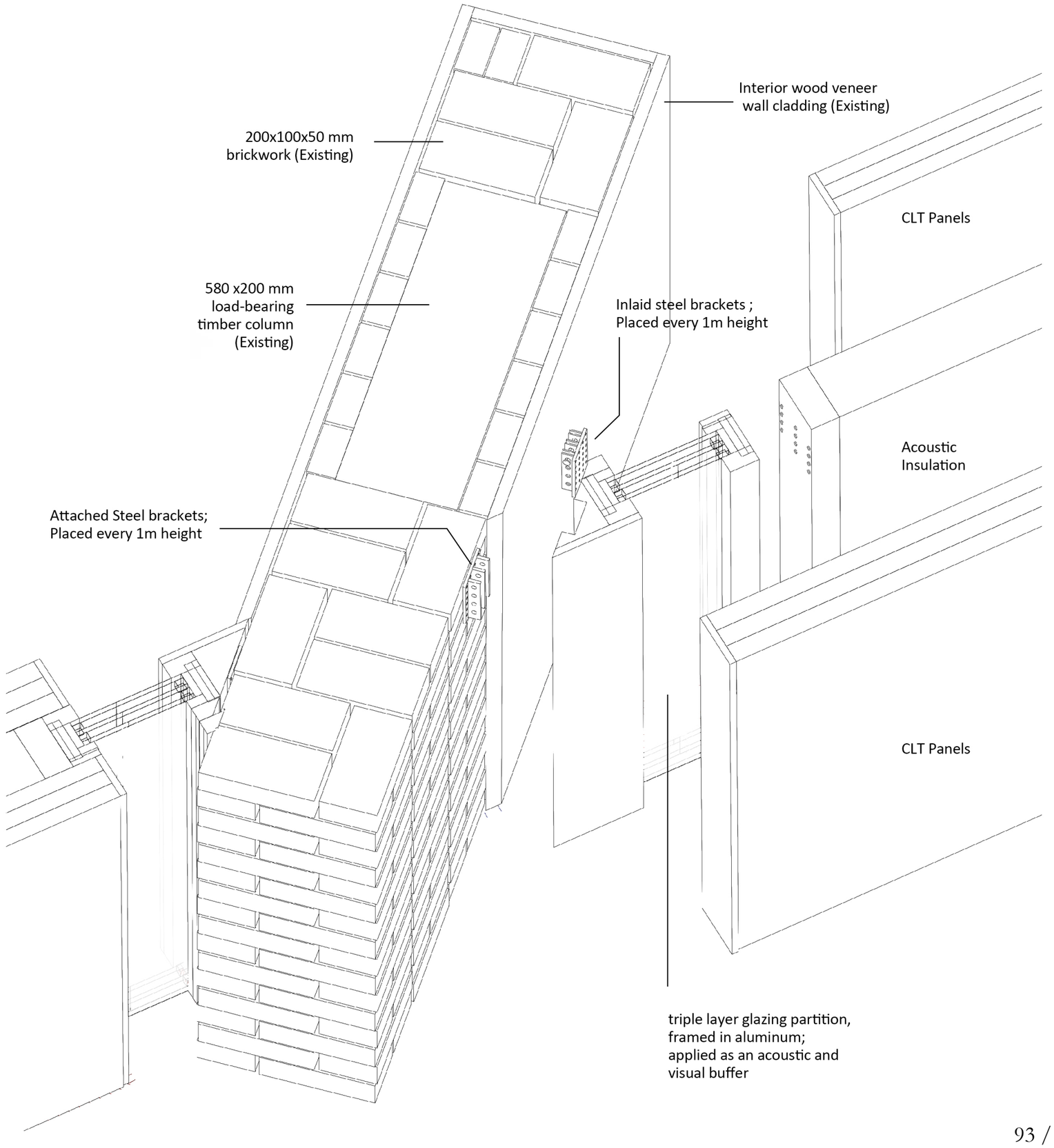
(Interior joint)



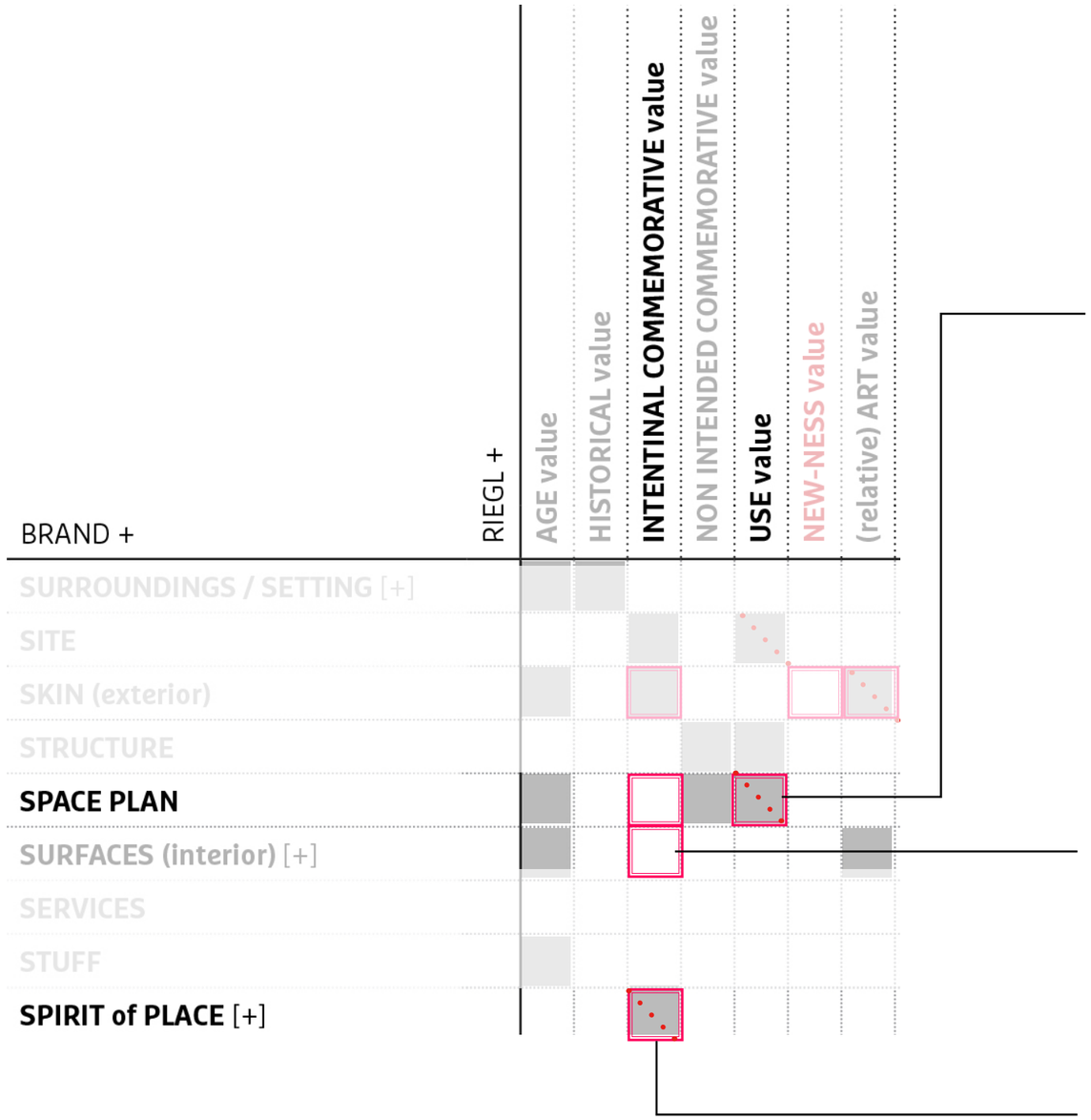
This detail focuses on the interior structural joint where the new CLT partitions meet the existing brickwork. It preserves the historical material presence while creating a clean transition between the old and new.

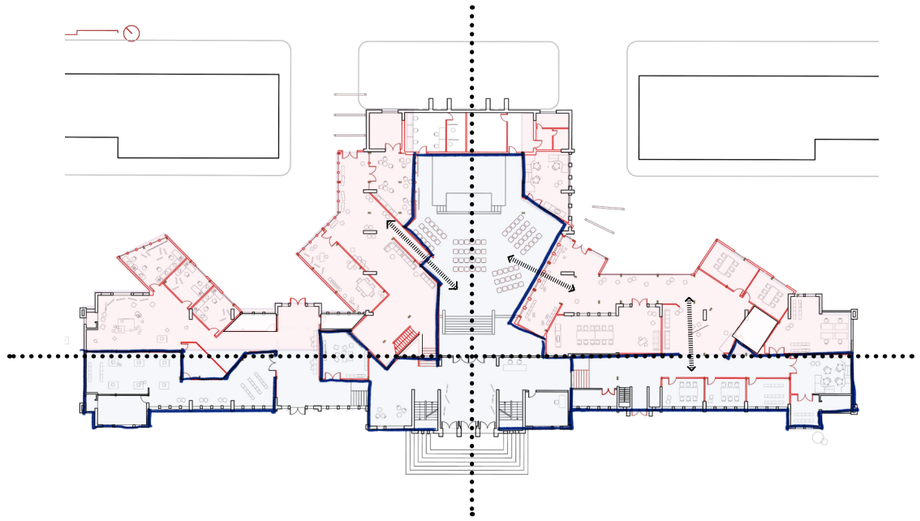
The steel brackets and glazing element allow the CLT walls to remain structurally independent from the old masonry, avoiding issues from differential settlement. This minimizes stress transfer to the potentially fragile old brickwork.

To visually and physically separate the two materials, a glazed interface is introduced. This lightweight glazing maintains spatial continuity while acting as an acoustic and visual buffer.



