

New Landmarks

Every time just a little further,

Day 1. up until the dogs who lost their homes

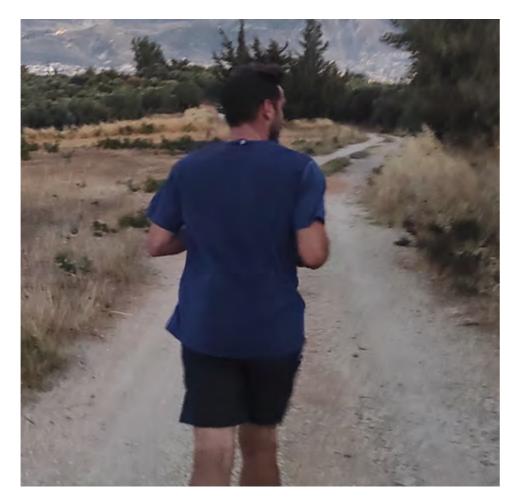
Day 2. up until the remains of a house, stripped of all its fervor

Day 3. up until the village intersection, blotted with tents and domes

Day 4. up until to where the road cracked open

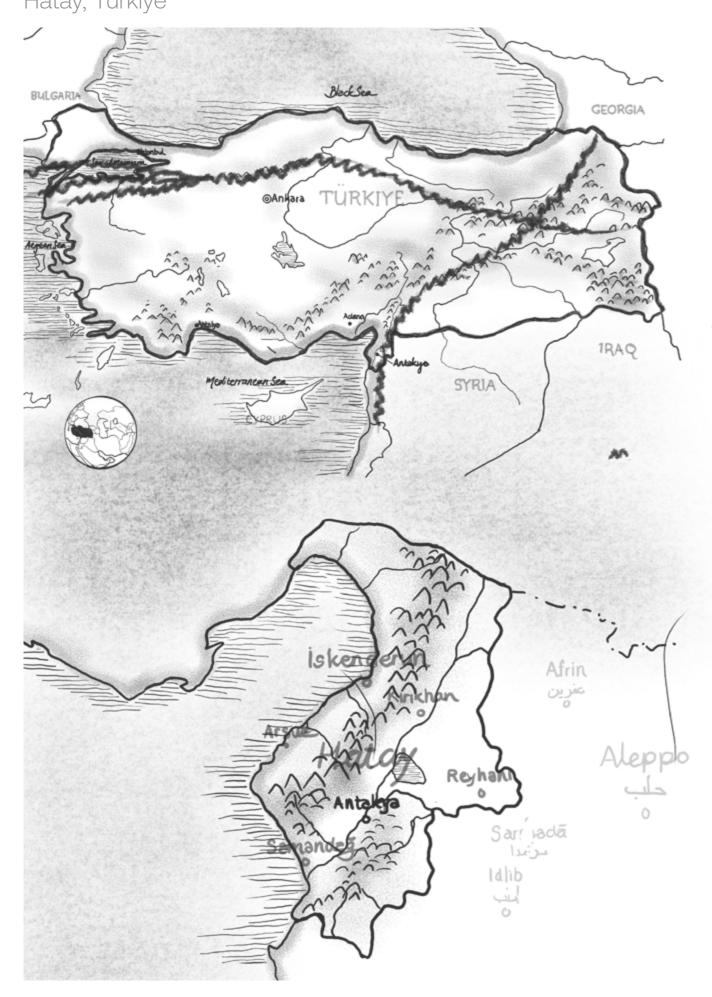
Day 5. up until the only house still standing

Until we reached the last day, and all which was left was to take a turn right a tend to our descent





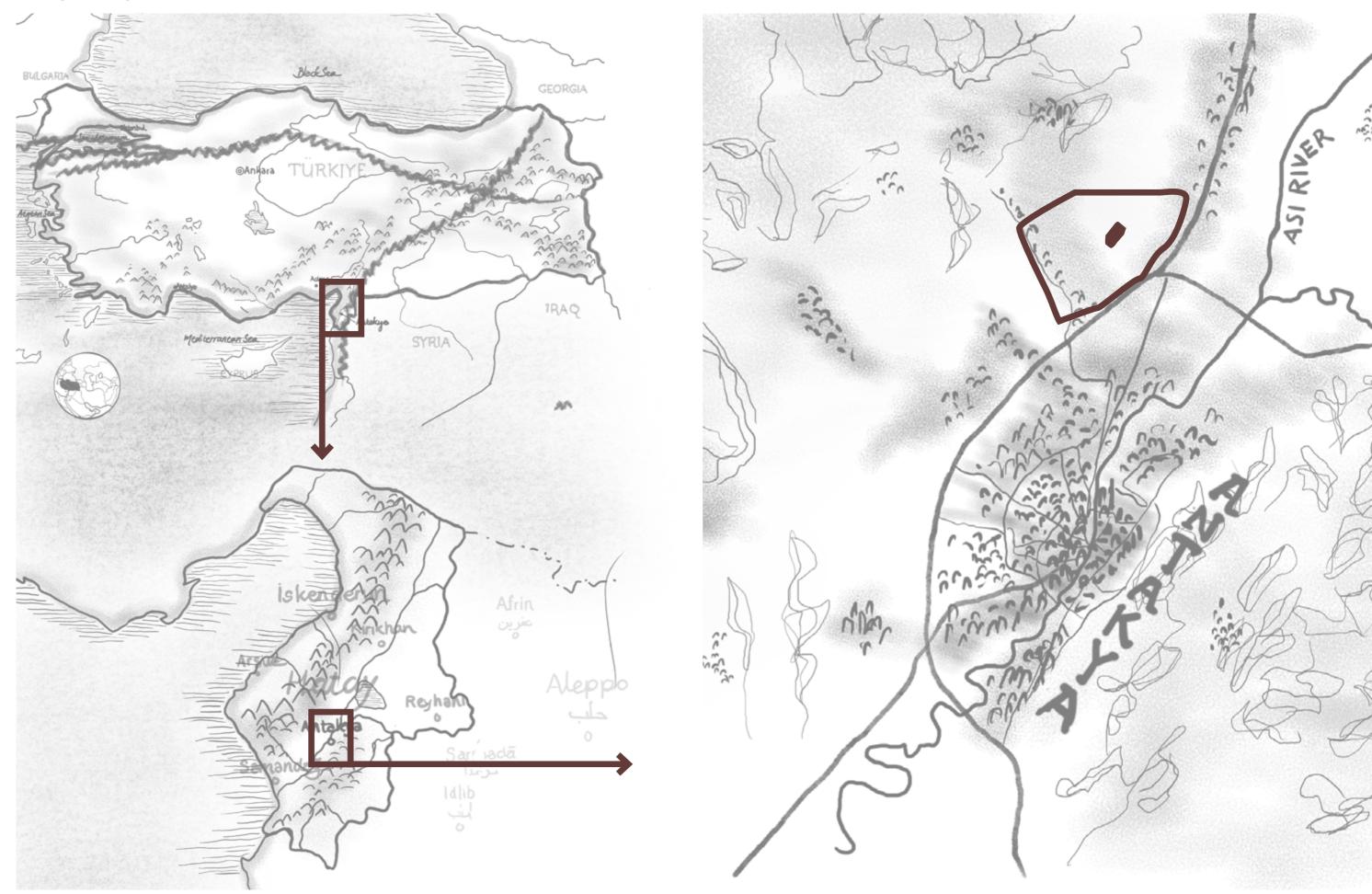
Introduction Hatay, Türkiye





The layman's mosaic

Introduction Hatay, Türkiye



The layman's mosaic

Introduction February 6th, 2023



IntroductionMy involvement: Örnek Evler



IntroductionMy involvement: Örnek Evler



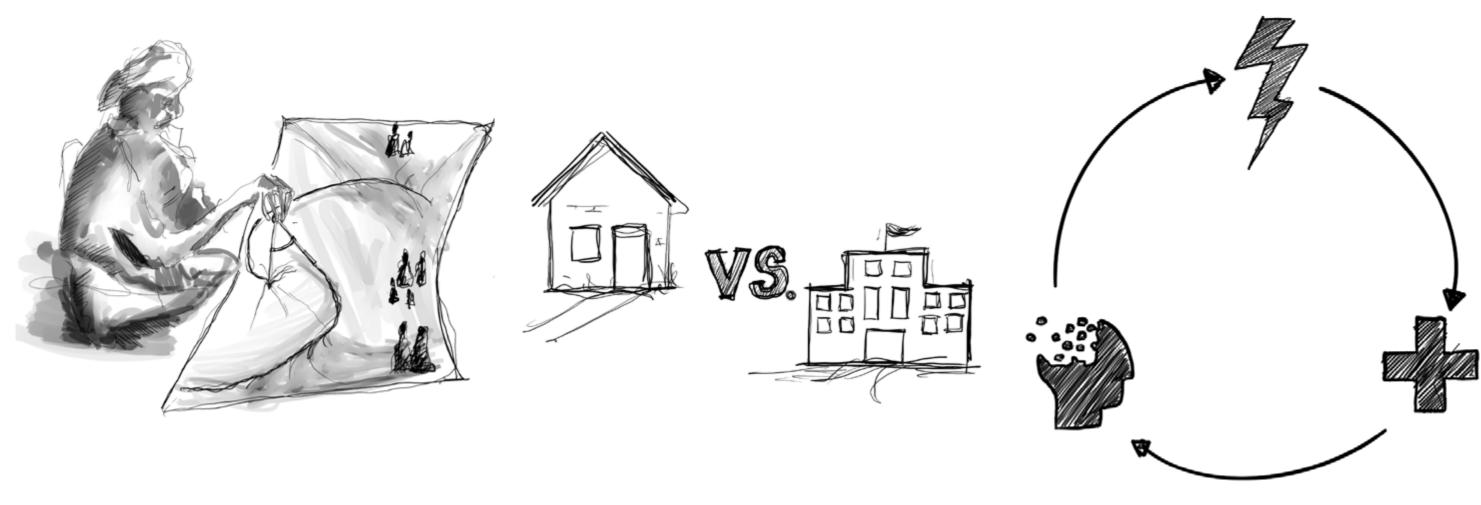
IntroductionMy involvement: Örnek Evler











"Angels hovering above"

The focus on housing versus public spaces

A culture of forgetting



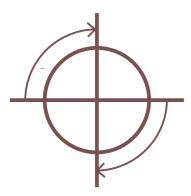
"How can a Space of Gathering offer relief on the short term and generate resilience within a community on the long term in the post-disaster context of Antakya?"

The layman's mosaic 12





The production of Spaces of Gathering

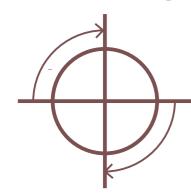


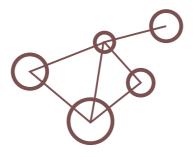




The production of Spaces of Gathering

The establishment of a network





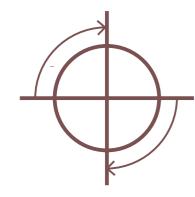


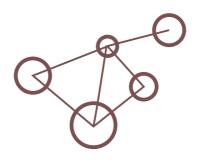


The production of Spaces of Gathering



Architecture as a typologydefining tool



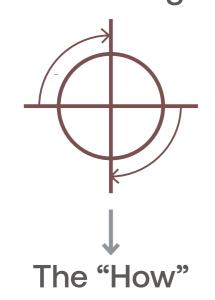


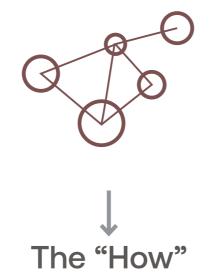


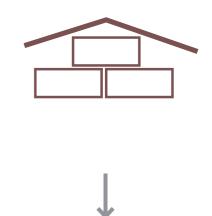
The production of Spaces of Gathering

The establishment of a network

Architecture as a typologydefining tool



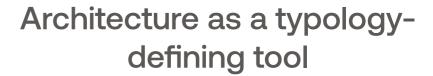




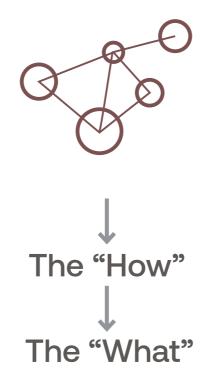
The "How"

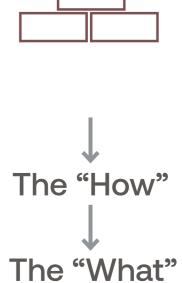
The production of Spaces of Gathering

The establishment of a network







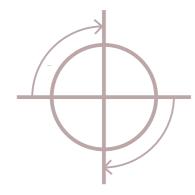


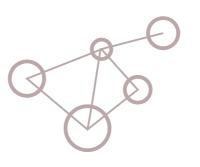


The production of Spaces of Gathering

The establishment of a network

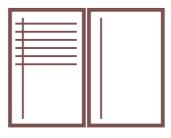
Architecture as a typologydefining tool







2. The Checklist of Requirements & The Tool kit



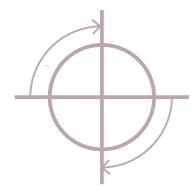


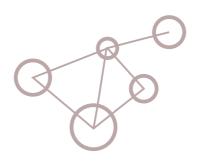


The production of Spaces of Gathering

The establishment of a network

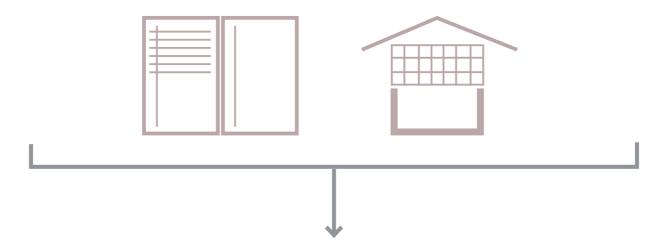
Architecture as a typologydefining tool







2. The Checklist of Requirements & The Tool kit



3. The Proposed Design



Three-part Research

The Production of Spaces of Gathering



Three-part Research

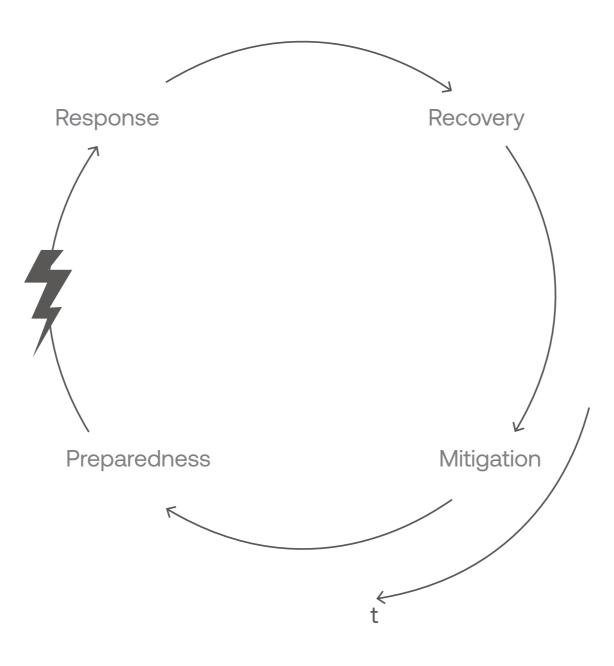
The Production of Spaces of Gathering

How?

A participatory approach

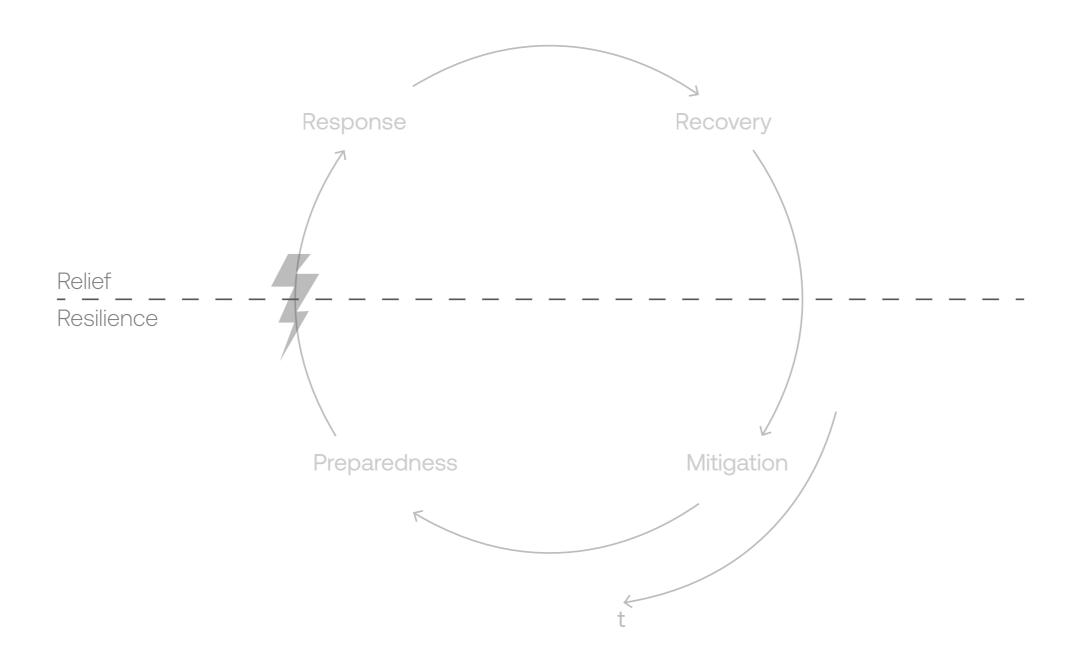


The Disaster Management Cycle

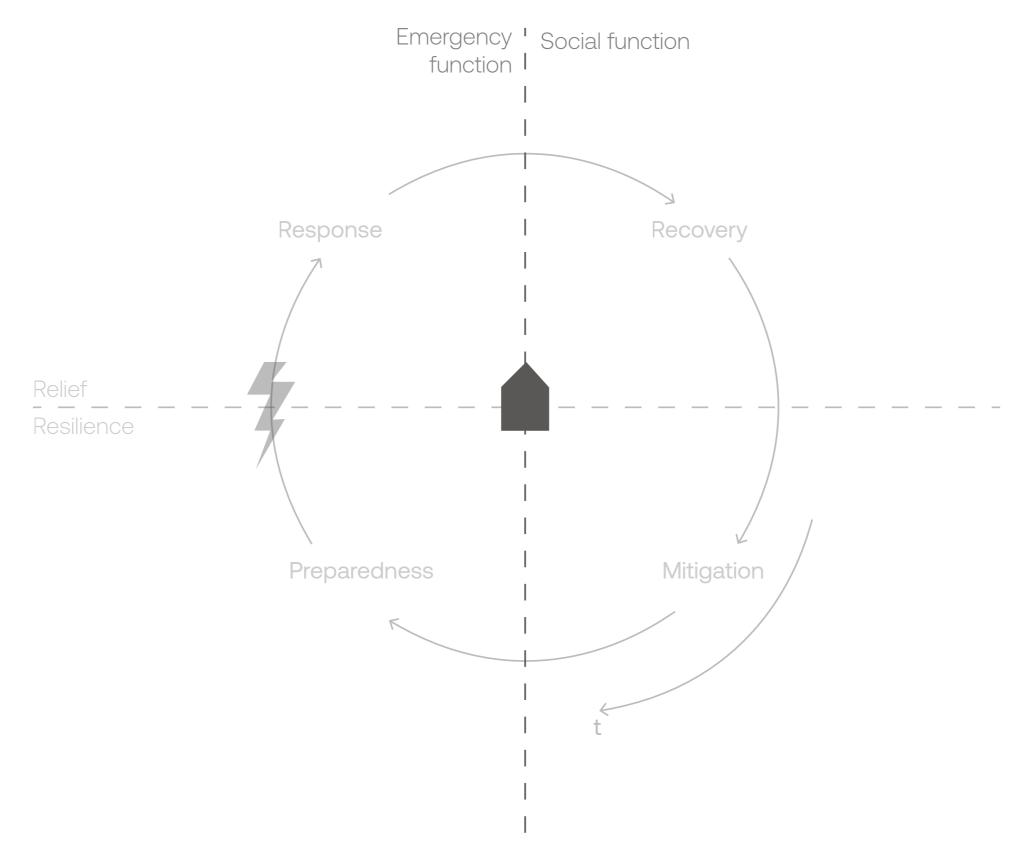


Tijs Reijer van der Eng 24 The layman's mosaic

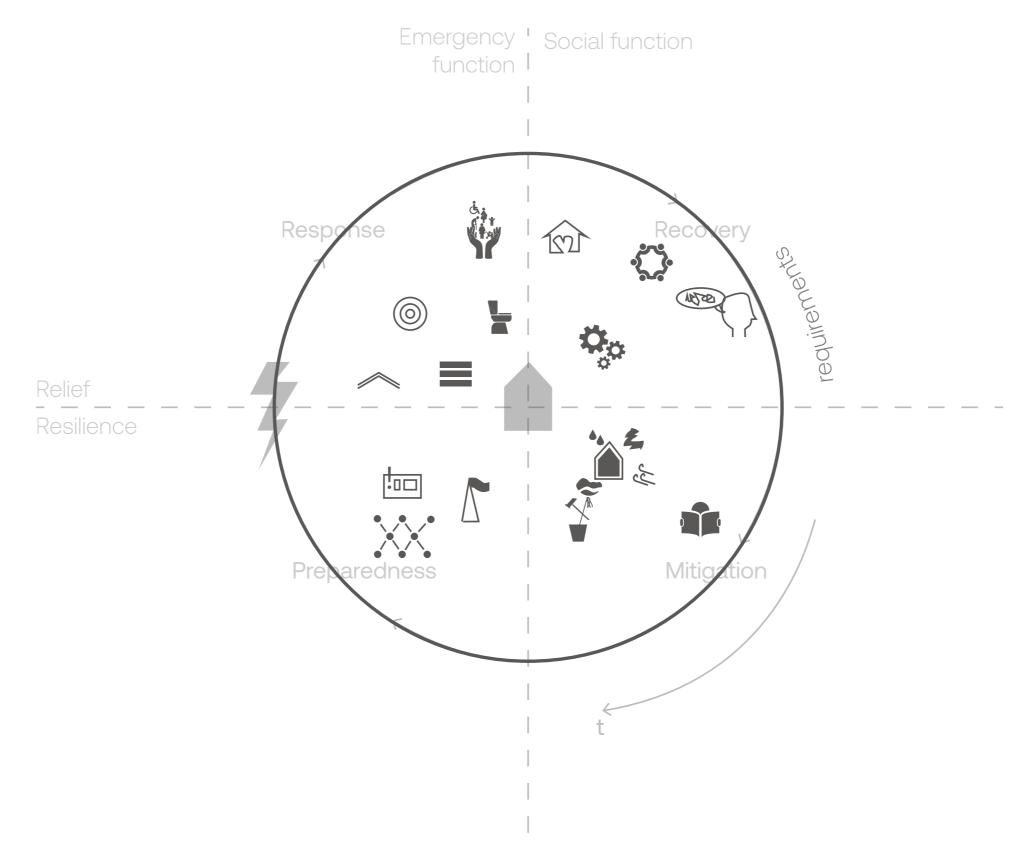
Relief, Resilience & The **Disaster Management Cycle**



In the light of 'a space'



Attibuting Requirements



Tijs Reijer van der Eng 27 The layman's mosaic

Three-part Research

The Production of Spaces of Gathering

What?

The Production of Spaces of Gathering The Initial Checklist

Set (S) / Open (O)	Chapter	Consideration	Physical (O) or Social (X)	Comments	Source for consideration	Where to find information
	1. Relief					
	1.1 Response					
0	1.1.1					
U	Site/Location					
	Site/ Location	Access for	0	Sufficient parking for	Kilci, Kara &	make use of
		transportation		heavy vehicle access,	Bozkaya (2014)	available
		of items		and suitable for		mapping
				helicopter landing		(ArcGIS, USGS)
		Procurement of	0	Suitable bulk storage	u	-
		items		area for pre-positioning of emergency supplies		
		Healthcare	0	See previous + ensure	u	make use of
		items		healthcare facility in		available
				vicinity		mapping
						(ArcGIS, USGS)
		Topography terrain	0	Check topography of	u	"
		terrain		considered site (remote sensing), ensure		
				elevation above risk area		
				flooding, yet accessible		
				by foot		
		Type of terrain	0	e.g. hard rock easier to	u	u u
		soil		build on and prevent risk of landslides		
		Slope	0	Consider minimal slope	и	и
				on designated area and		
				direct environment		
		Flora	0	Safe distance from large	Kilci, Kara &	make use of
				trees, but ideally vegetation which can	Bozkaya (2014), IOM &	available
				generate shade	UNICEF (2016)	mapping (ArcGIS, USGS),
				generate shade	0111021 (2010)	site visits
		Check area for	0	Fire, Flooding,	IOM & UNICEF	make use of
		vulnerability to		Landslides, Earthquakes,	(2016)	available
		primary &		heavy storm and rainfall,		mapping
		secondary hazards		smoke/gas		(ArcGIS, USGS), understand
		Hazaras				wind direction
		<u> </u>				etc.
		Safe distance	0	-	IOM & UNICEF	make use of
		from facilities			(2016)	available
		manufacturing hazardous				mapping (ArcGIS, USGS),
		materials				site visits
		Safe distance	0	-	u	Hatay
		from overhead				municipality
		powerlines				documentation,
						remote sensing

		Safe distance from adjacent buildings Accessibility all-	0	which would/could form a collapsing/damaging threat	и	make use of available mapping (ArcGIS, USGS), site visits
		year round	O	the various climates around the year the region and effect on terrain/access roads		available mapping (ArcGIS, USGS), Weather atlas (2023)
		Proximity to potential evacuees	0	Potential evacuees considered within 4km range	и	Based on AFAD (2023)
		Proximity to potential evacuees	0	By remote sensing/ using mapping and information, site analysis	и	Google maps, current information by AFAD (2023)
		Building should be accessible by main road	0	By remote sensing/ using mapping and information, site analysis	и	Google maps, current information by AFAD (2023)
		Provide sufficient parking space	0	Considering amount of people who will come by car (keep minimized to avoid blockading)	и	-
		Prospect area should be able to house additional facilities	0	e.g. space for putting up temporary tents	и	make use of available mapping (ArcGIS, USGS), site visits
		Prospect area should be able to house area for livestock	0	-	и	и
		Power supply	0	The area should be connected to main power supply and have an emergency generator	и	Hatay municipality
		Water access	0	The area should have access to water for domestic and	и	Hatay municipality
		Reliable signal	0	The area should be able to receive and send telecommunication signals	и	Hatay municipality
S	1.1.2 Building capacity					
	Inside	Minimal UCA (ex. Lobbies, stairs, service and storage)	0	Emergency capacity (<72h: 1-1,5m2/p.) From amount of inhabitants in 4km range / 5*0,5	IOM & UNICEF (2016)	AFAD (2023); kimura et al. (2004); Türkiye Nüfusu İl ilçe Mahalle Köy Nüfusları (2022),

Tijs Reijer van der Eng 29 The layman's mosaic

The Production of Spaces of Gathering The Initial Checklist

	1. Relief												
	1.1 Response 1.1.1												
	Site/Location												
S	tructured	along	the id	deas of ensure	Referer	ncing ex	istin	g checkl	ists l	Distir	nction betwe	een "se	t" and
	relief	and res									"ambiguou	s" parts	current information by AFAD (2023)
		Topography terrain	0								Considering amount of people who will come by car (keep minimized to avoid blockading)		
		vpe of turrain sol									e.g. space for putting up temporary te		
		Flora											
								1.1.2 Building capacity					

Tijs Reijer van der Eng 30 The layman's mosaic

The Production of Spaces of Gathering The Initial Checklist

	1. Relief												
	1.1 Response												
	1.1.1 Site/Location												
S				of emergency supplies G. Sio OH ensure healthcare facility in	Referer		istin	g checkl	evacuees StS Building should	Distin	ction betwe	een "se	t" and
	relief	and res	iliend	enity in							"ambiguou	s" parts	
		Topography terrain	0								Considering amount of people who will come by car (keep minimized to avoid blockading)	"	
		type of terrain				и					e.g. space for outting up temporary te		
		Slope				"						И	
								1.1.2 Building capacity					

Tijs Reijer van der Eng 31 The layman's mosaic

Distilled into 5 Themes

Function







Recognizability









Distilled into 5 Themes

Function Location Organization WHAT? WHERE? HOW? WHO? WHY?