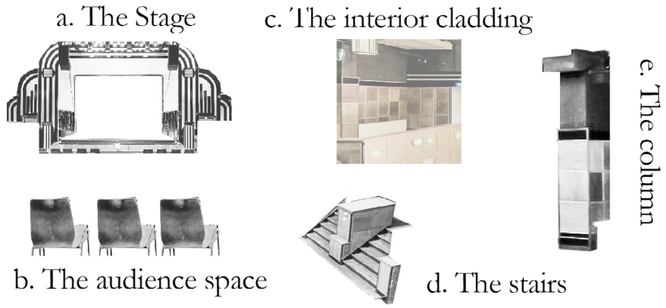
Enhanced Heritage Values - Space Plan / Spirit of Place



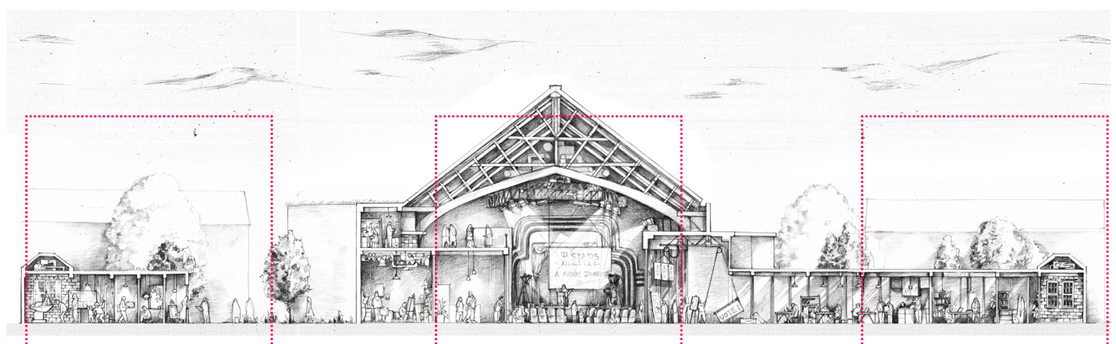


maintaince of original spatial organization logic

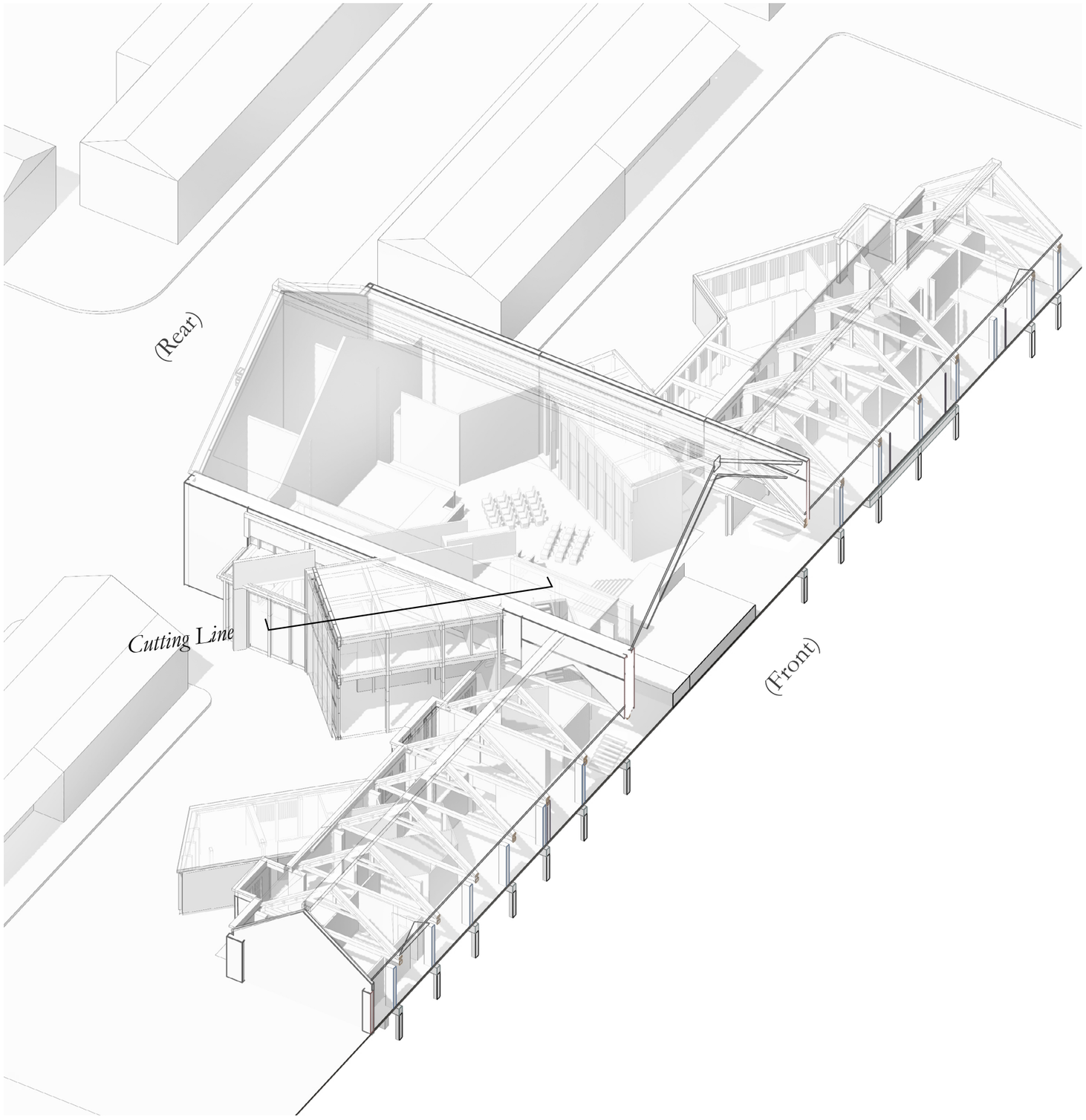
introduce spontaneous and inclusive civic activities

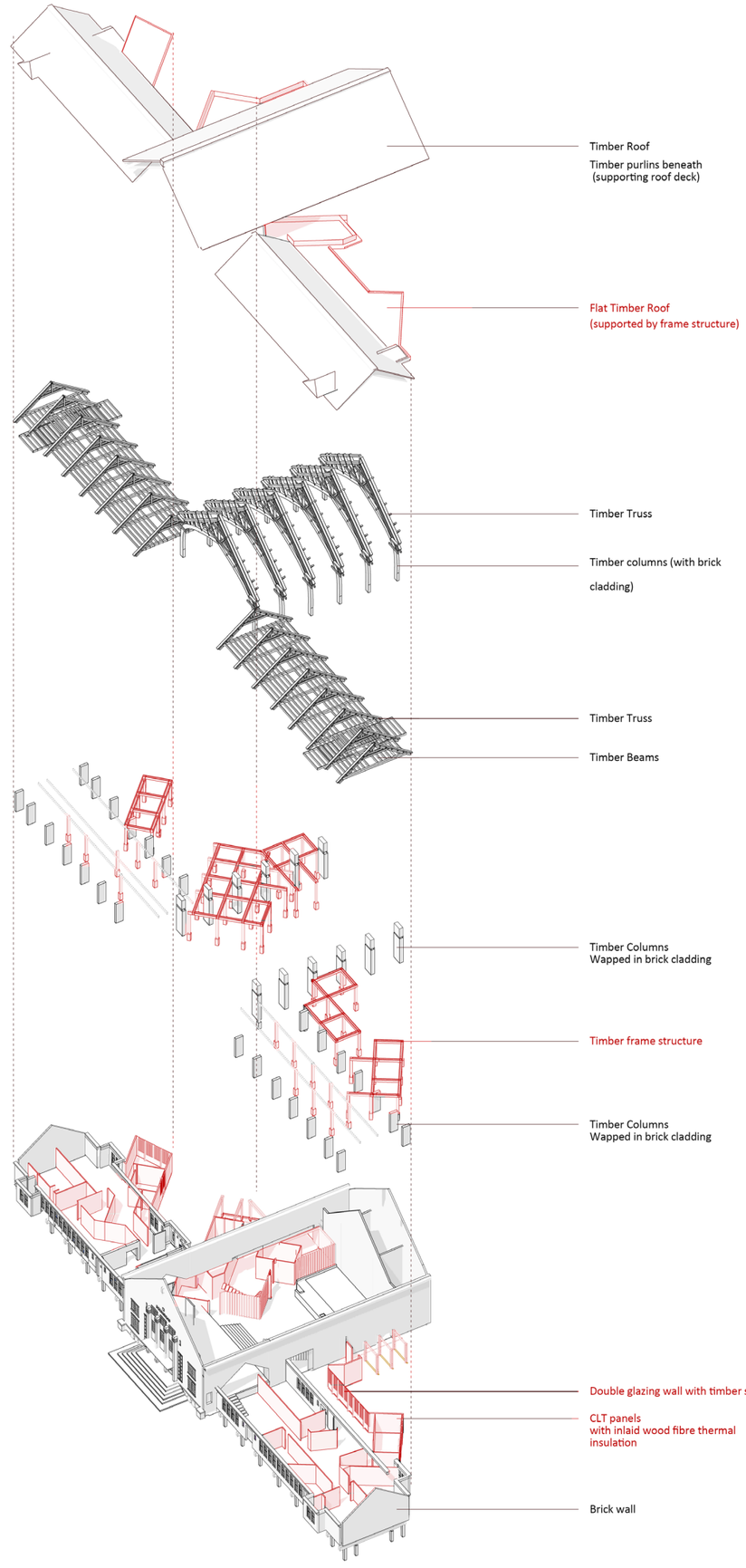


interior representative elements are preserved

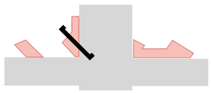


Design Approach - Structure





1:20 Section (Vertical) (Structure)



spruce cladding, pressure treated
28/70 mm battens
30 mm counterbattens/back
vapour barrier
thermal insulation
120 mm spruce CLT

2× 10 mm laminated safety glass

Glass slats
on aluminium construction

300x300mm glued laminated
timber column (Behind)

welded catwalk

t-anchor

Motorized solar control shades

triple glazing in aluminium frame

textile sun protection;
Fixed on the aluminium frame

300x300mm glued laminated
timber column (Behind)

786

3055

5036

3100

3100

1400

320

Aluminum roof flashing element
vapor barrier layer
timber battens
glulam panels
thermal insulation

floor construction:
5 mm carpet flooring;
2 mm cement bonded particle board;
gypsum board;
2× 20 mm impact sound proofing;
140 mm cross laminated timber (CLT);
300X300 mm timber beams;
acoustic insulation;
Timber Cladding Interior finishing;

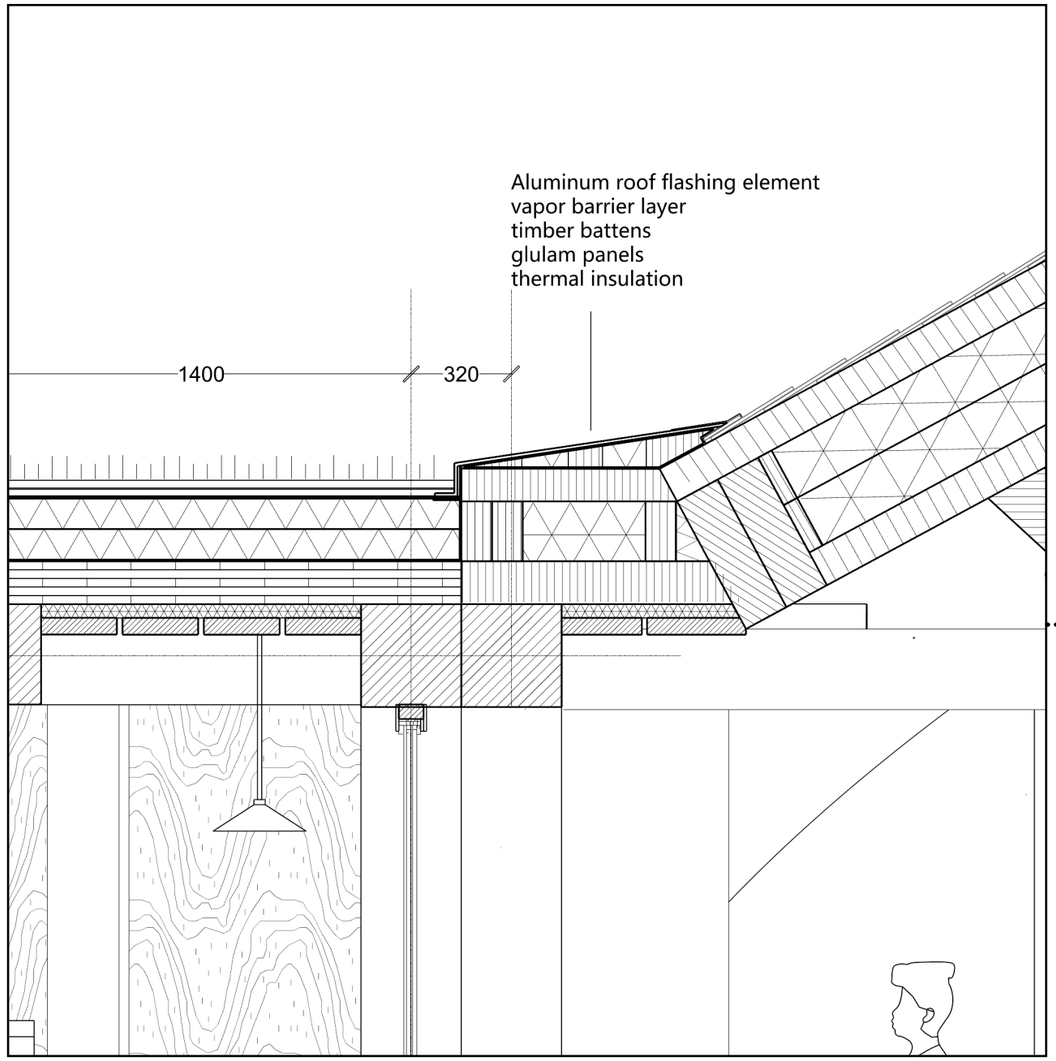
foundation construction:
5 mm carpet flooring;
2 mm cement bonded particle board;
gypsum board;
2× 20 mm impact sound proofing;
140 mm cross laminated timber (CLT);
100 mm thermal insulation;
damp proof membrane over 50mm sand blinding
concrete slab
pile cluster to suitable loadbearing stratum