Giving shape to initial scenarios

Function

Location

Safety & **Comfort**

Organization

Recognizability







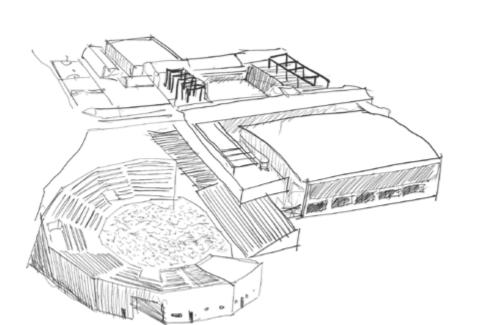




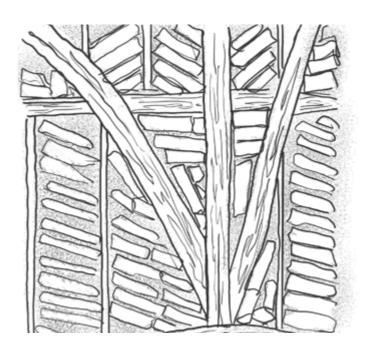
Giving shape to initial scenarios

Function

Location

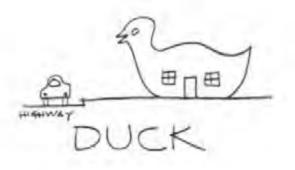


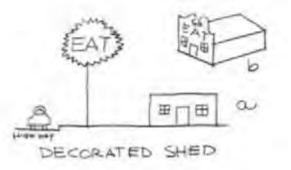
Safety & **Comfort**



Organization

Recognizability





Conversion into toolboxes

Function

Location

Safety & **Comfort**

Organization

Recognizability













The Production of Spaces of Gathering The Workshops

The Workshops





The Results

Themes	Function	Location	Safety & Comfort	Organization	Recognizability
Requirements / Recomendations					

Tijs Reijer van der Eng 39 The layman's mosaic

The Results

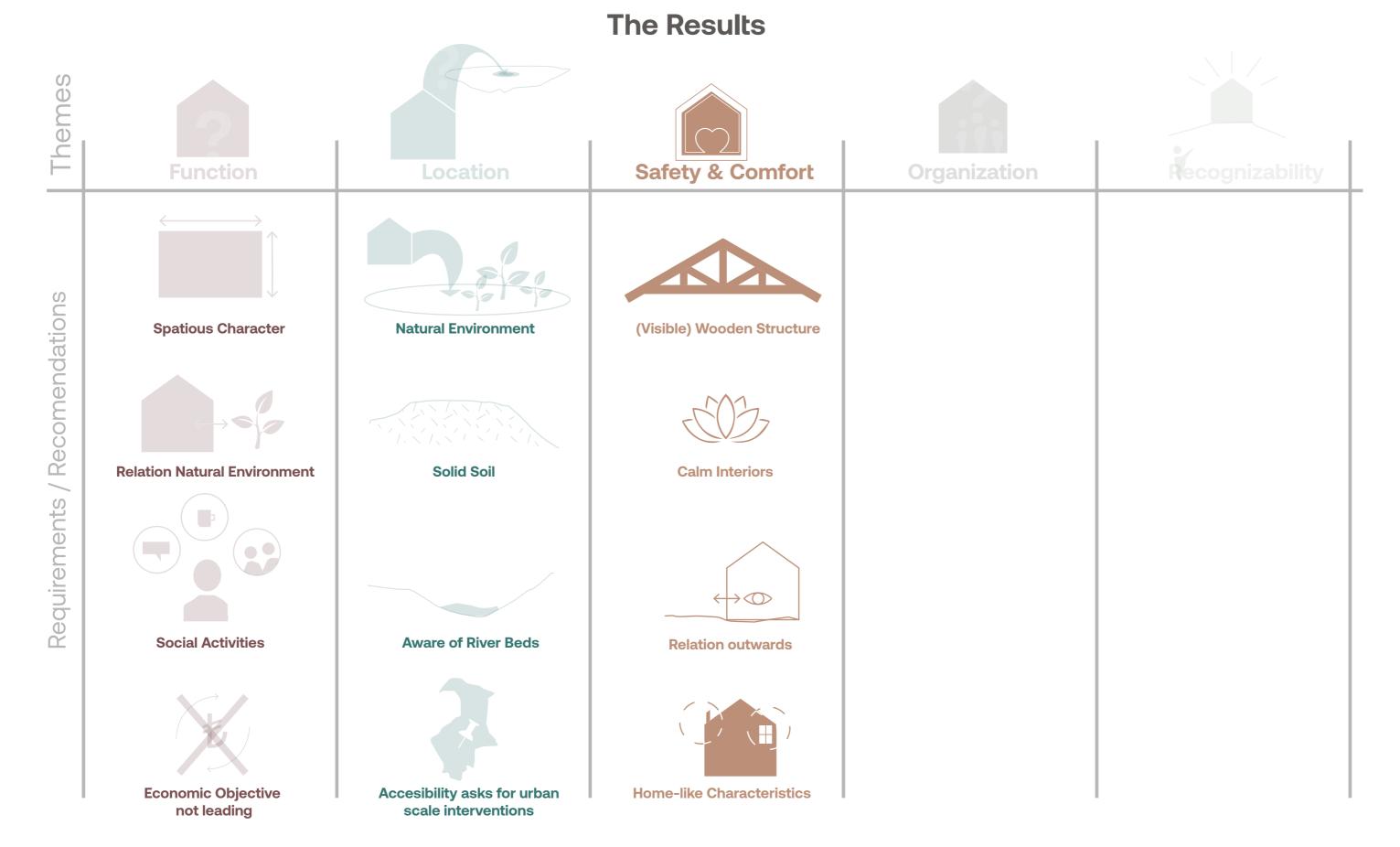
Themes	2				
	Function	Location	Safety & Comfort	Organization	Recognizability
Requirements / Recomendations	Spatious Character Relation Natural Environment Social Activities				
	Economic Objective				
	not leading				

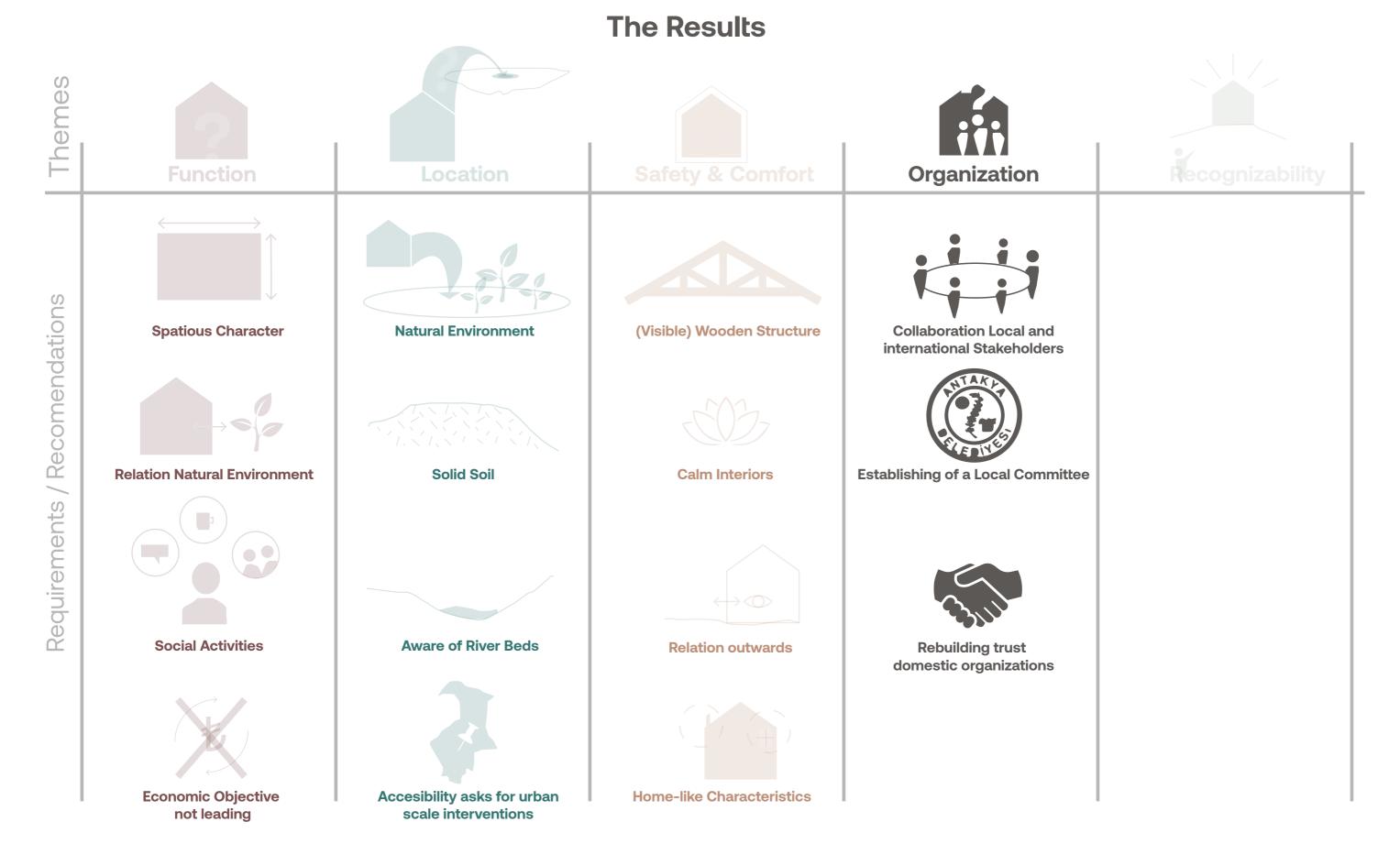
Tijs Reijer van der Eng 40 The layman's mosaic

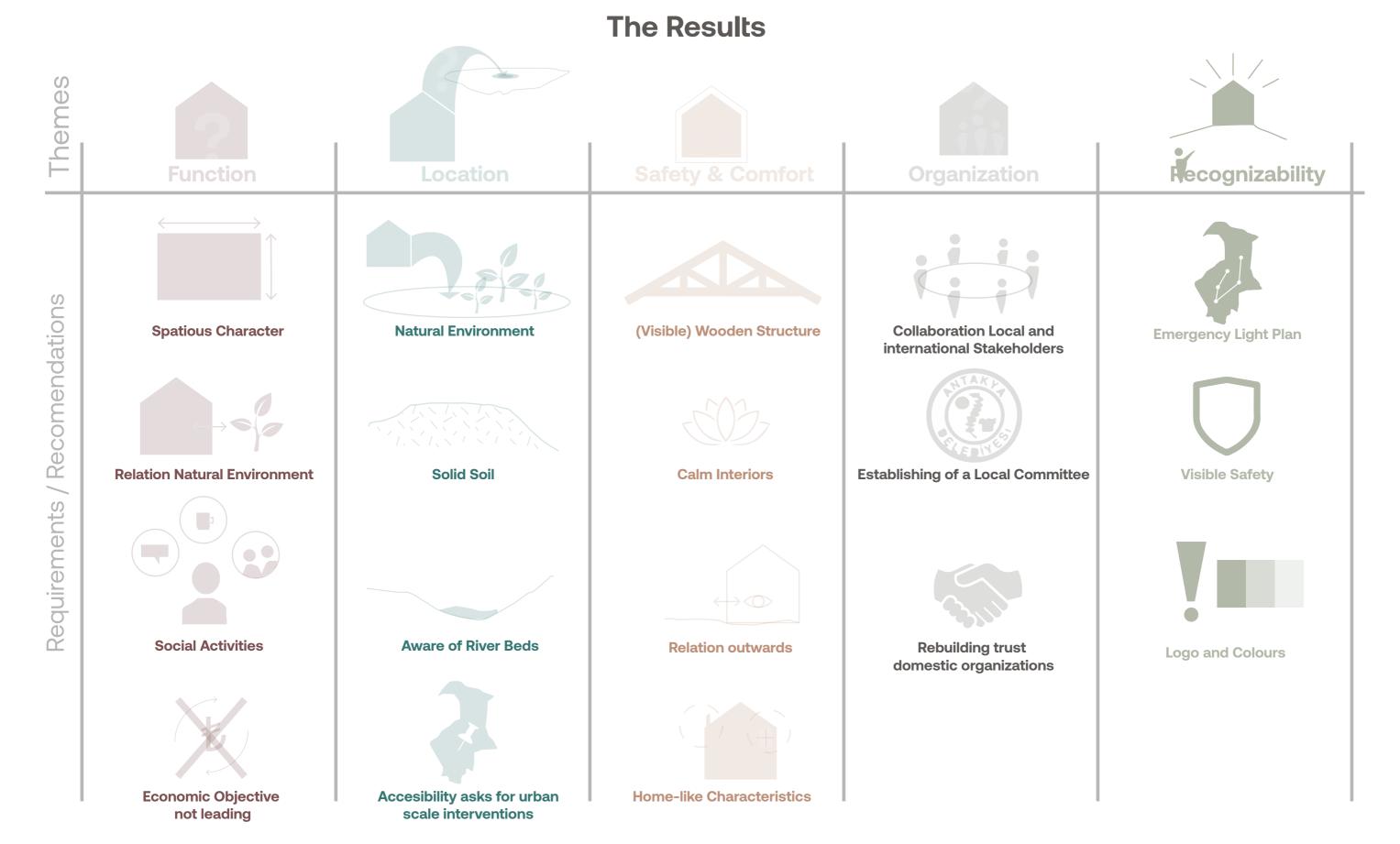
The Results

Themes	Function	Location	Safety & Comfort	Organization	Recognizability
lations	Spatious Character	Natural Environment			
Recomendations	Polation Notural Environment	Solid Soil			
Requirements / F	Relation Natural Environment	Solid Soil			
A	Social Activities	Aware of River Beds			
	Economic Objective not leading	Accesibility asks for urban scale interventions			

Tijs Reijer van der Eng 41 The layman's mosaic







The Production of Spaces of Gathering The Revised Checklist

Checklist of Requirements (L.o.R.)

Emergency function checklist for the construction of new-to-be-build COMPASS (PUSULA) buildings in the Hatay province, Türkiye

February 2024

UNDER CONSTRUCTION



Set (S) / Open (O)	Chapter	Consideration	Physical (P) or Social (S)	Comments	Involved Stakeholder(s)
	1. Relief				
	1.1 Response				
S	1.1.1 Site/Location				
		Access for	Р	Sufficient parking for heavy	
		transportation of		vehicle access, and suitable for	
		items	D.	helicopter landing	
		Procurement of items	Р	Suitable bulk storage area for pre-positioning of emergency supplies	
		Healthcare items	Р	See previous + ensure healthcare facility in vicinity	
		Topography terrain	Р	Check topography of considered site (remote sensing), ensure elevation above risk area flooding, yet accessible by foot	
		Type of terrain soil	Р	e.g. hard rock easier to build on	
				and prevent risk of landslides	
		Slope	Р	Consider minimal slope on designated area and direct environment	
		Natural environment	Р	The site should be able to provide in encapsulating a natural environment (e.g. in rural area maintaining quality or in urban area including park environment if not present yet)	
		Flora	Р	Safe distance from large trees, but ideally vegetation which can generate shade	
		Check area for vulnerability to primary & secondary hazards	Р	Fire, Flooding, Landslides, Earthquakes, heavy storm and rainfall, smoke/gas	
		Safe distance from facilities manufacturing hazardous materials	Р	-	
		Safe distance from overhead powerlines	Р	-	
		Safe distance from adjacent buildings	Р	which would/could form a collapsing/damaging threat	
		Accessibility all-year round	Р	Taking into consideration the various climates around the year the region and effect on terrain/access roads	
		Proximity to potential	Р	Potential evacuees considered	
		evacuees		within 4km range	

The Production of Spaces of Gathering The Revised Checklist

Checklist of Requirements (L.o.R.)