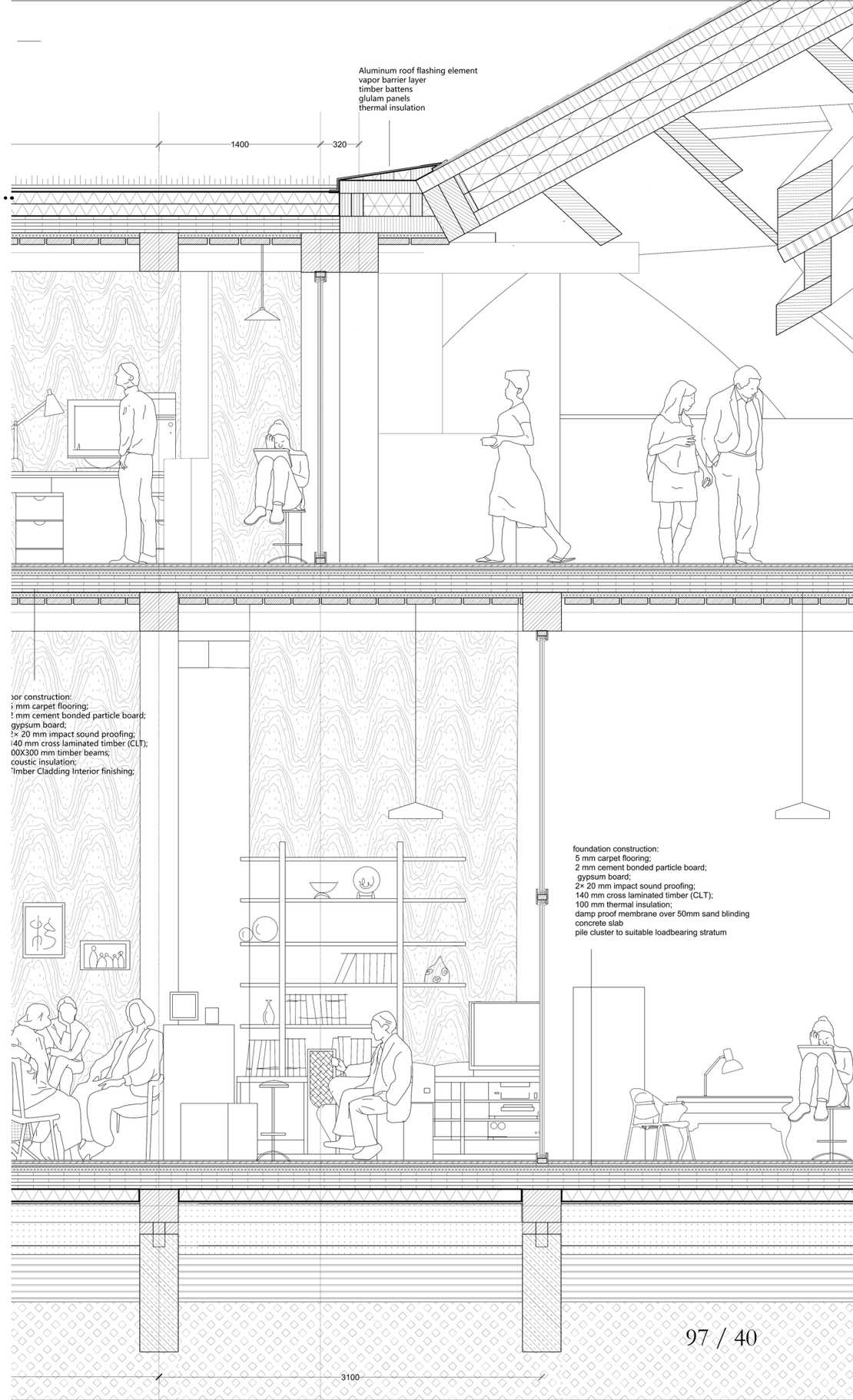
3100

3100

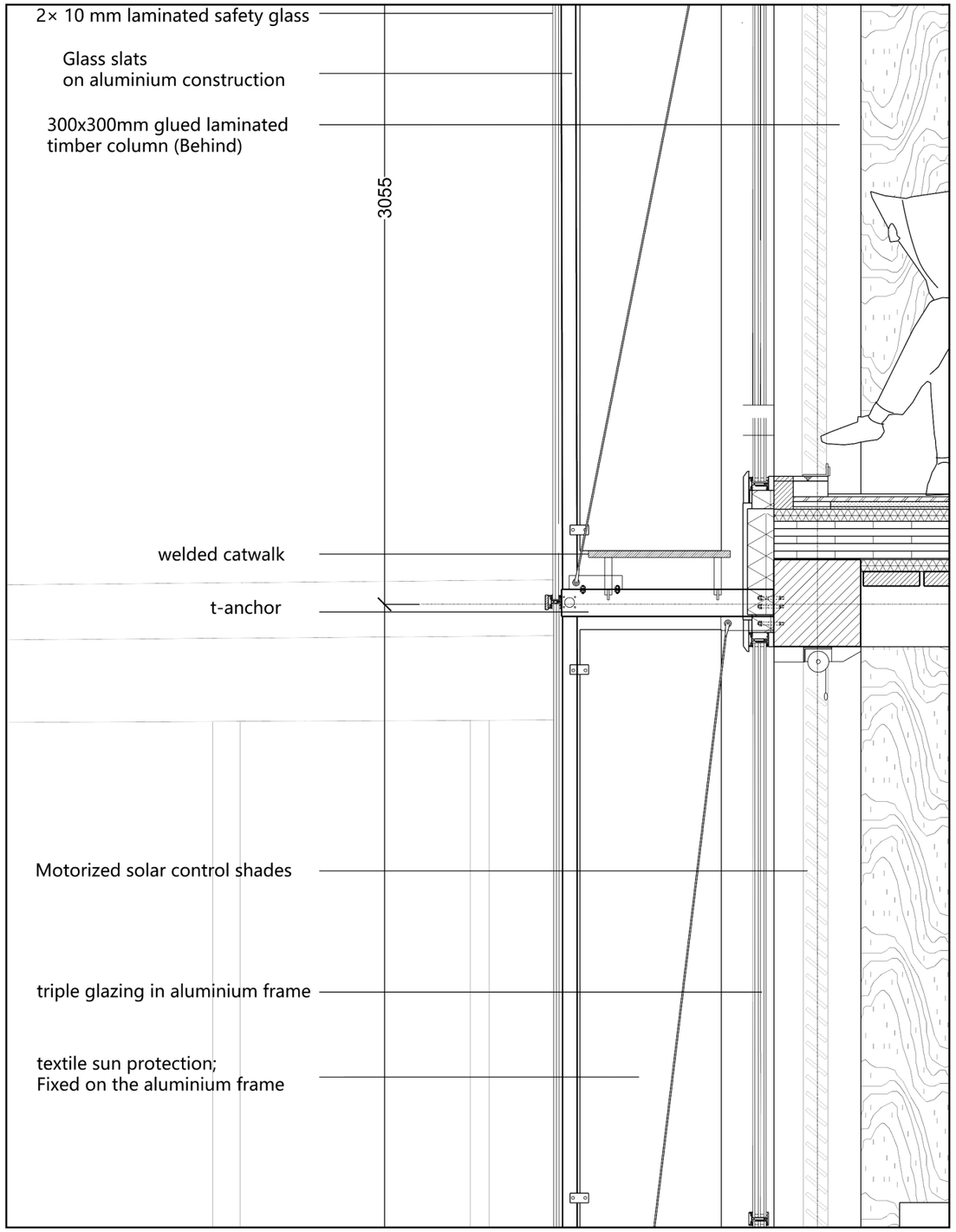
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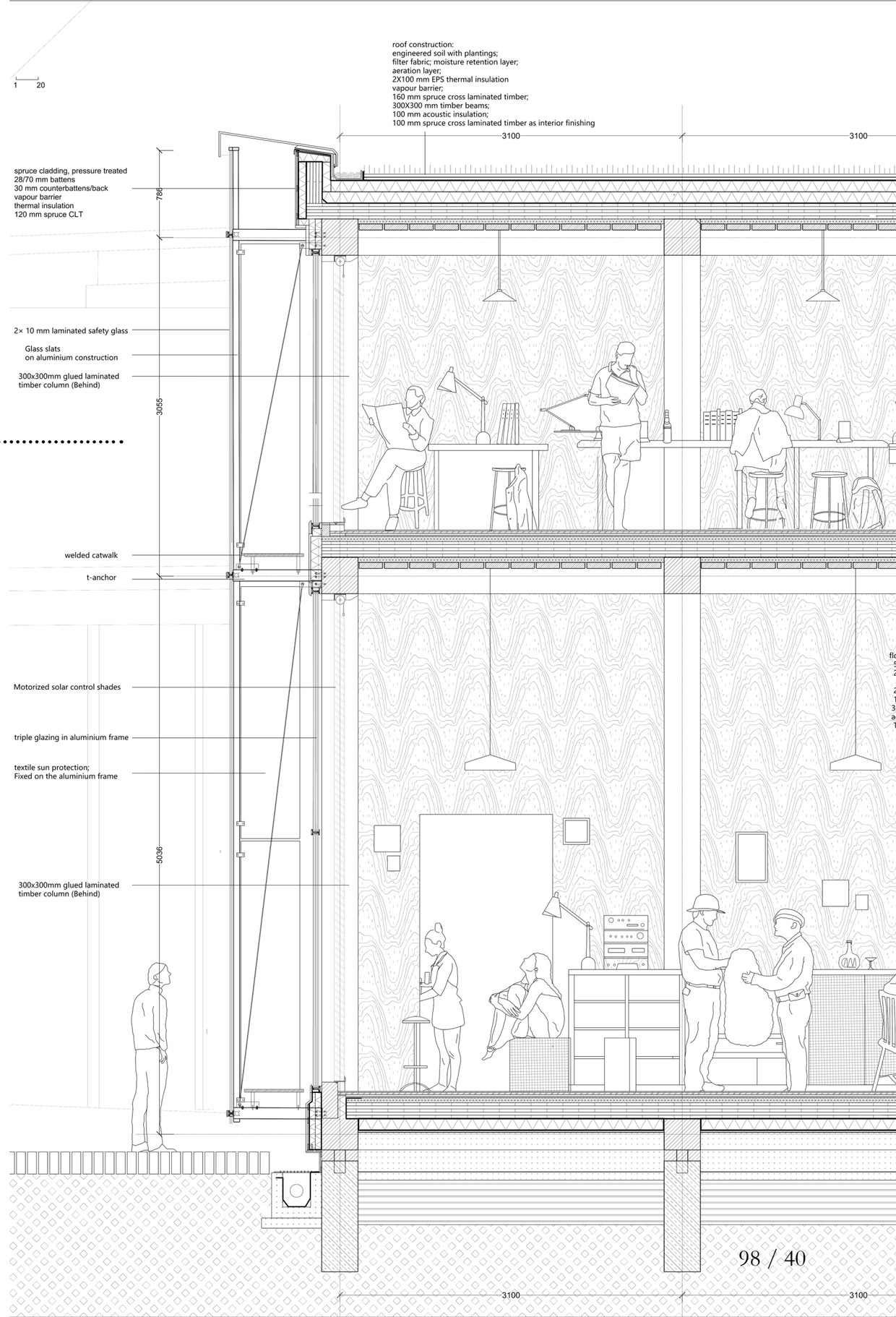
1:20 Roof System



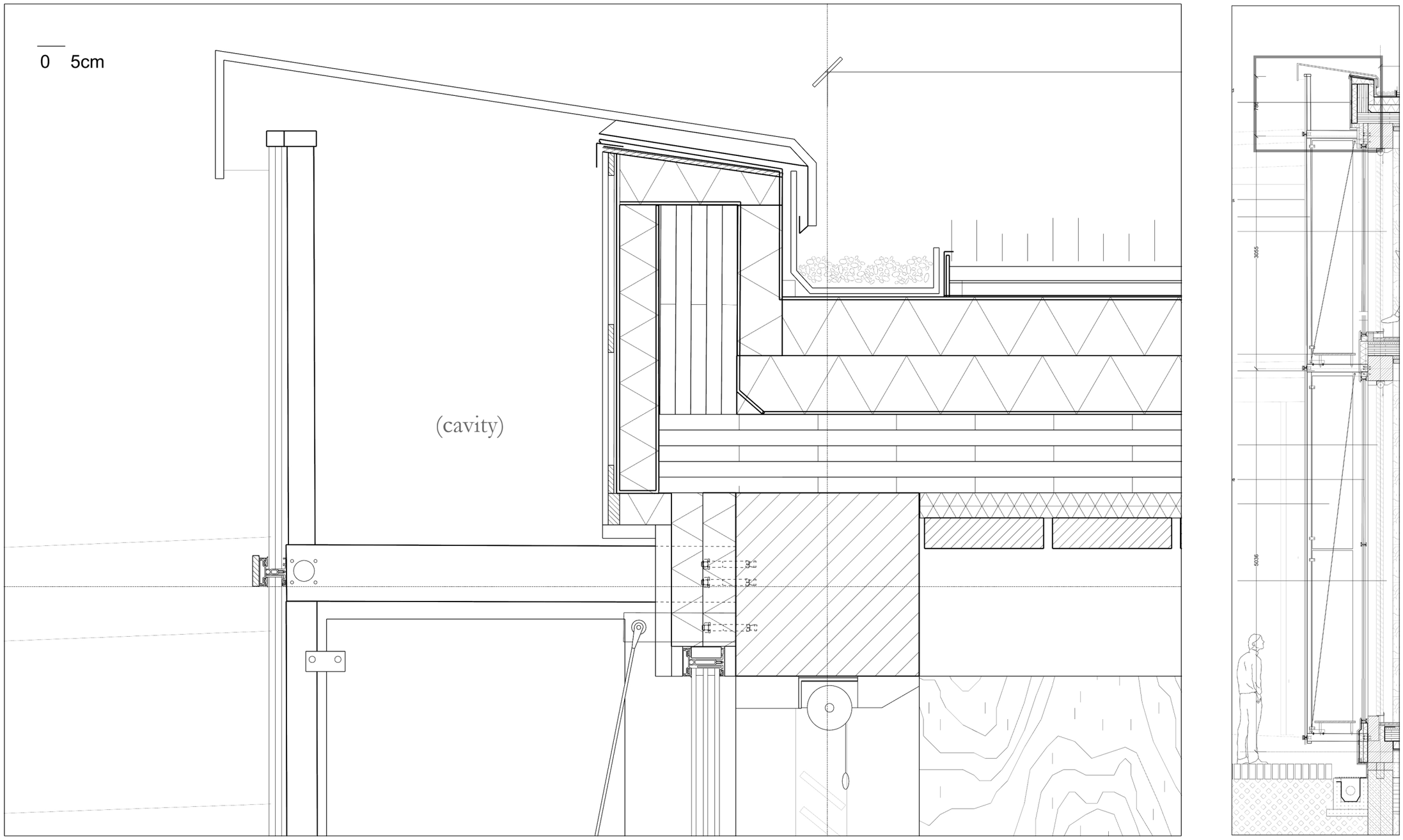


1:20 Facade (Curtain wall)