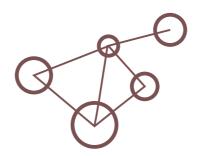
				Involved Stakeholder(s)
1. Relief				
1.1 Response				
1.1.1 Site/Location				
	Access for transportation of items	Р	Sufficient parking for heavy vehicle access, and suitable for helicopter landing	
	Procurement of items	Р	Suitable bulk storage area for pre-positioning of emergency supplies	
	Haaltheava itams	D	Con provious Longuro	

UNDER CONSTRUCTION

Natural environment	P	provide in environment area rein urban are	ould be able to encapsulating a rironment (e.g. in naintaining quality or ea including park nt if not present yet)
	Flora	rural area in urban a environm P Safe dista	nvironment (e.g. in maintaining quality or area including park ment if not present yet) unce from large trees, y vegetation which can
	Check area for vulnerability to primary & secondary hazards	P Fire, Floo Earthqua	ding, Landslides, kes, heavy storm and moke/gas
	Safe distance from facilities manufacturing hazardous materials	Р -	
	Safe distance from overhead powerlines	Р -	
	Safe distance from adjacent buildings		vould/could form a g/damaging threat
	Accessibility all-year round	various cl the regio terrain/ac	to consideration the limates around the year n and effect on ccess roads
	Proximity to potential evacuees	P Potential within 4k	evacuees considered m range

Three-part Research

The Establishment of a Network



Three-part Research

The Establishment of a Network

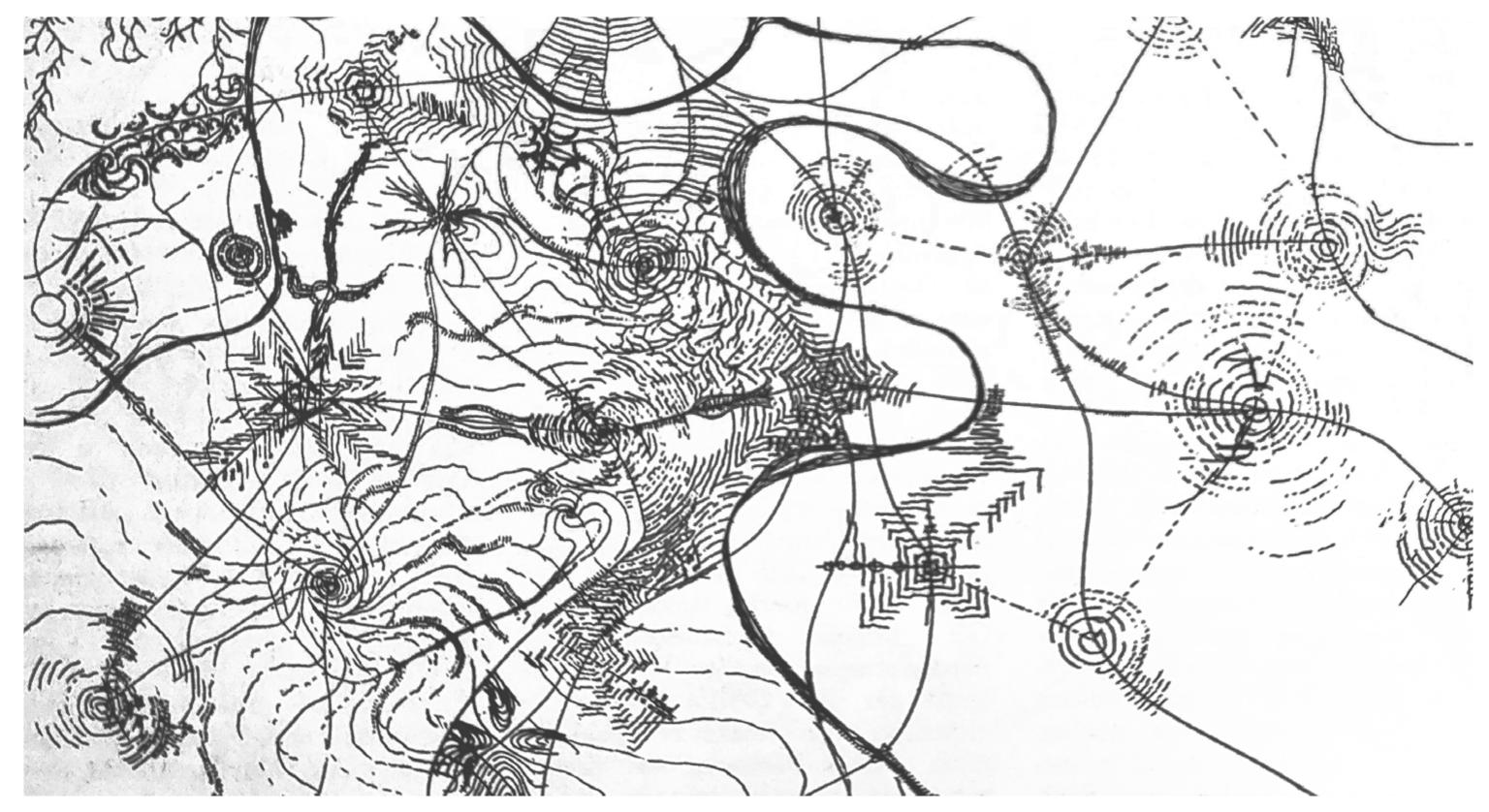
How?

The Establishment of a Network Concept



The Establishment of a Network Concept

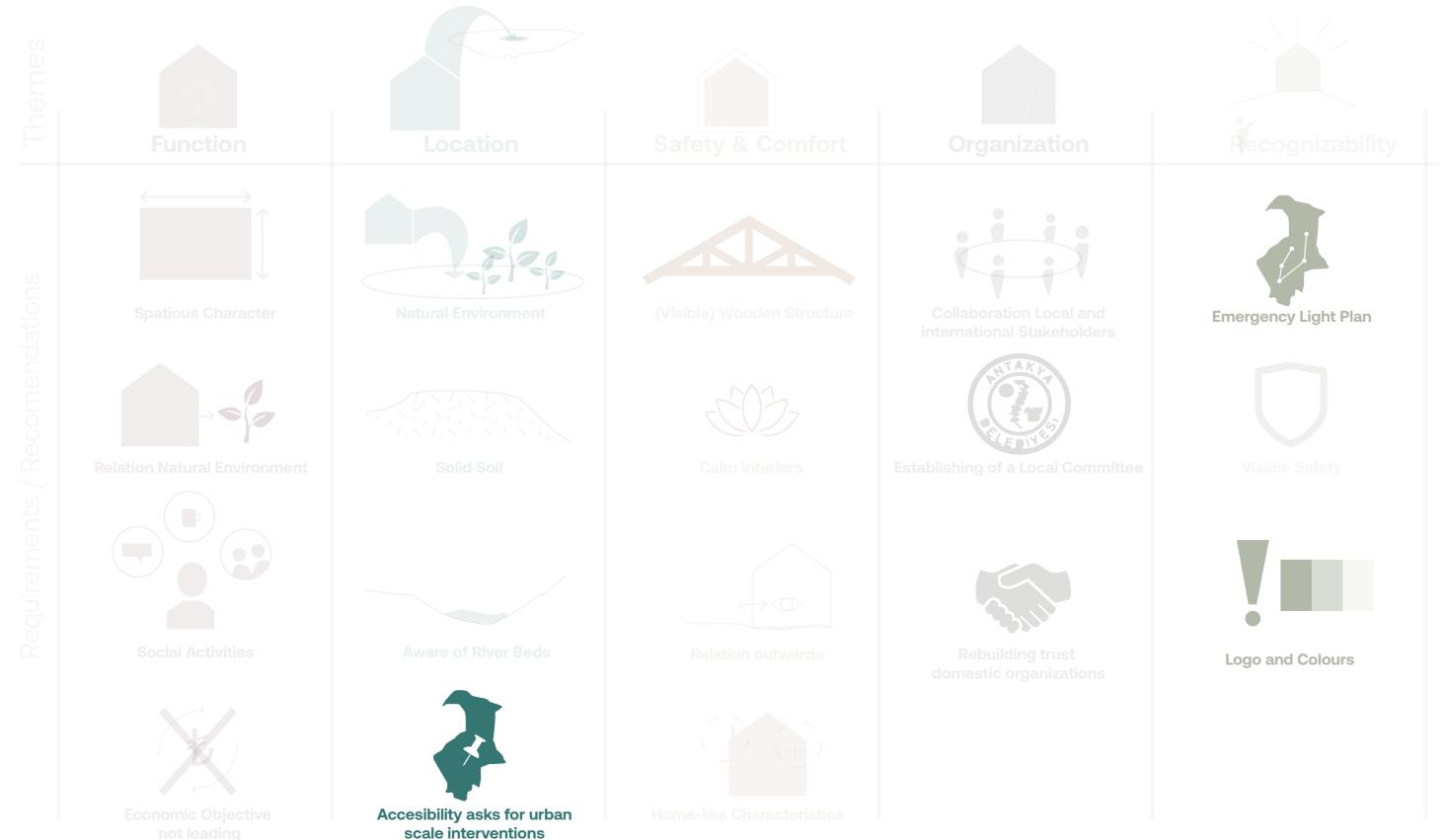
The importance of the large scale



The Establishment of a Network

The references

The Participatory workshops



The Establishment of a Network

The references

The Participatory workshops



The Compass

No matter which side
Of my city from which I am
I can find my direction
Like a compass

- Esra, 7 years old

The Establishment of a Network The Reference

The Japanese Koban



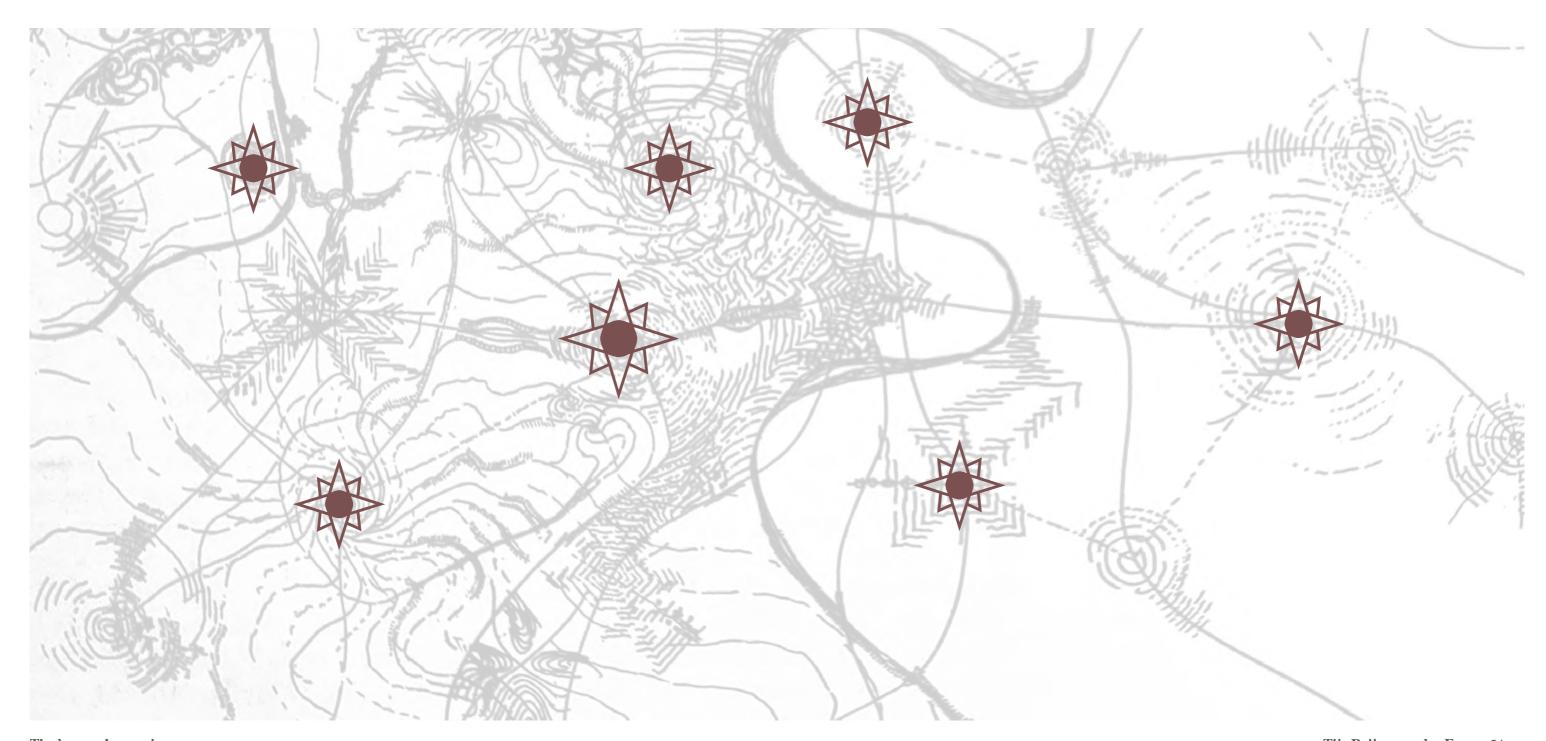




The Establishment of a Network

Proposal

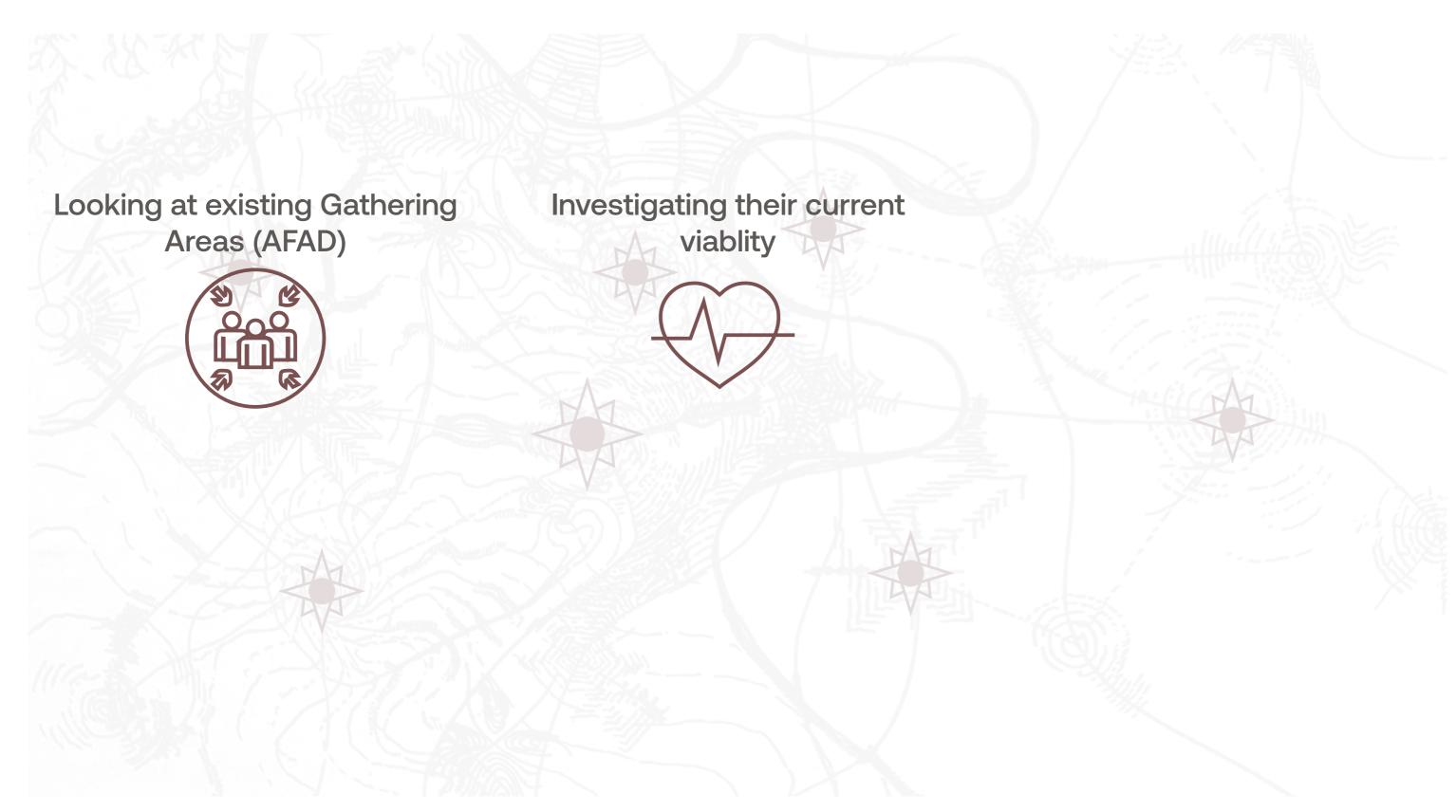
PUSULA AĞI The COMPASS Network



Approach



Approach



The layman's mosaic

Approach

Looking at existing Gathering Areas (AFAD)