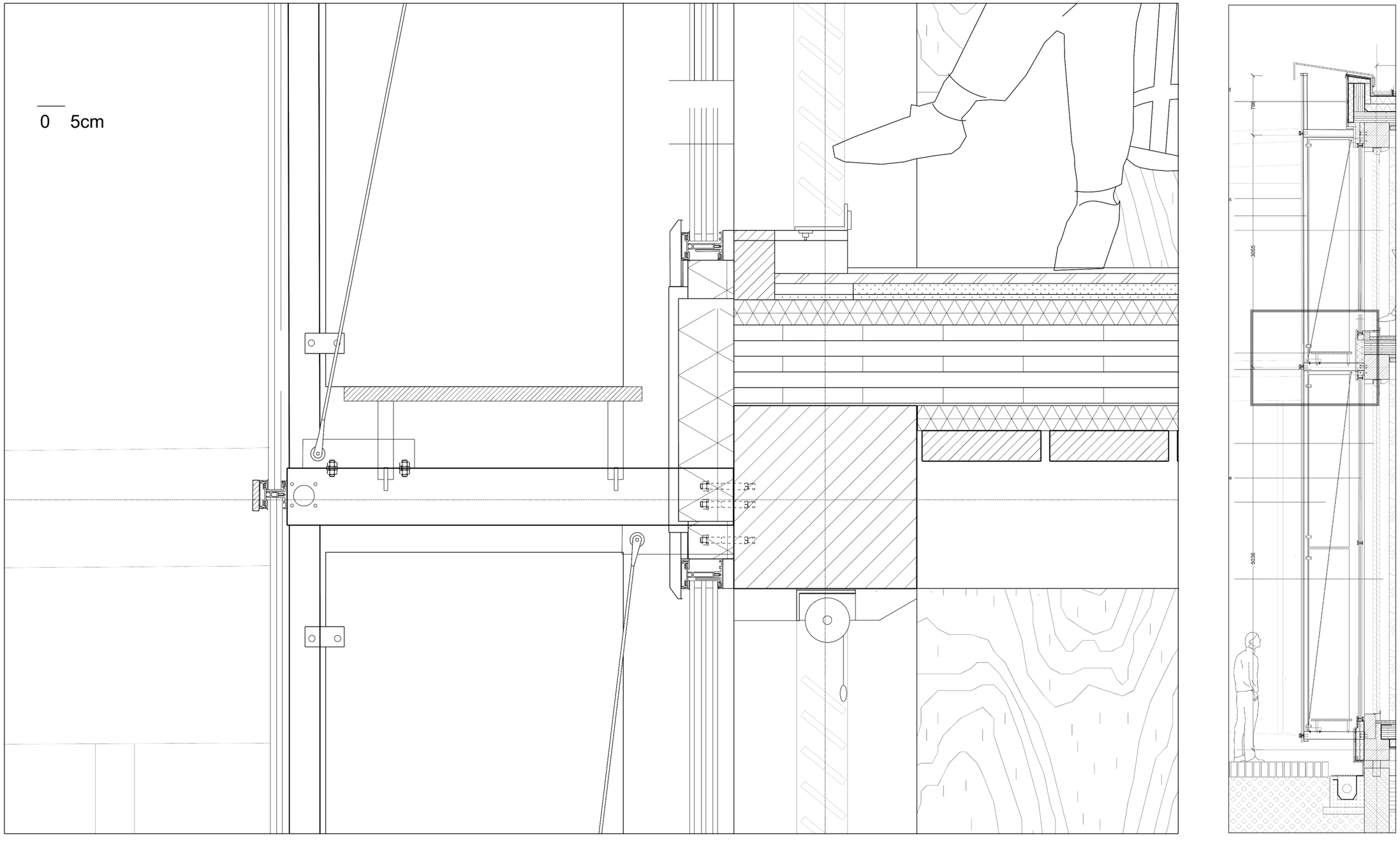




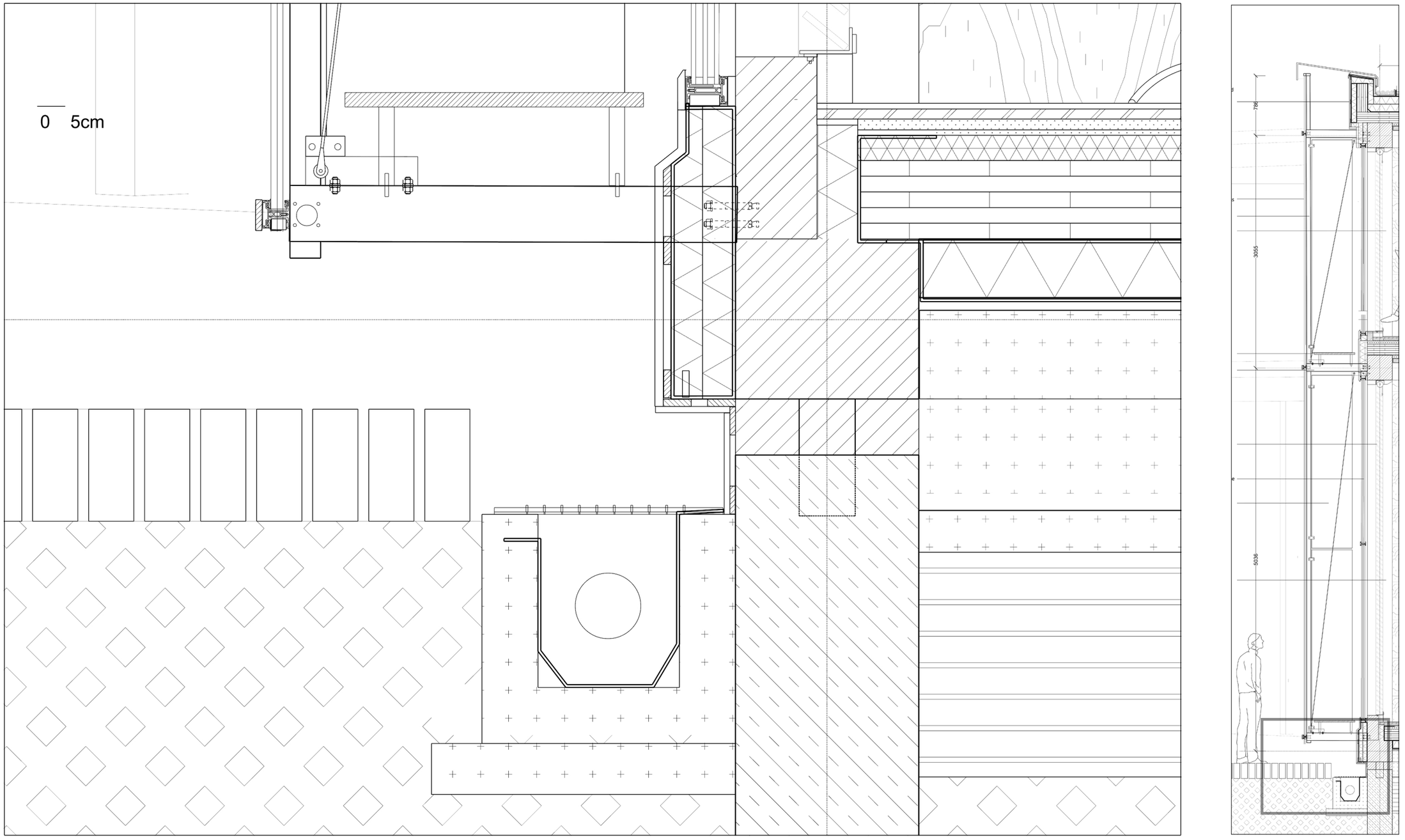
1:5 Double Facade Curtain Wall System



1:5 Double Facade Curtain Wall System



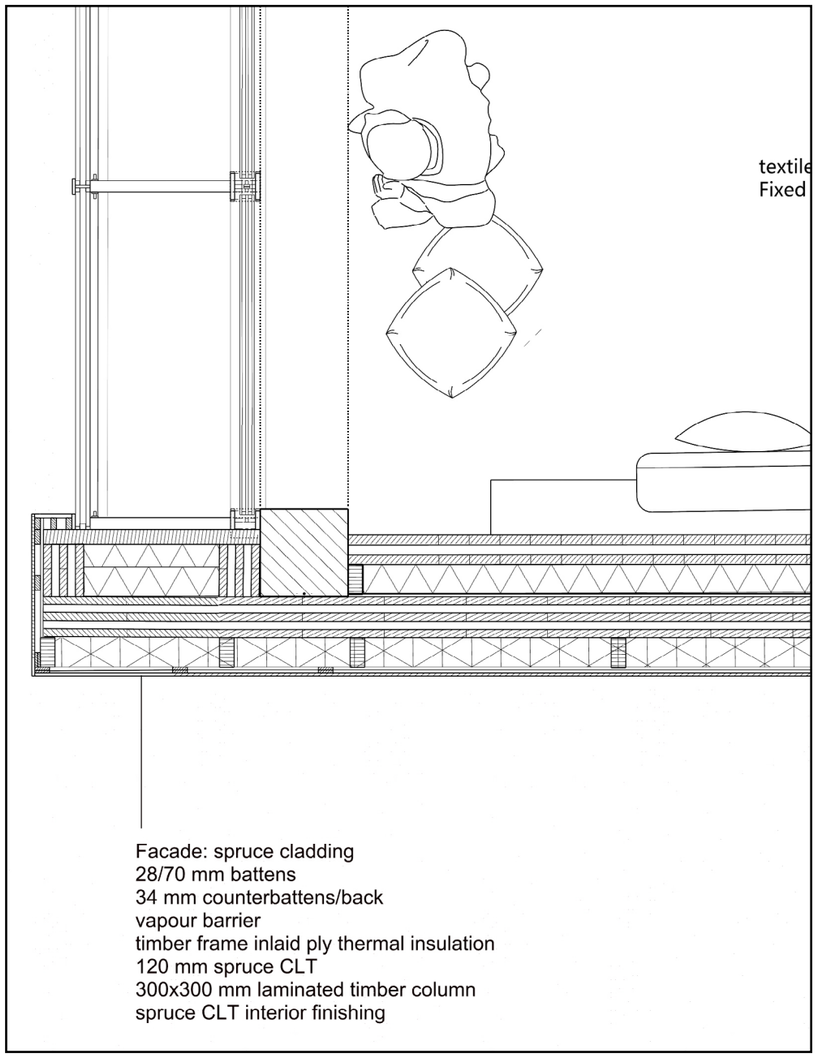
1:5 Double Facade Curtain Wall System



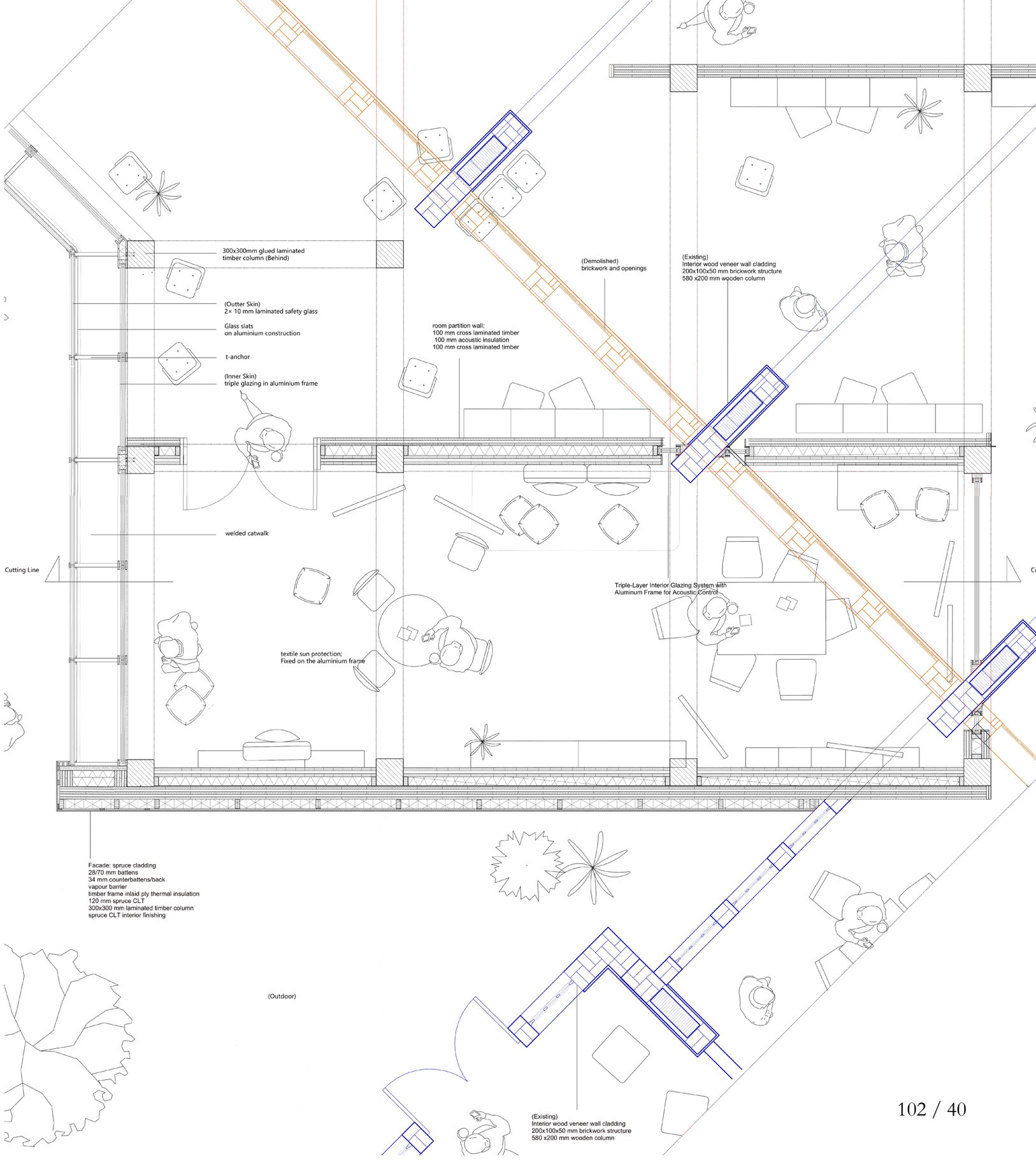
1:20 Section (Horizontal)



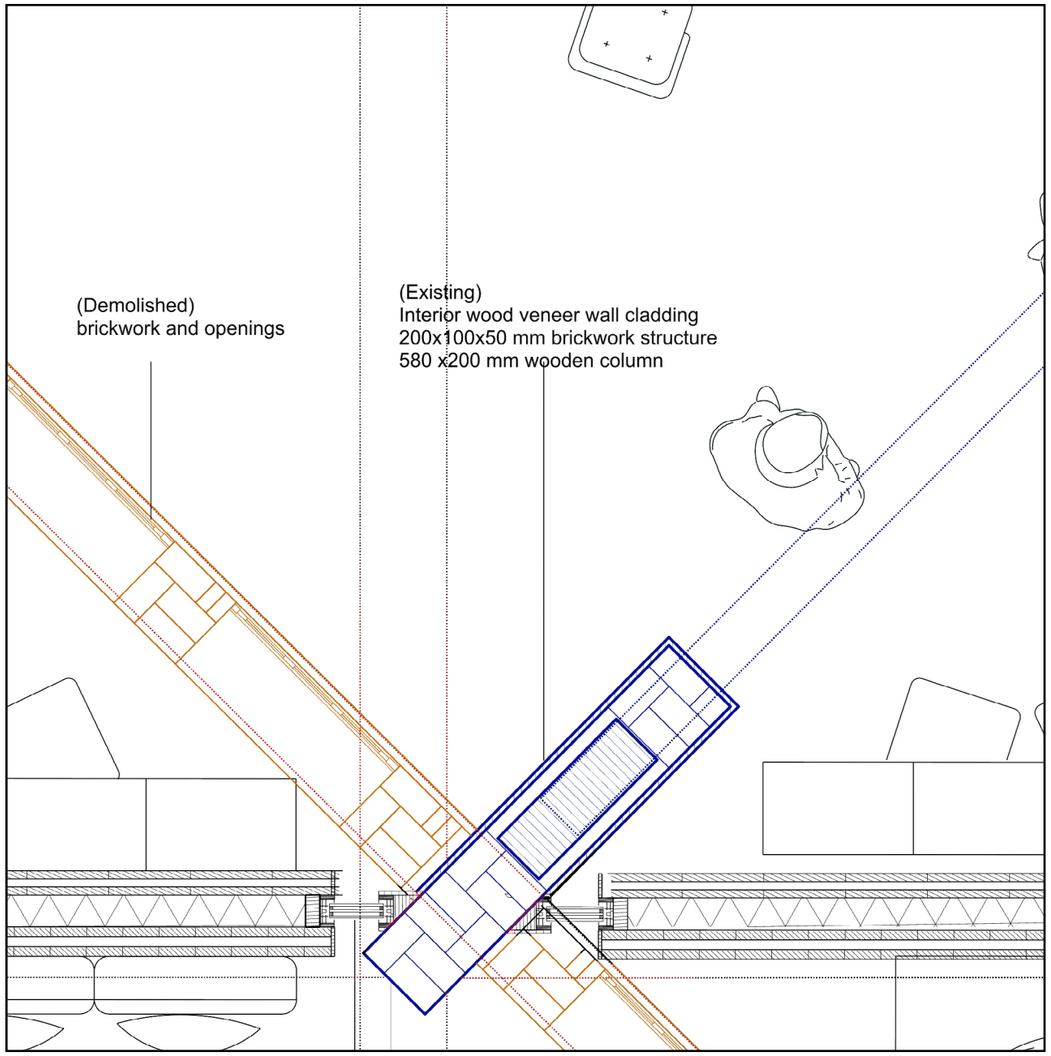
Facade



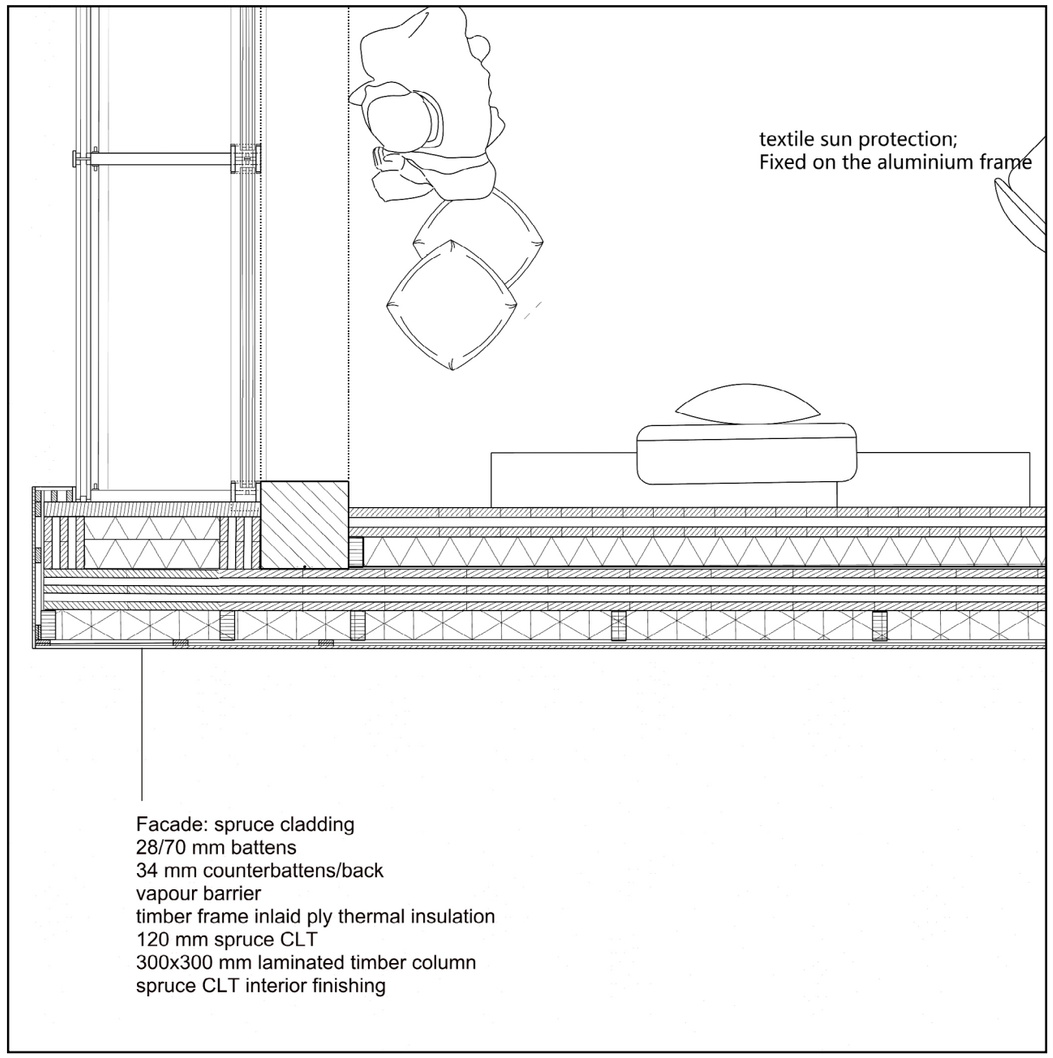
Facade: spruce cladding
28/70 mm battens
34 mm counterbattens/back
vapour barrier
timber frame inlaid ply thermal insulation
120 mm spruce CLT
300x300 mm laminated timber column
spruce CLT interior finishing