Investigating their current viablity



Network Proposal





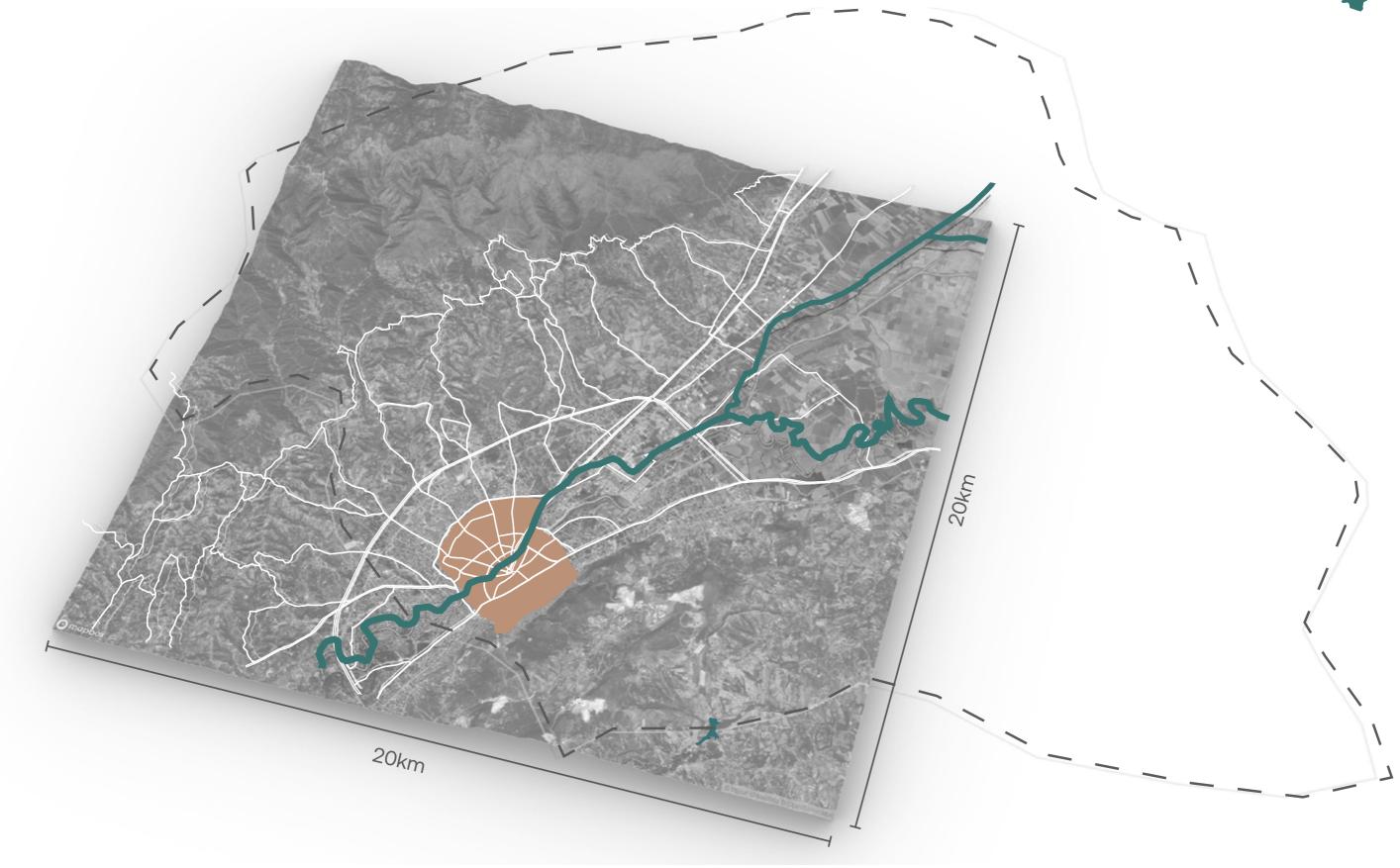
Three-part Research

The Establishment of a Network

What?

Site Analysis

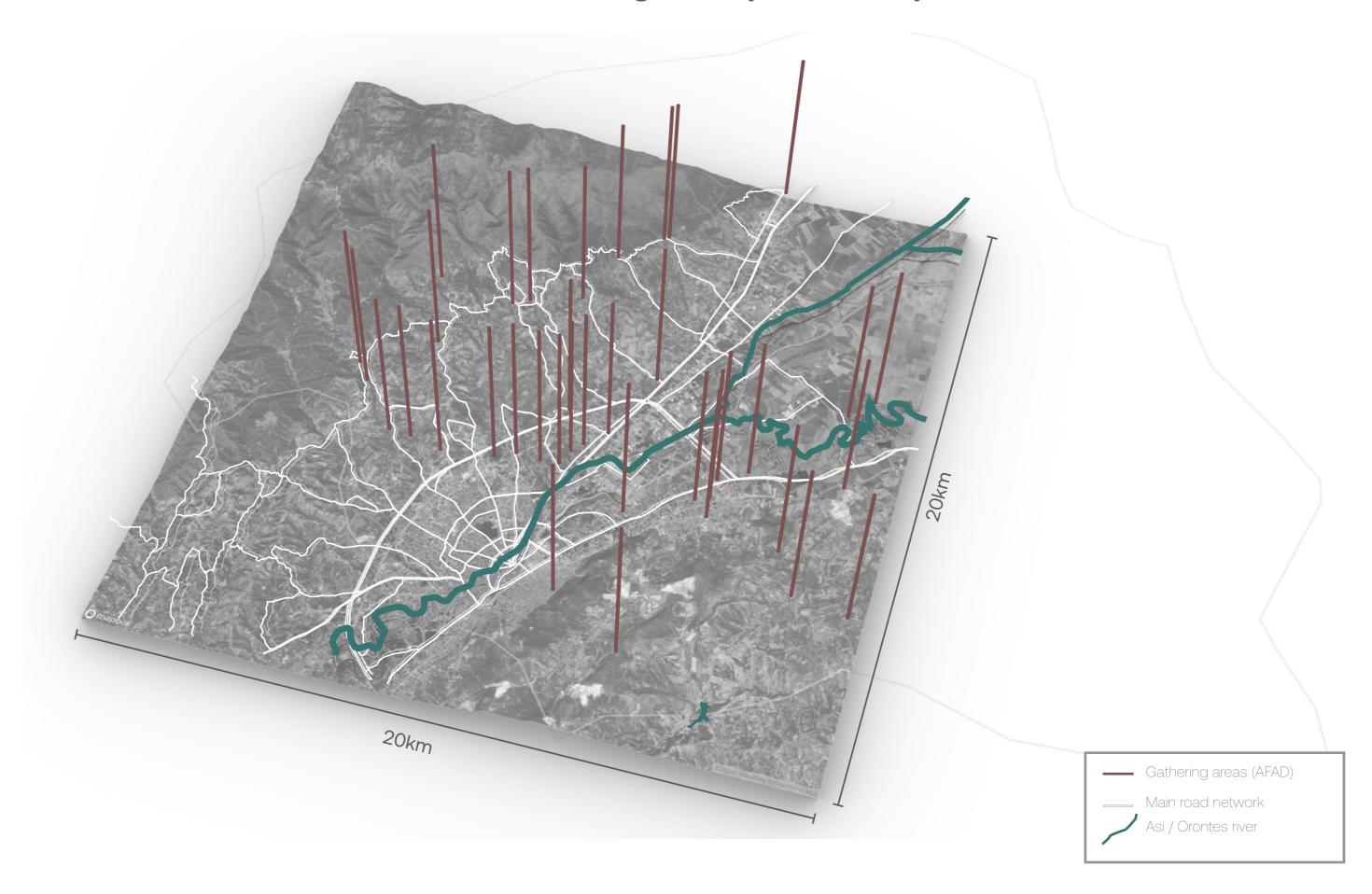




The Establishment of a Network

Analysis

Current Gathering areas (AFAD, 2024)



The Establishment of a Network

Analysis

Current Gathering areas (AFAD, 2024)

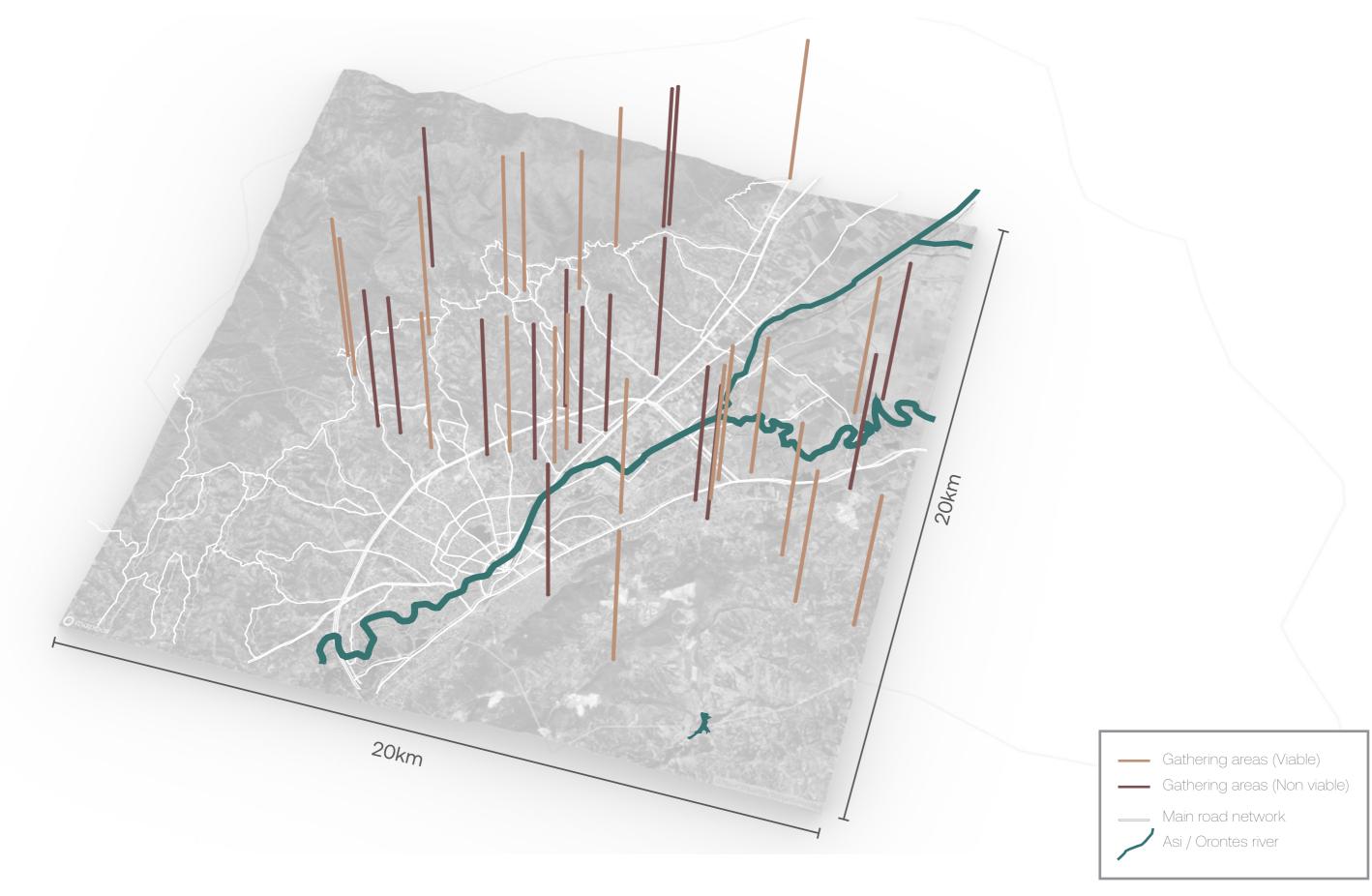


Current Gathering areas (AFAD, 2024)



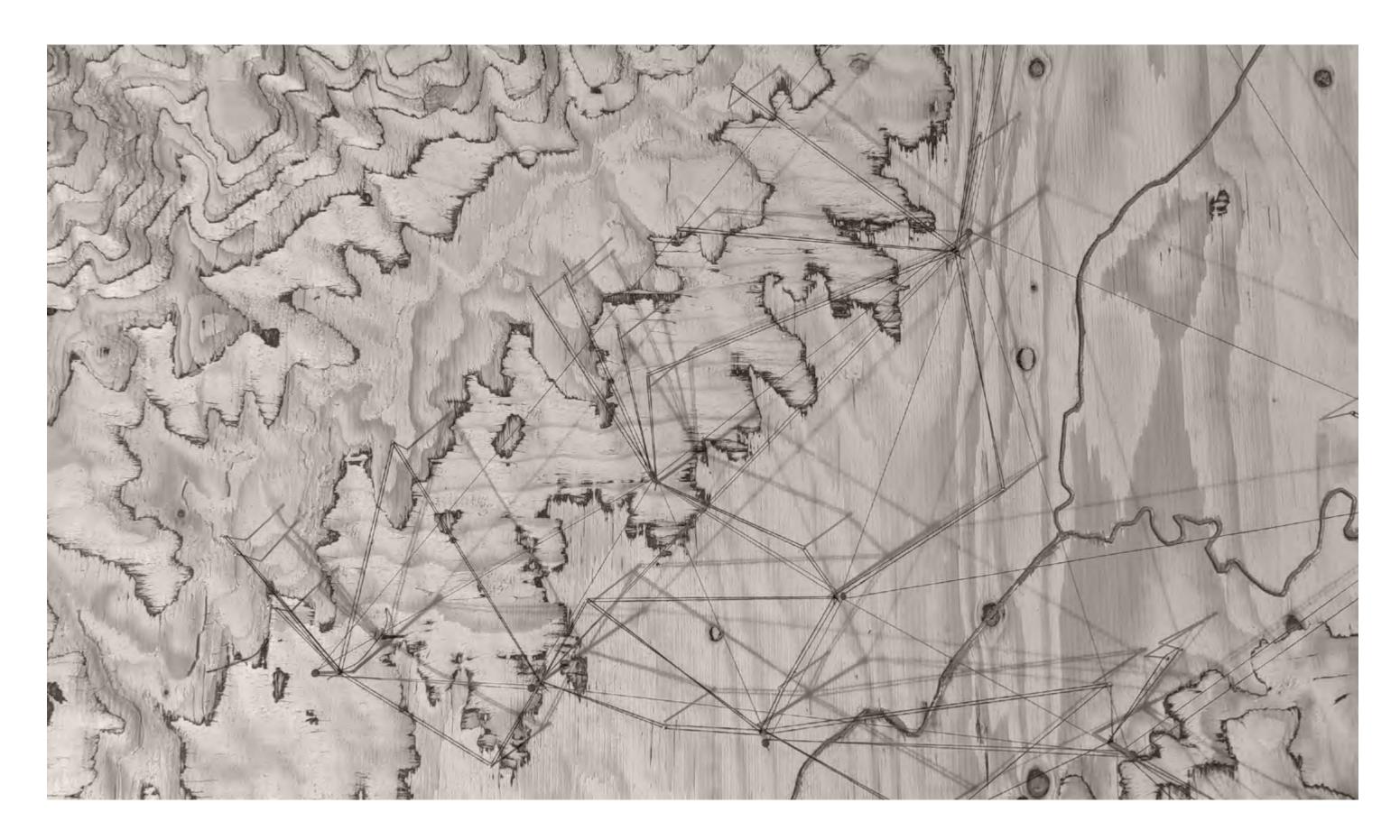
Tijs Reijer van der Eng 62 The layman's mosaic

Viability



Tijs Reijer van der Eng 63 The layman's mosaic

New proposed sites



Tijs Reijer van der Eng 64 The layman's mosaic

The Network over time



Tijs Reijer van der Eng 65 The layman's mosaic

Three-part Research

Architecture as a Typology-Defining Tool



Three-part Research

Architecture as a Typology-Defining Tool

How?

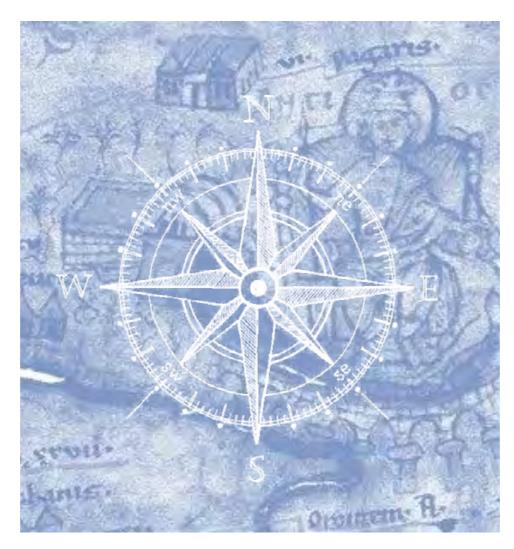
From the previous

Checklist of Requirements (L.o.R.)

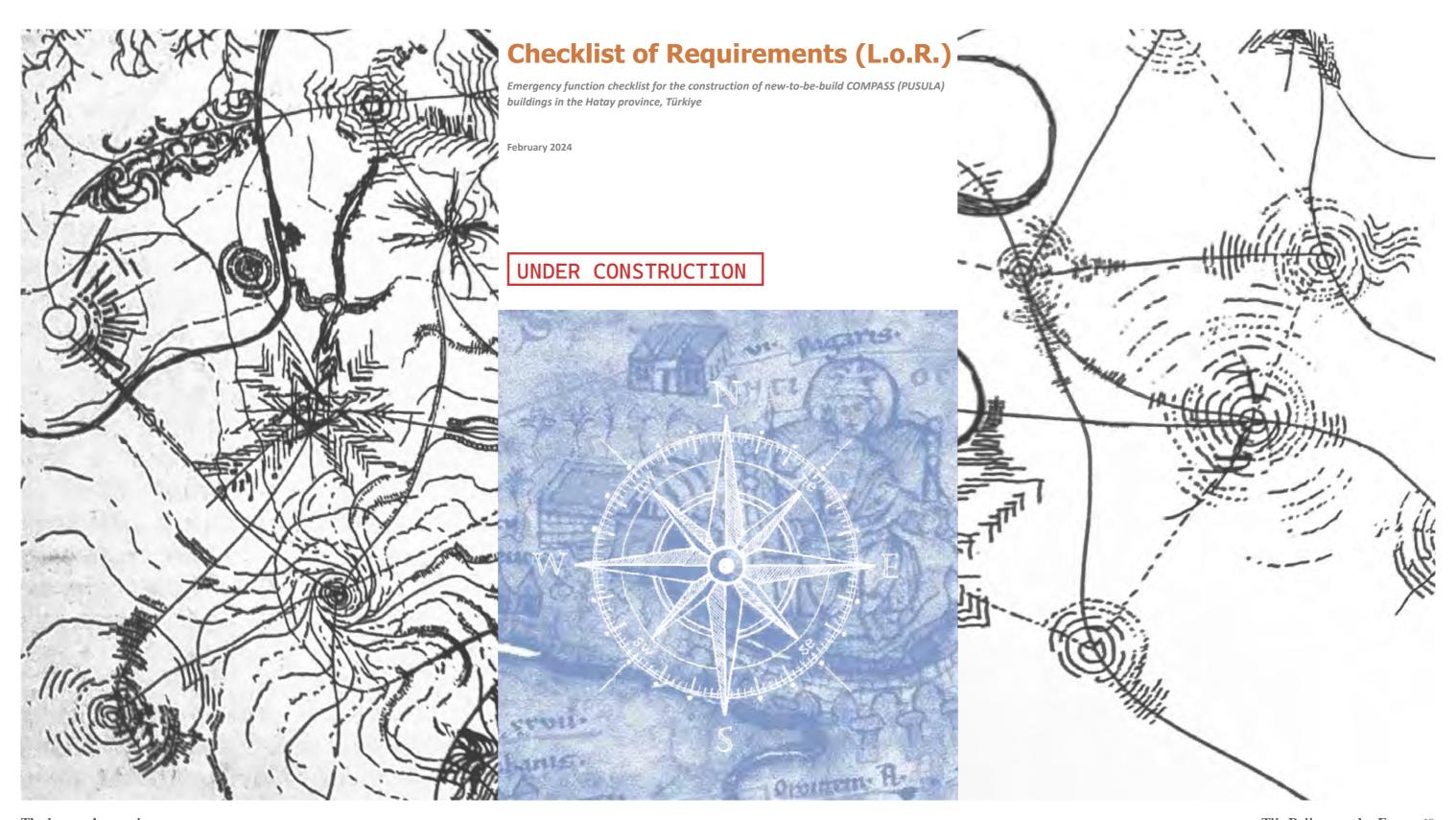
Emergency function checklist for the construction of new-to-be-build COMPASS (PUSULA) buildings in the Hatay province, Türkiye

February 2024

UNDER CONSTRUCTION



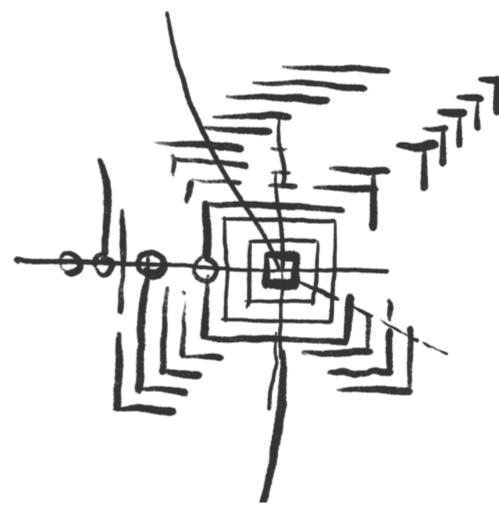
From the previous



Different manifestations







Architecture as a Typology-Defining Tool Concept

Similar to:









Depending on:



Depending on:



Depending on:

Site



Local needs

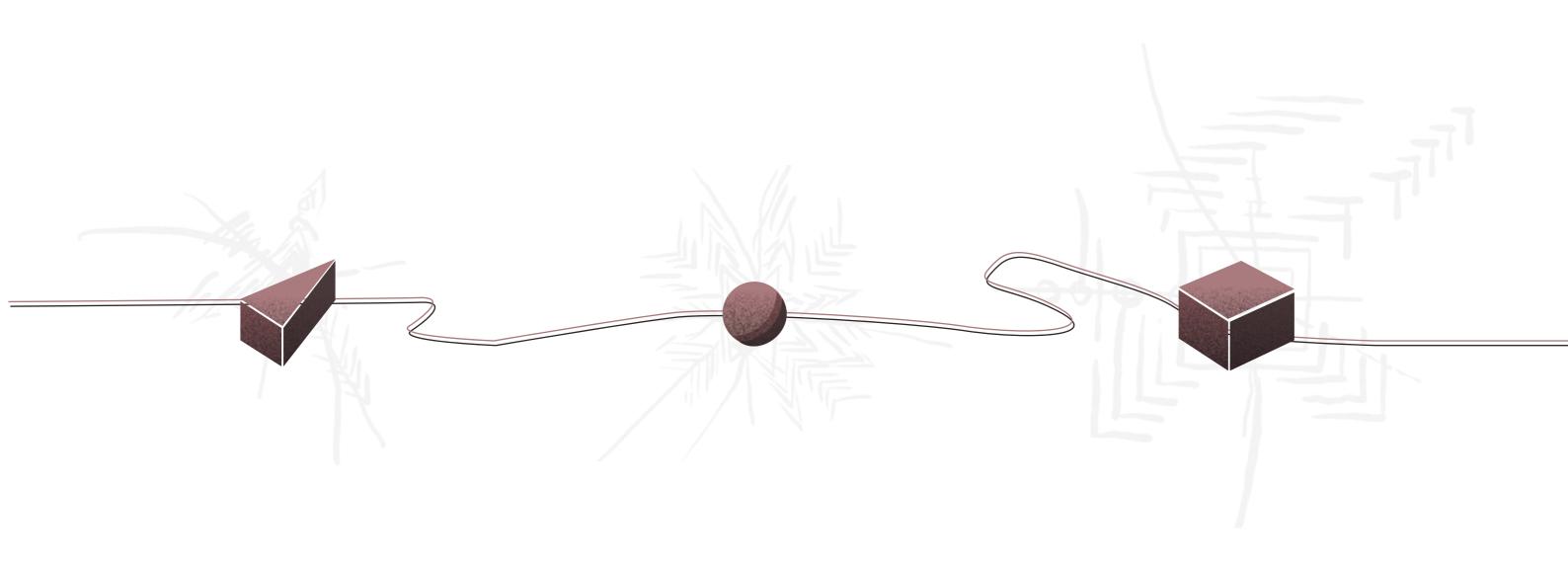


Moment in time

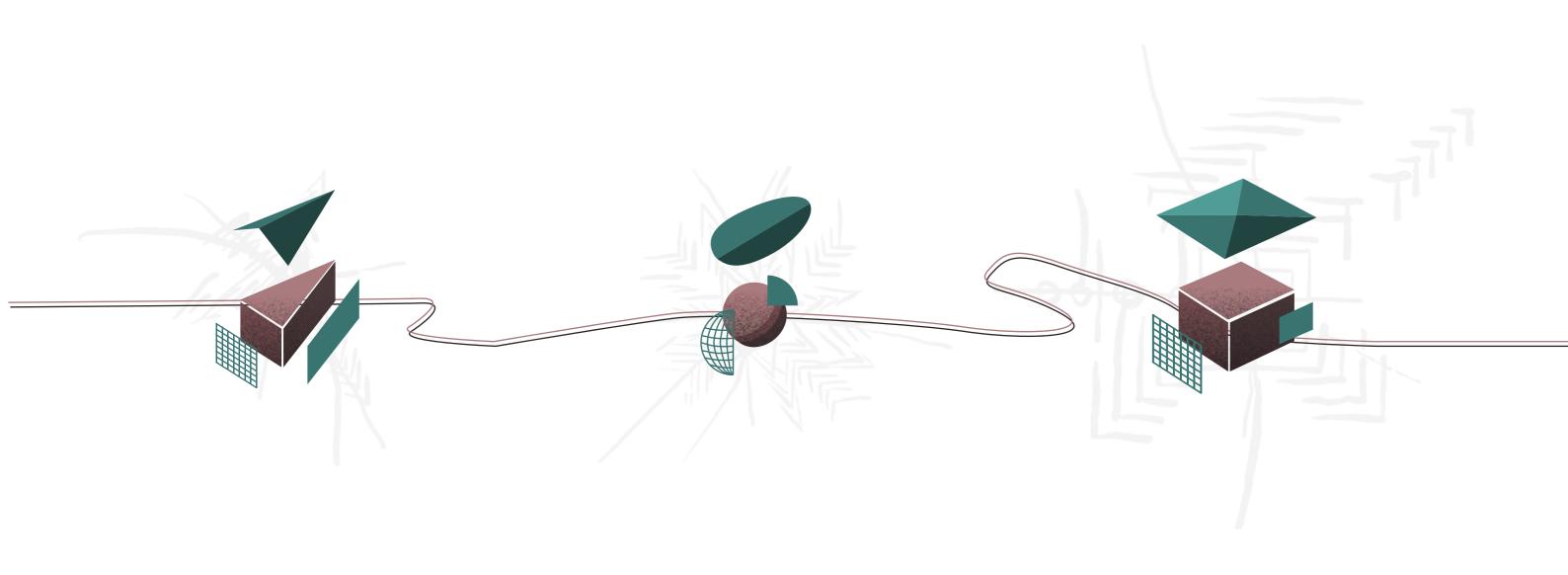


Architecture as a Typology-Defining Tool Concept

Distinguishing the typology...



...By using architecture



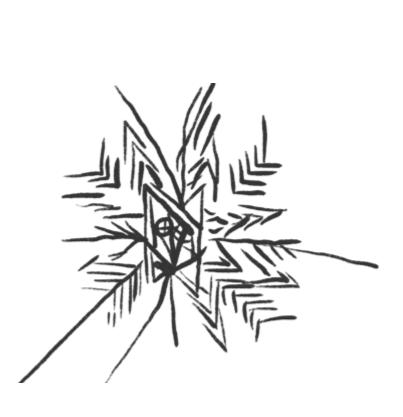
Three-part Research

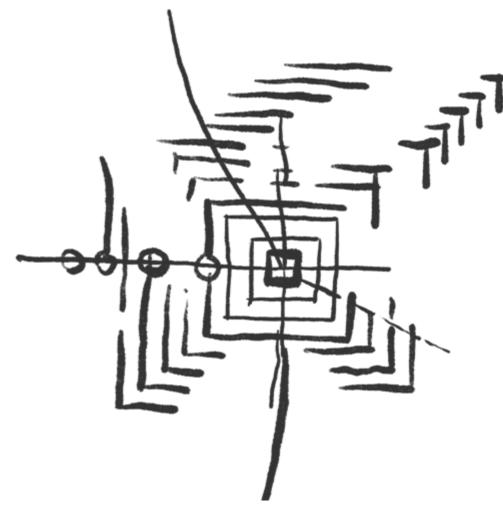
Architecture as a Typology-Defining Tool

What?