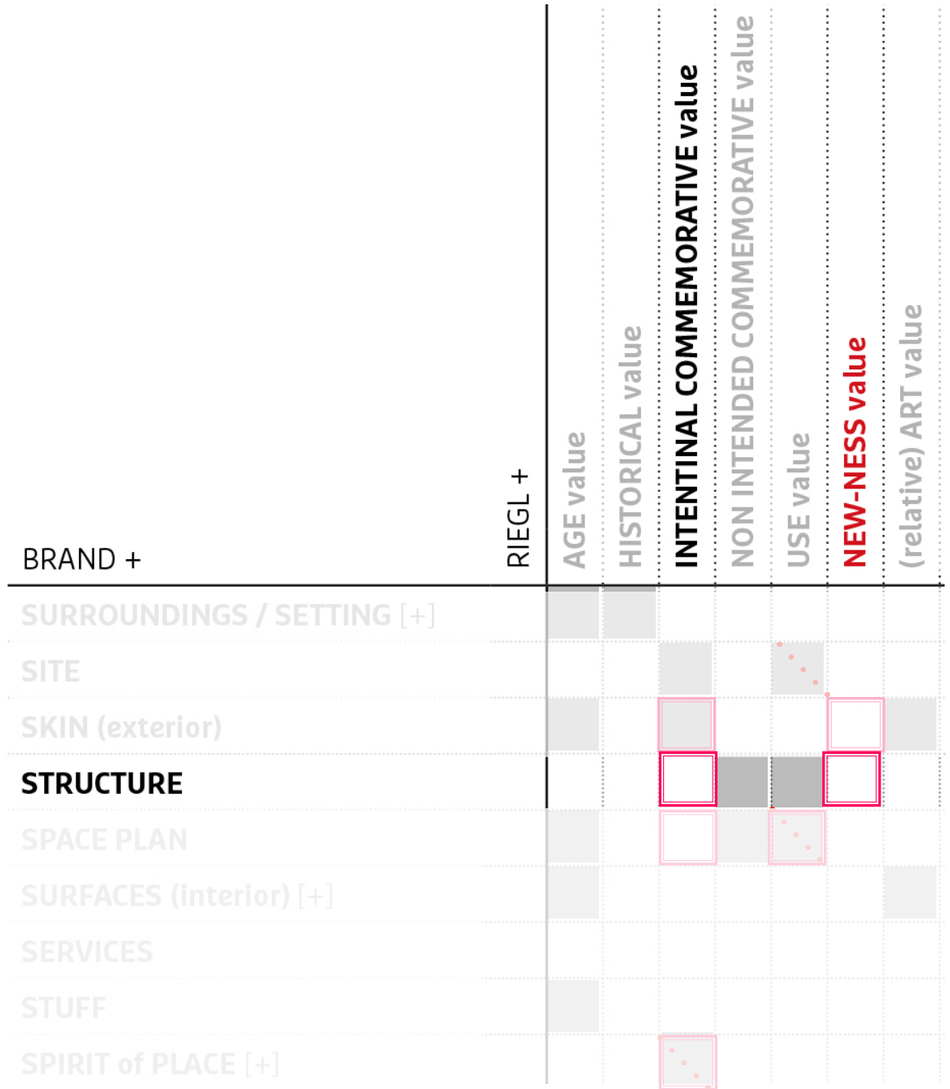
Interior Joint

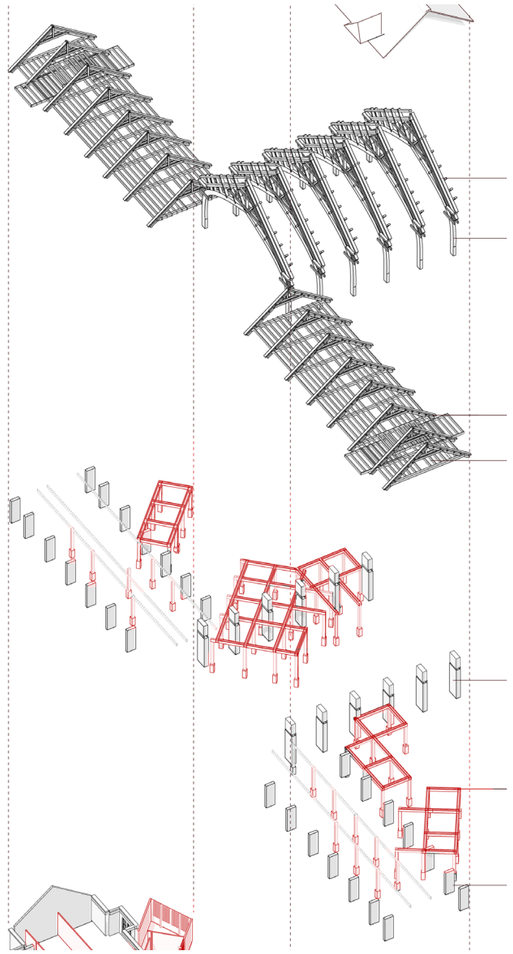


Facade

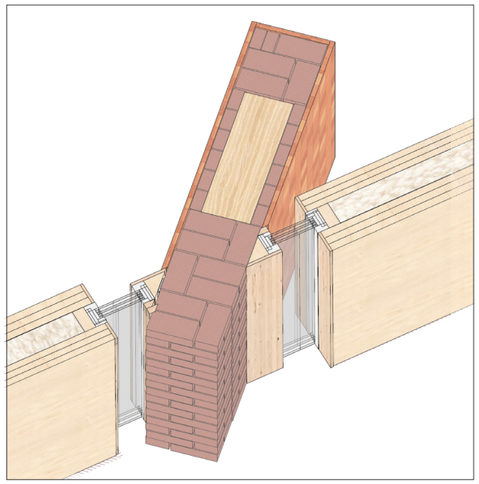


Enhanced Heritage Values - Structure







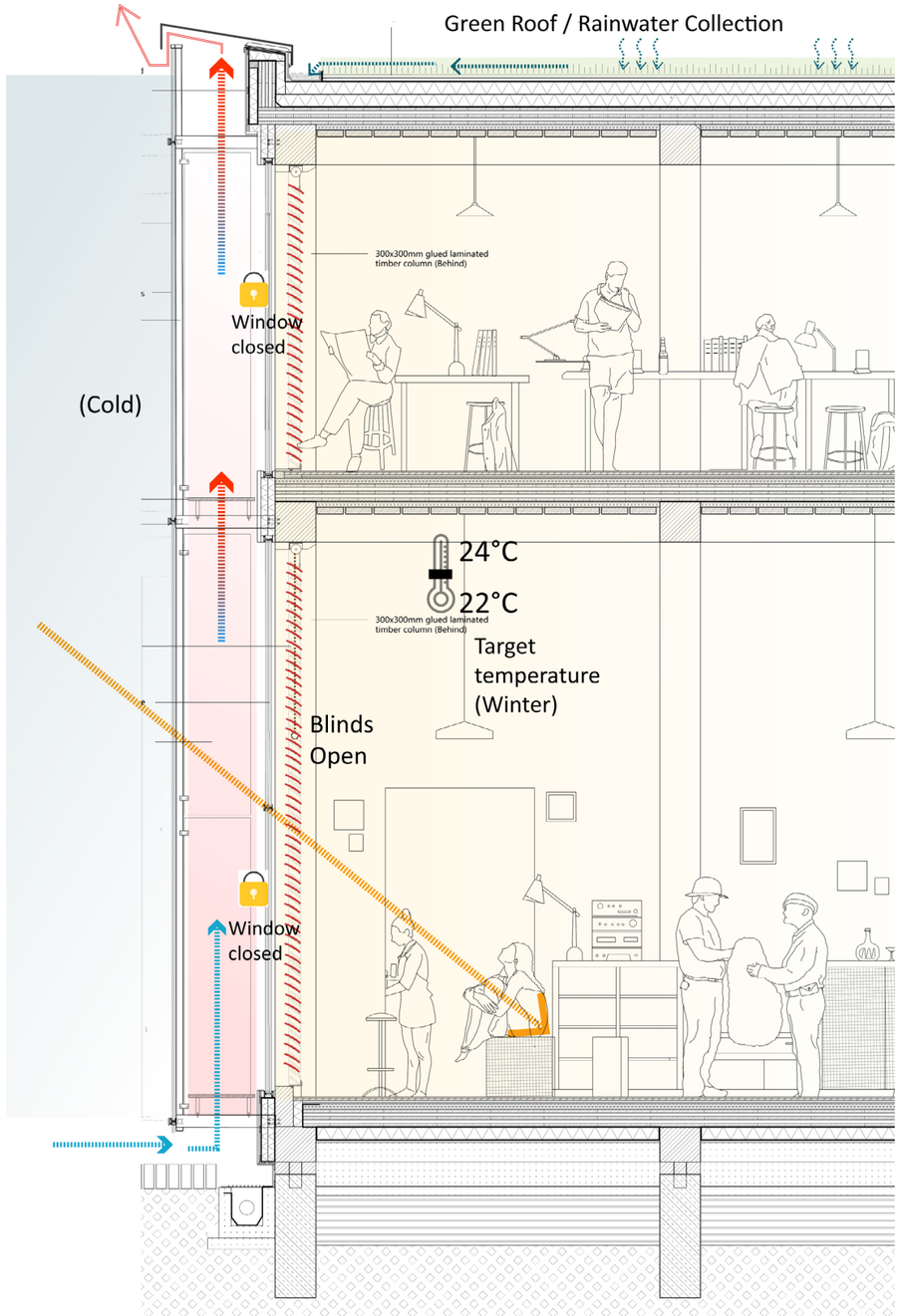


The existing structure system has been carefully preserved to maintain the original integrity and symbolic authority of the space. This structural deliberate preservation reinforces the building's original purpose and social meaning, in line with intentional commemorative value.

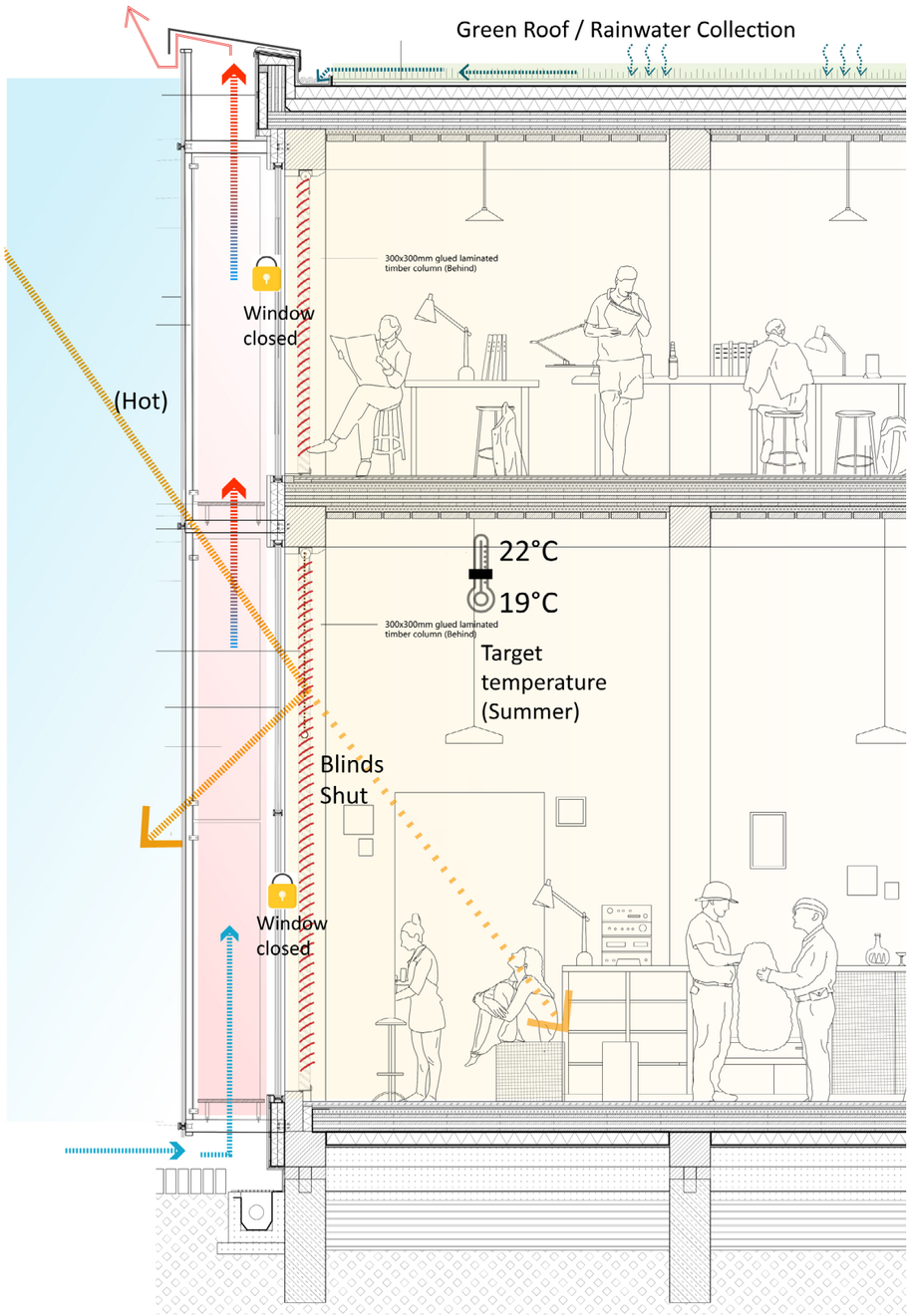
For the newness value, people can see and appreciate the new system as new, not as a mimic or extension of the old, which creates a layered dialogue between time periods.

Facade/ Roof System





In Winter, cold air enters at the bottom, warms up in the buffer zone and goes out at the top. Blinds are open to allow sunlight in, aiding passive heating.

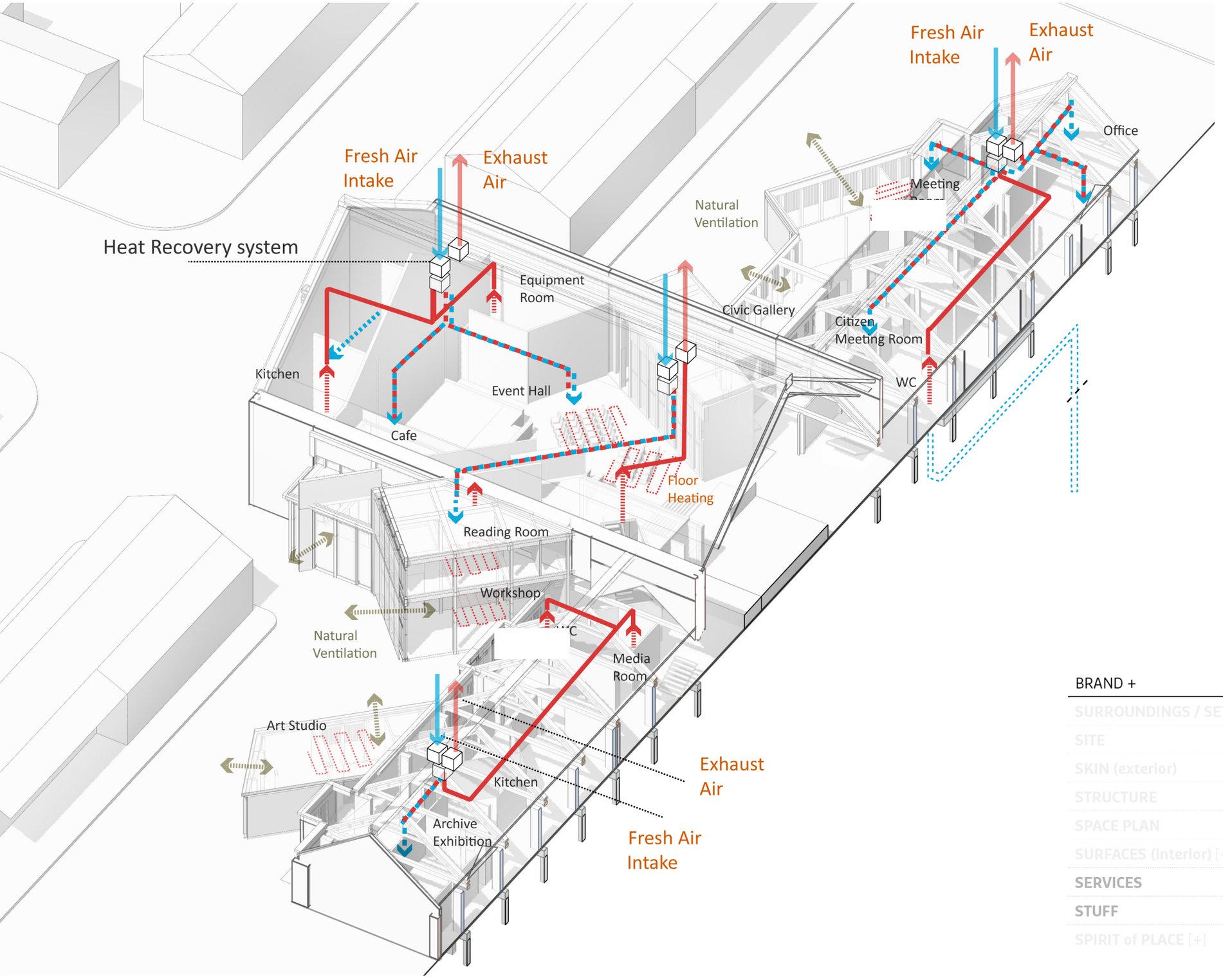


In Summer, hot air is blocked by blinds, reducing solar gain. Warm air rises and goes out through the top. Windows stay closed in both cases.



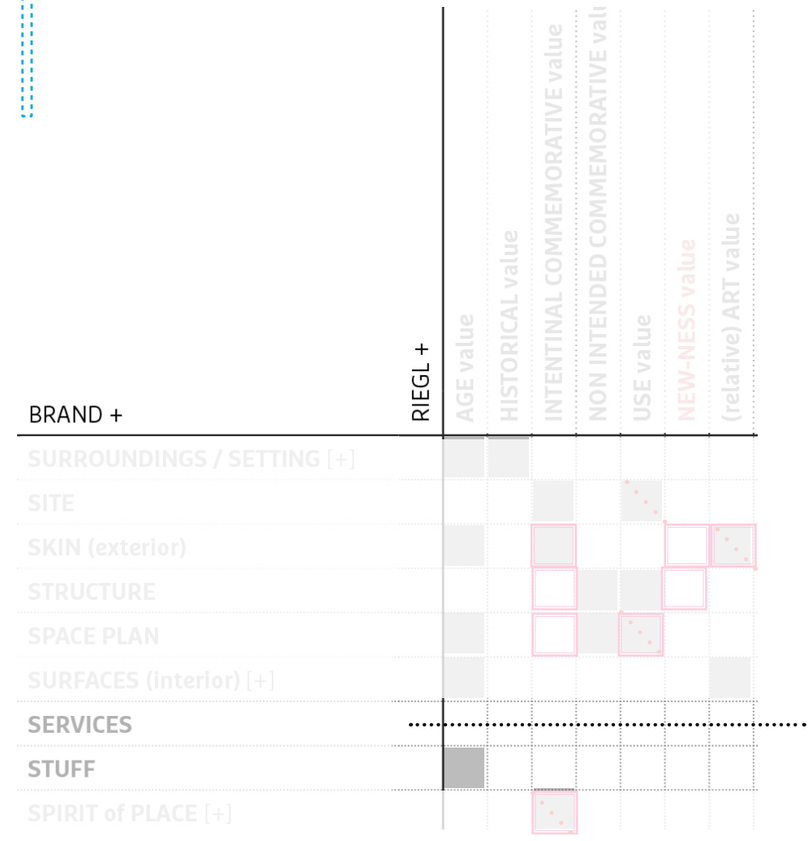
Temperature of the inblown air spread through the building

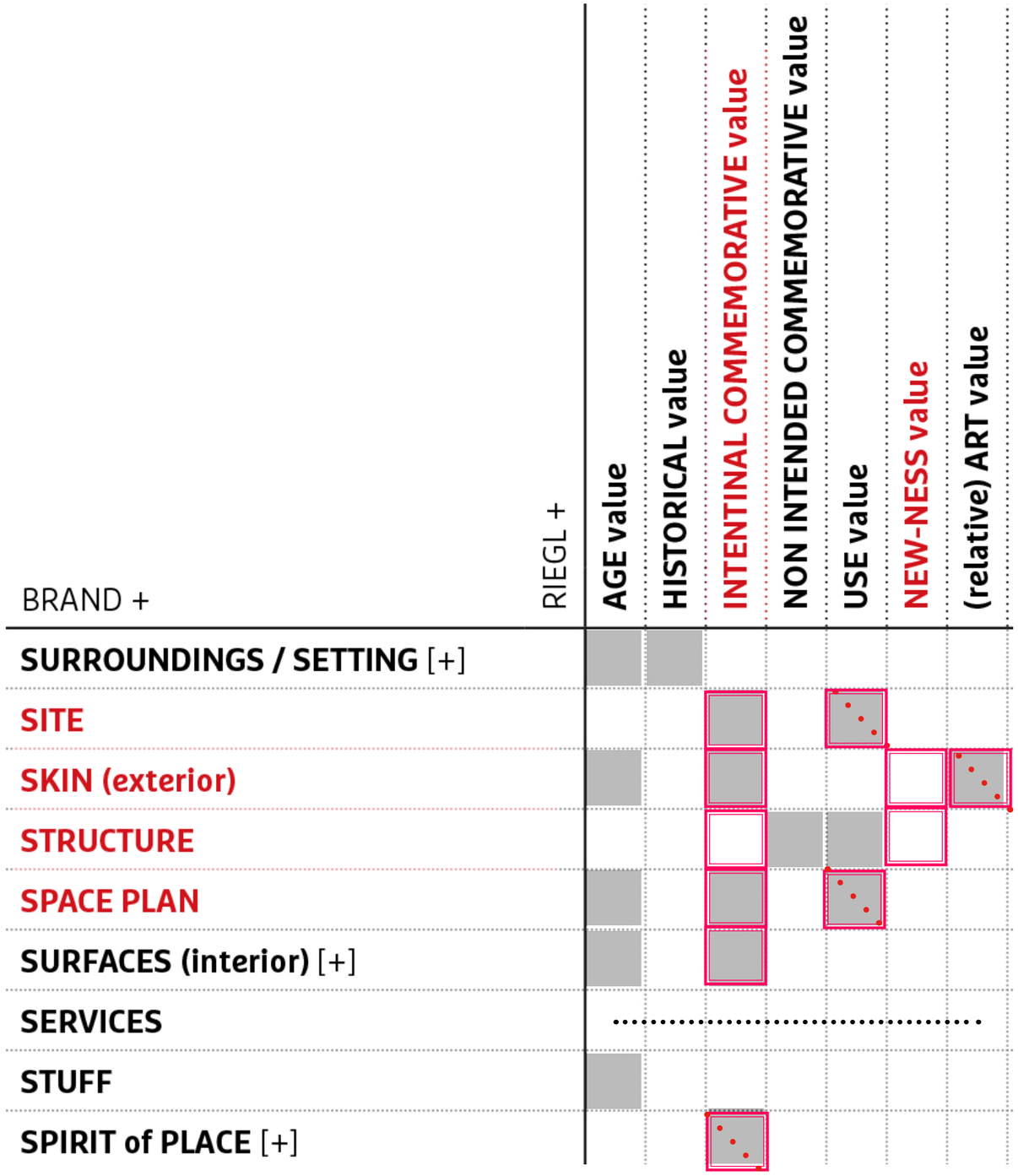
Heating and Cooling (Service)



In the service design aspect, the intervention does not aim to contribute to the building's heritage value as defined by Riegl.

Instead, the primary design principle was to ensure a comfortable and healthy indoor climate for users.




BRAND +
RIEGL +
AGE value
HISTORICAL value
INTENTINAL COMMEMORATIVE value
NON INTENDED COMMEMORATIVE value
USE value
NEW-NESS value
(relative) ART value
SURROUNDINGS / SETTING [+]
SITE
SKIN (exterior)
STRUCTURE
SPACE PLAN
SURFACES (interior) [+]
SERVICES
STUFF
SPIRIT of PLACE [+]

Contribution - Renovation as en Experiment

The Focus

	Age	Historical	Intentional Commemorative	Non Intentional Commemorative	Use	New-ness	Art
Setting	Trace for past: 1930s surrounding urban development as hints of former ages	Landmarks near surroundings: NDSM Shipbuilding Industry					
Site			The central square: representation of centralized order and hierachy Integrate everyday experience to existing site hierachy		The central square: can be used for gathering Provide assessibility and new functionality to site		
Skin	The building's skin: Old Brickwork, elements / openings of the facade		Facade as a Symbol: Representing a 'Heritage Narrative' Expose the neglected value of its rear facade			Introduce new spatial and material contrast and contemporary experience	Amsterdam school style; Artistic statues value Exposed the art value by designing the new entrance
Structure			Preserve existing timber truss (to maintain the original and symbolic authority of the space)	Brick and wood construction: Becomes 1930s Structural Aesthetic	Timber Truss with huge span: Leave enough space for use	New structure system is applied to enhance the social meaning	
Space Plan			Event hall on the center: Remind of workingclass's everyday life; Introduce spatial tensions between the authority and the everyday		Multi-functional Use: can be used for vairous activities 3 scenarios are introduced for inclusive use and democratic managment		
Surface	Old Interior ornament: Reflect 1930s interior aesthetic		Design of the stage: Symbol of the building's functionality The design of the stage is preserved throughout renovation				
Services		Not important in this case					
Stuff	Furniture: Audiance seats; wooden stage						
Spirit of Place			Working Atmosphere: place for workingclass, representing 'free' and 'democracy' 3 scenarios are introduced to bring the spirit of the place back				

Discussion and Limitation

	Age	Historical	Intentional Commemorative	Non Intentional Commemorative	Use	New-ness	Art
Setting	Trace for past: 1930s surrounding urban development as hints of former ages	Landmarks near surroundings: NDSM Shipbuilding Industry					
Site			The central square: representation of centralized order and hierachy Integrate everyday experience to existing site hierachy		The central squ can be used for Provide assessi new functionall		
Skin	The building's skin: Old Brickwork, elements / openings of the facade		Facade as a Symbol: Representing a 'Heritage Narrative' Expose the neglected value of its rear facade				
Structure			Preserve existing timber truss (to maintain the original and symbolic authority of the space)	Brick and wood construction: Becomes 1930s Structural Aesthetic	Timber Trus huge span: Leave enou for use		
Space Plan			Event hall on the center: Remind of workingclass's everyday life; Introduce spatial tensions between		Multi-functiona be used for vari 3 scenarios are for inclusive us democratic ma		
Surface	Old Interior ornament: Reflect 1930s interior aesthetic						
Services							
Stuff	Furniture: Audiance seats; wooden stage						
Spirit of Place			Working Atmosphere: place for workingclass, representing 'free' and 'democracy' 3 scenarios are introduced to bring the spirit of the place back				

'Age Value' is considered as a renovation focus, while the design didn't reflect the age value directly.

Thus, an improvment could be emphasizing the aging characteristic of the architecture.

BRAND + / RIEGL +	AGE value	HISTORICAL value	INTENTINAL COMMEMORATIVE value	NON INTENDED COMMEMORATIVE value	USE value	NEW-NESS value	(relative) ART value
SURROUNDINGS / SETTING [+]	■	■					
SITE			■		■		
SKIN (exterior)	■		■				■
STRUCTURE				■	■		
SPACE PLAN			■		■		
SURFACES (interior) [+]	■		■				
SERVICES							
STUFF	■						
SPIRIT of PLACE [+]			■				

'Spirit of Place' is not largely emphasized by listed value sets, while playing an important role in renovation approaches.

As a historical social attribute, heritage value of 'Spirit of Place' should not be underestimated.