Proposed build-up Compasses



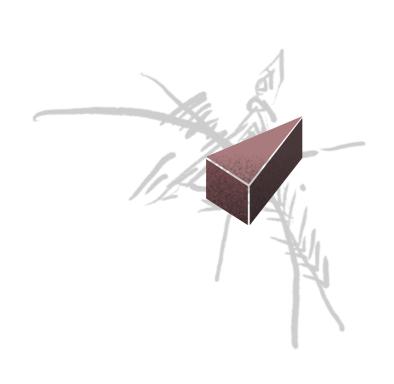


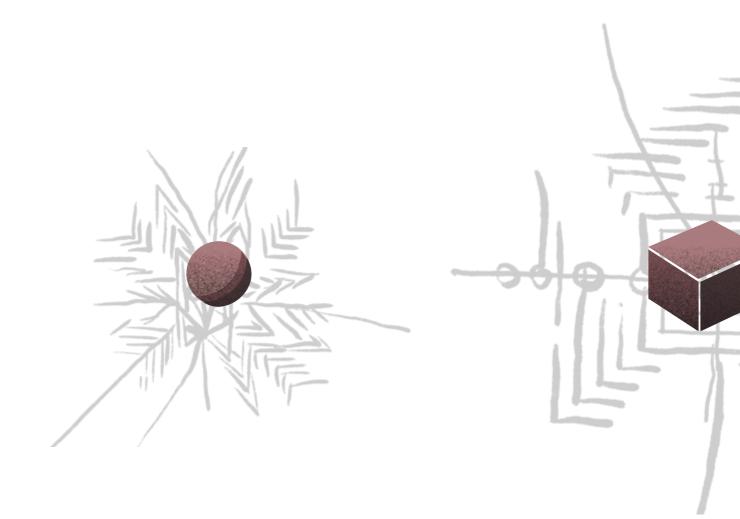


The layman's mosaic Tijs Reijer van der Eng 78

The Core

Low-threshold Satellite Station

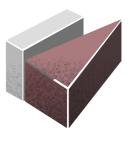


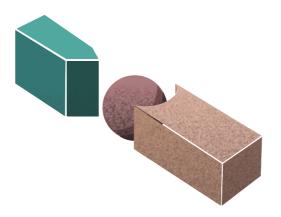


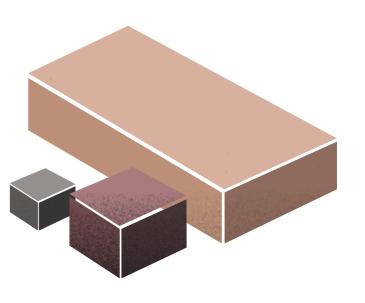
Tijs Reijer van der Eng 79 The layman's mosaic

The Additions

Varying Social Functions



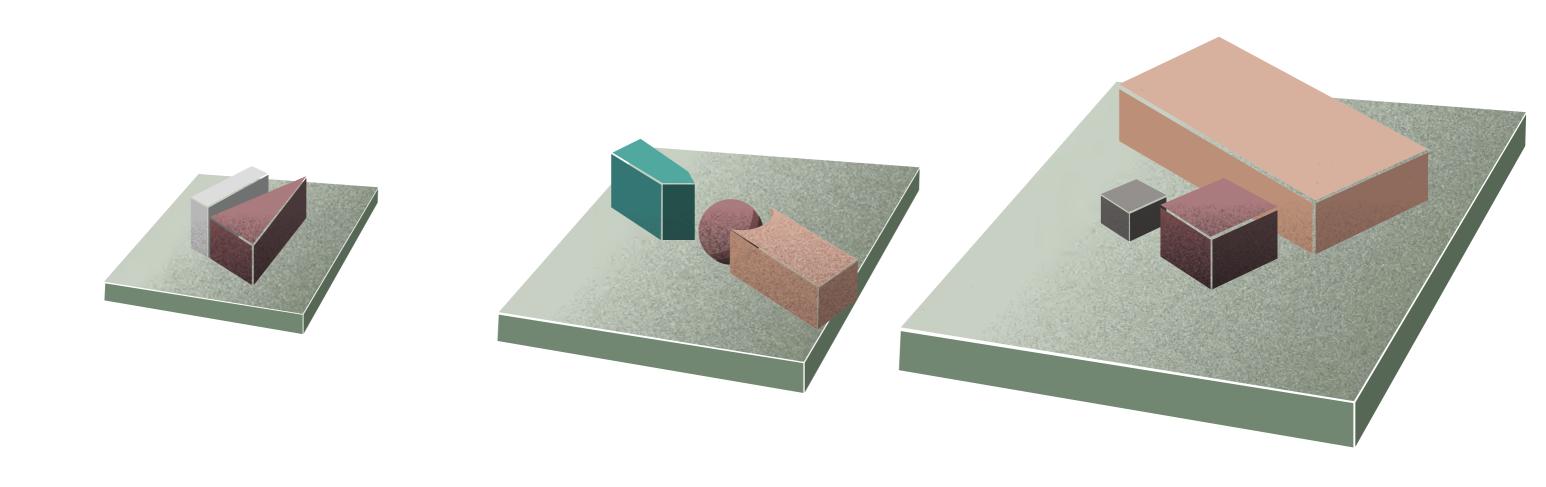




The layman's mosaic **Tijs Reijer van der Eng** 80

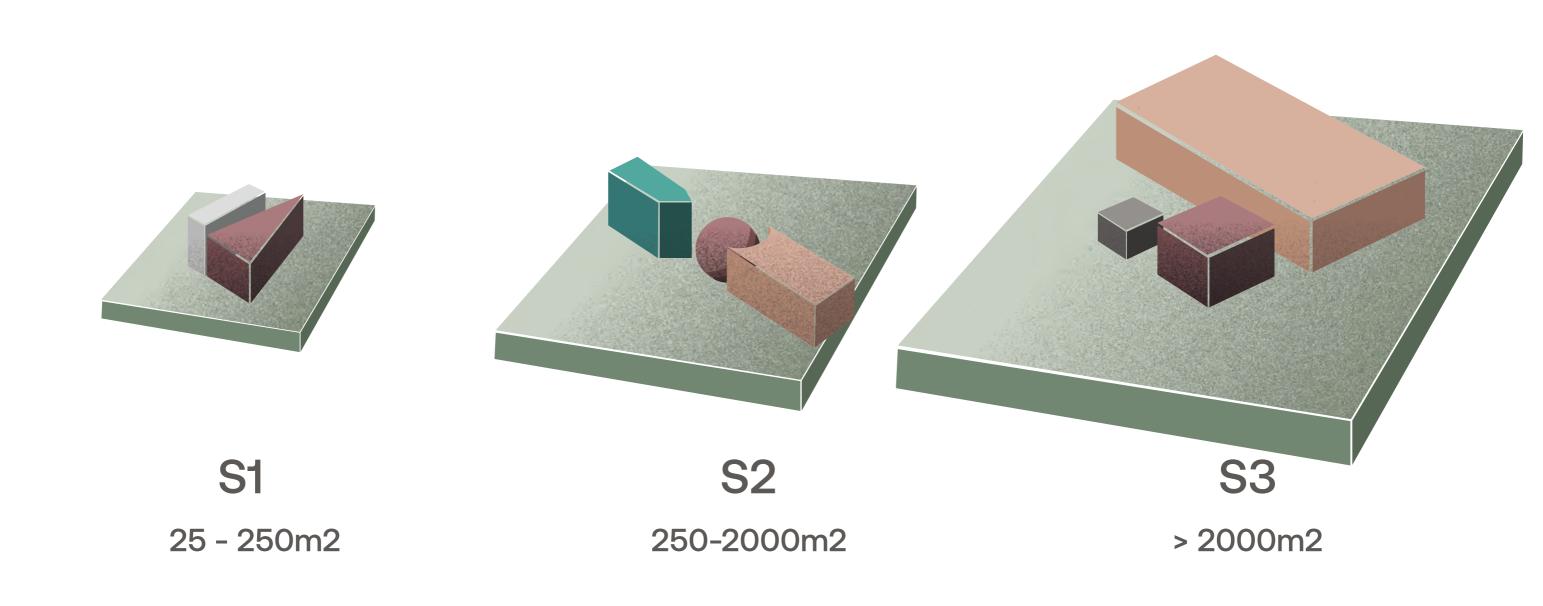
The Green Space

Tying the complex together



The layman's mosaic Tijs Reijer van der Eng 81

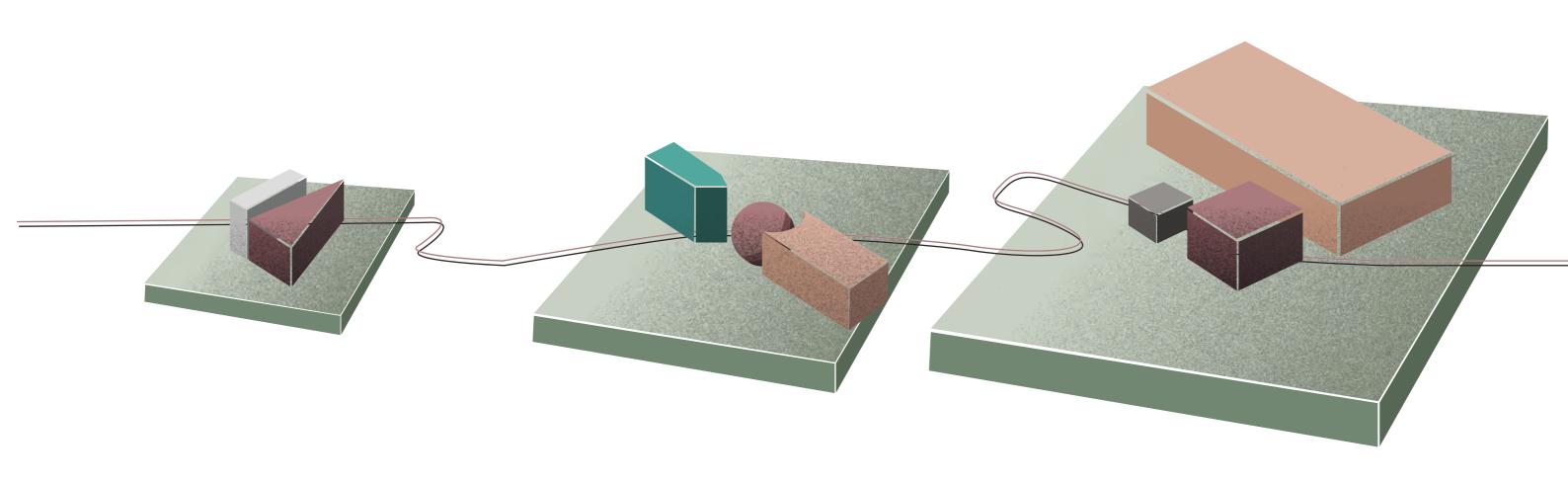
3 Scales



Tijs Reijer van der Eng 82 The layman's mosaic

Architecture as a Typology-Defining Tool The build-up

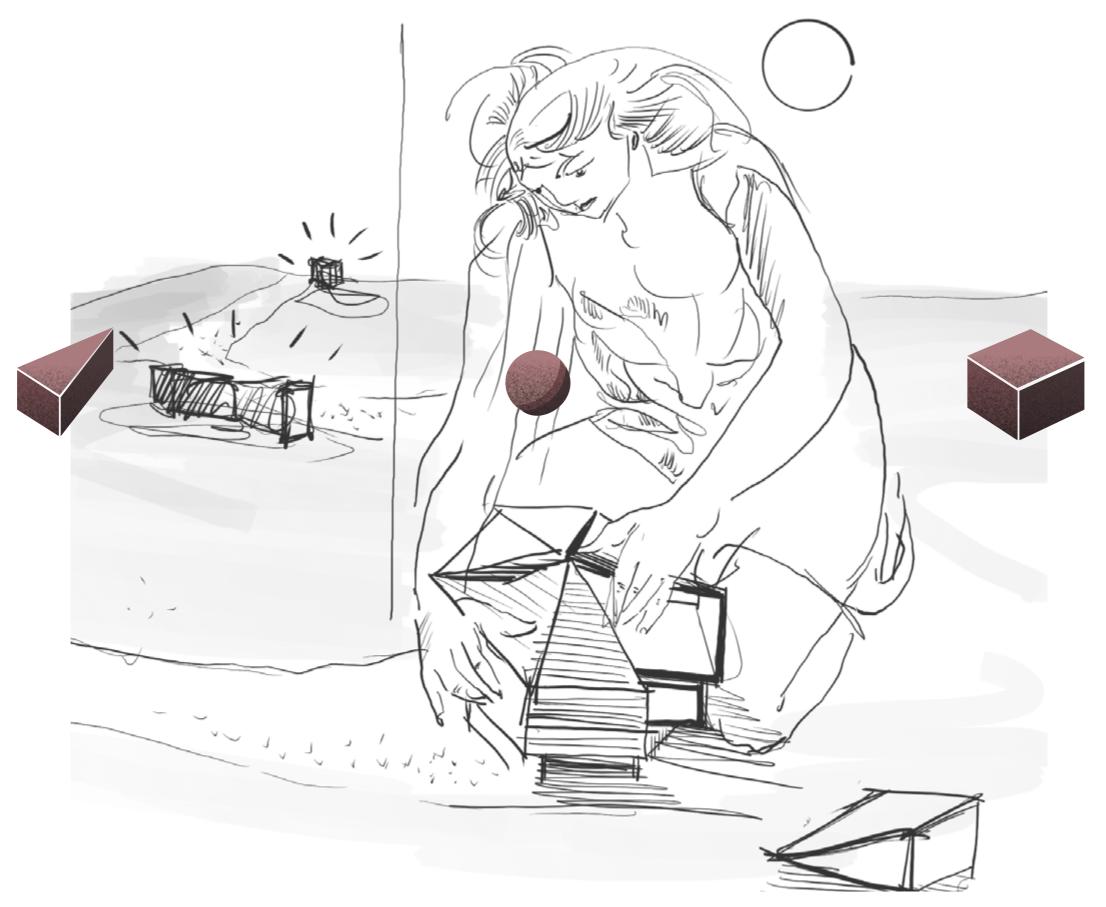
Architecture as red tread



The layman's mosaic Tijs Reijer van der Eng 83

Architecture as a Typology-Defining ToolThe Tool Kit

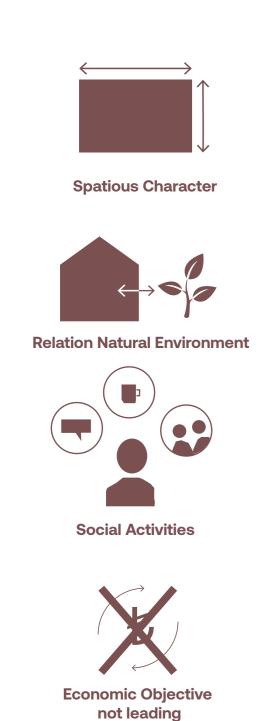
Proposing: A Modular Tool Kit for the Cores

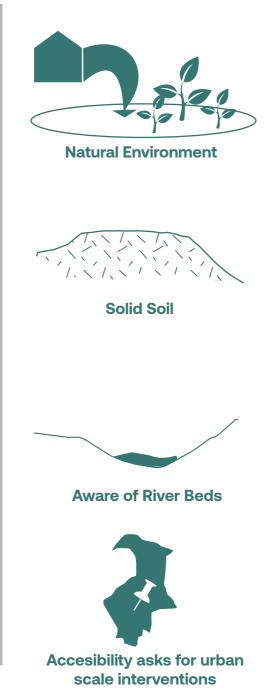


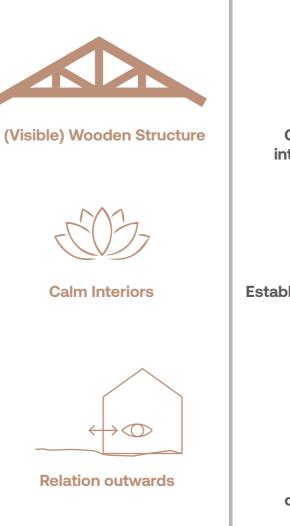
Tijs Reijer van der Eng 84 The layman's mosaic

Archictectural Expression

Besides Outcomes Workshop...









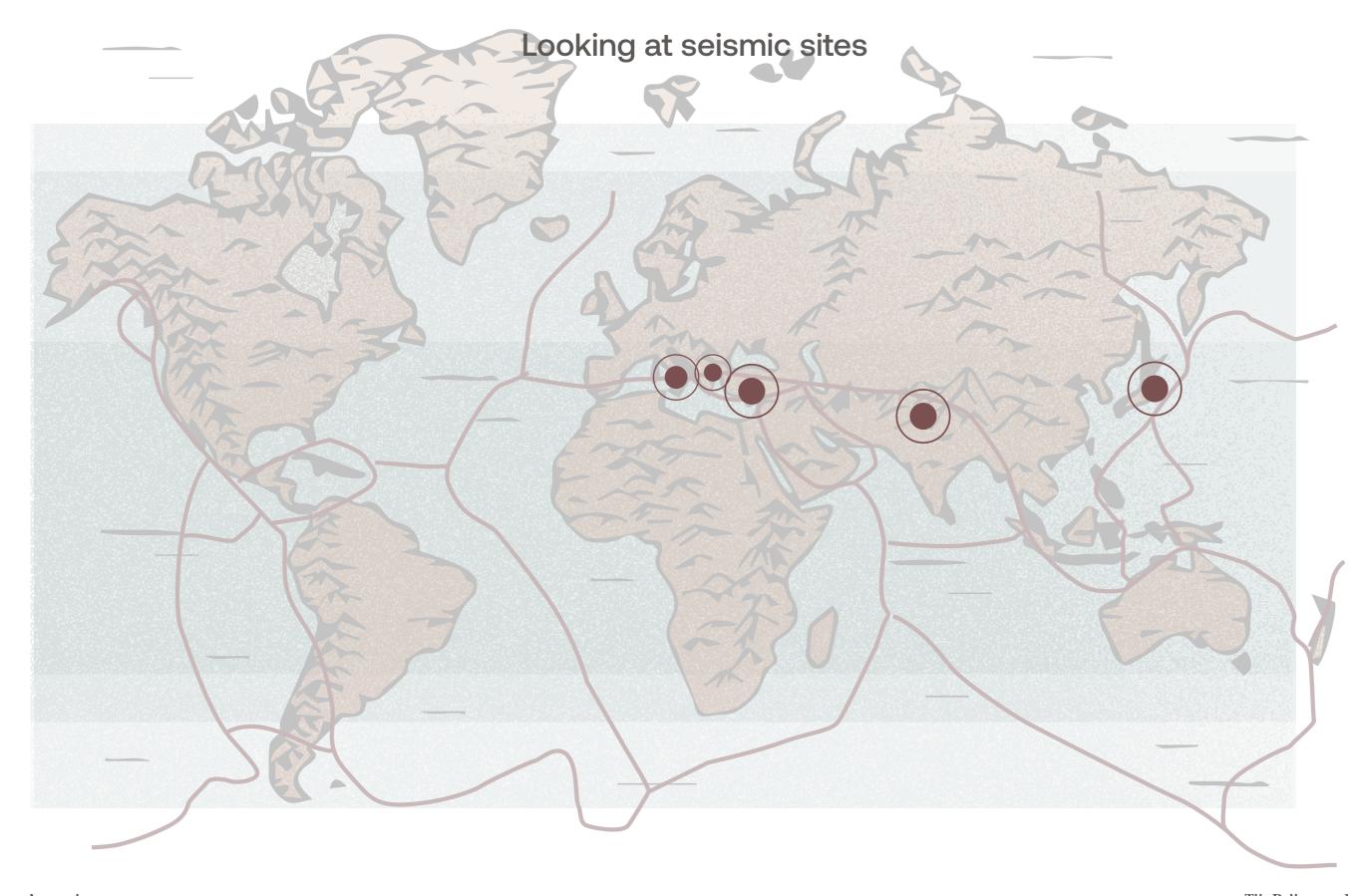


The layman's mosaic Tijs Reijer van der Eng 85

Home-like Characteristics

Architecture as a Typology-Defining Tool Shaping the Toolkit: Architectural Expression

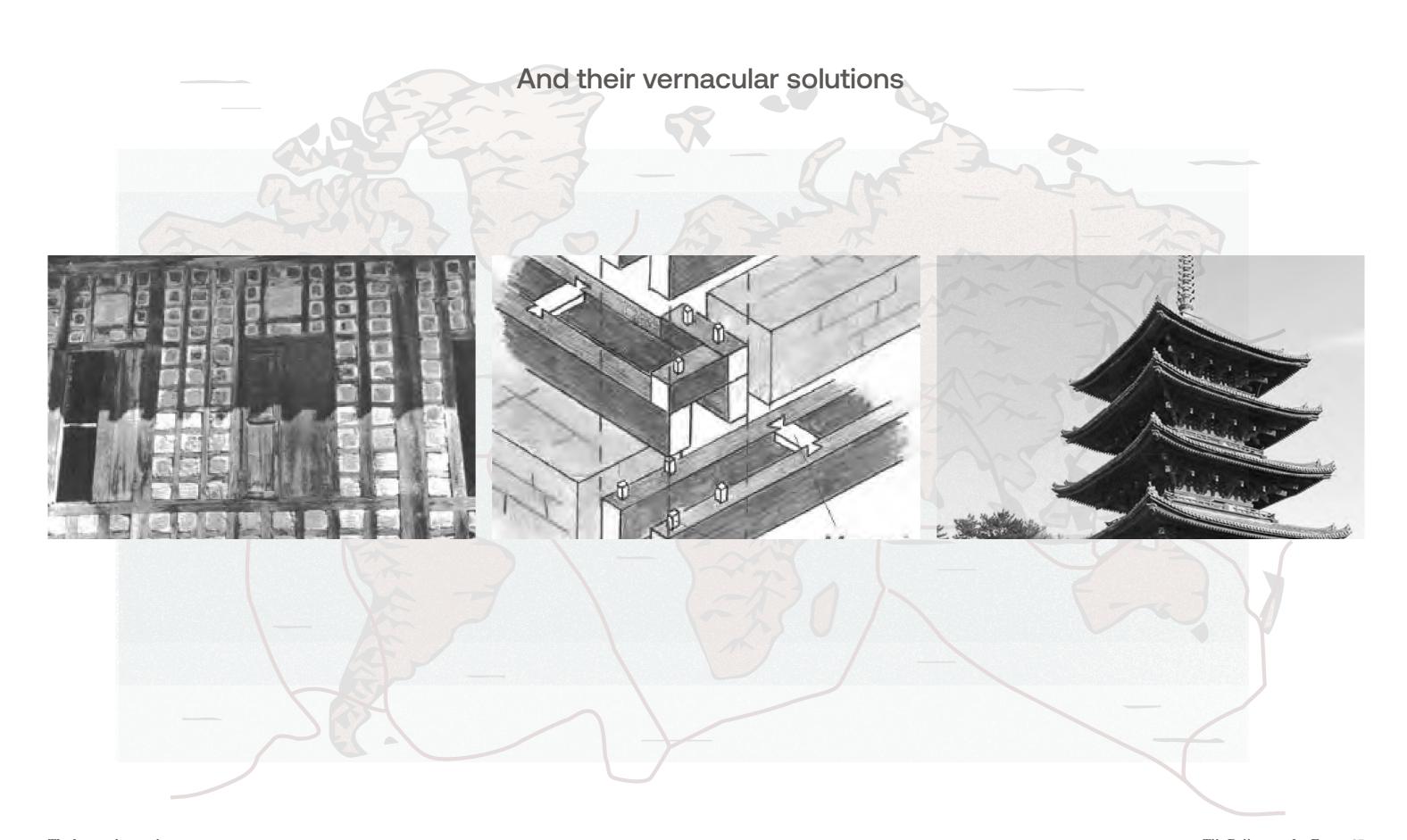
Archictectural Expression



The layman's mosaic Tijs Reijer van der Eng 86

Architecture as a Typology-Defining Tool Shaping the Toolkit: Architectural Expression

Archictectural Expression



The layman's mosaic Tijs Reijer van der Eng 87

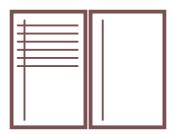
The production of Spaces of Gathering The establishment of a network Architecture as a typology-defining tool

2. The Checklist of Requirements & The Tool kit



The Final Checklist & The Tool Kit

The Checklist





Constantly revising it along the way

Checklist of Requirements (L.o.R.)

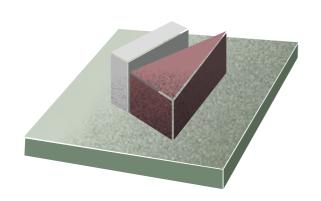
Emergency function checklist for the construction of new-to-be-build COMPASS (PUSULA) buildings in the Hatay province, Türkiye

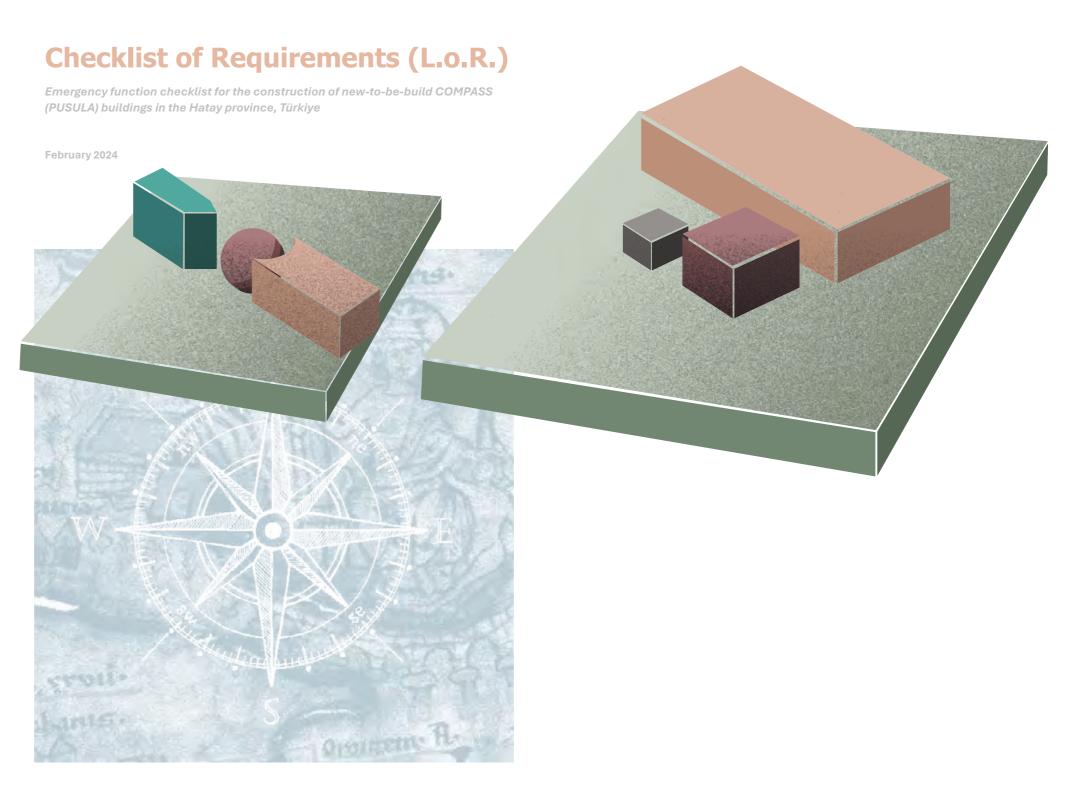
February 2024





Dividing it by scale







Complementing with General Design Brief

Checklist of Requirements (L.o.R.)

Emergency function checklist for the construction of new-to-be-build COMPASS (PUSULA) buildings in the Hatay province, Türkiye

February 2024



PART 1 GENERAL DESIGN BRIEF

FIRMITAS (Strength and structure)

- F1. The Core is constructed from the Compass toolkit elements (see example/ appendix)
- F2. The Core makes use of a suspension roof structure and a central column which carries the roof structure ("The rose")
- F3. Extensions or additions to the complex can be but do not have to be constructed of the core toolkit parts*
- F4. The structure is demountable
- F5. The structure's main material is wood*
- F6. The structure has a single sub-ground level, which can be constructed and extended along the toolkit parts as well
- ${\sf F7.}\ {\sf The\ amount\ of\ extra\ foundation\ depends\ on\ the\ ground\ composition\ of\ the\ site}$
- F8. The sub-ground level consists of pre-fabricated reinforced concrete parts
- F9. Secondary floor structures are carried by a secondary structure (this goes for all scales) and are to stabilized against lateral forces
- F10. The structure consists of as minimal parts as possible, which are easily maintained and replaced in case of damage
- ${\sf F11.}\, {\sf The}\, {\sf structure}\, {\sf is}\, {\sf inherently}\, {\sf able}\, {\sf to}\, {\sf take}\, {\sf upon}\, {\sf accelerating}\, {\sf forces}\,$
- F12. The structure stands alone, not adjacent to other structures
- F13. The maximum height of the structure is 12 meters $\,$
- F14. The maximum amount of levels is 3 (exc. sub-ground level)
- ${\sf F15.\,All\,complex\,buildings\,are\,symmetrical\,in\,their\,structure}$
- * unless otherwise consulted with and approved by the engineering team of the board

UTILITAS (Usability)

- $\hbox{U1. The building typology (as a "space of gathering") is recognizable by the visible structure of the core}\\$
- $\label{eq:continuous} \textbf{U2.} \ \textbf{The building includes, encloses or is embedded in a "green space" (e.g. park, garden, green roof etc.)}$
- U3. The function holds relation to the "green space" and in case of a multiplicity of functions, they should hold relation to each other as well in ways of confluence
- U4. The core always includes an information point/ satellite low-threshold police station

Complementing with General Design Brief

Checklist of Requirements (L.o.R.)

Emergency function checklist for the construction of new-to-be-build COMPASS (PUSULA) buildings in the Hatay province, Türkiye

February 2024

PART 1 **GENERAL DESIGN BRIEF**

FIRMITAS (Strength and structure)

- F4. The structure is demountable
- F1. The Core is constructed from the Compass toolkit elements (see example/ appendix)

F2. The Core makes use of a suspension roof structure and a central column which carries the roof structure ("The rose")

- F3. Extensions or additions to the complex can be but do not have to be constructed of the core toolkit parts*

- F4. The structure is demountable
- F5. The structure's main material is wood*



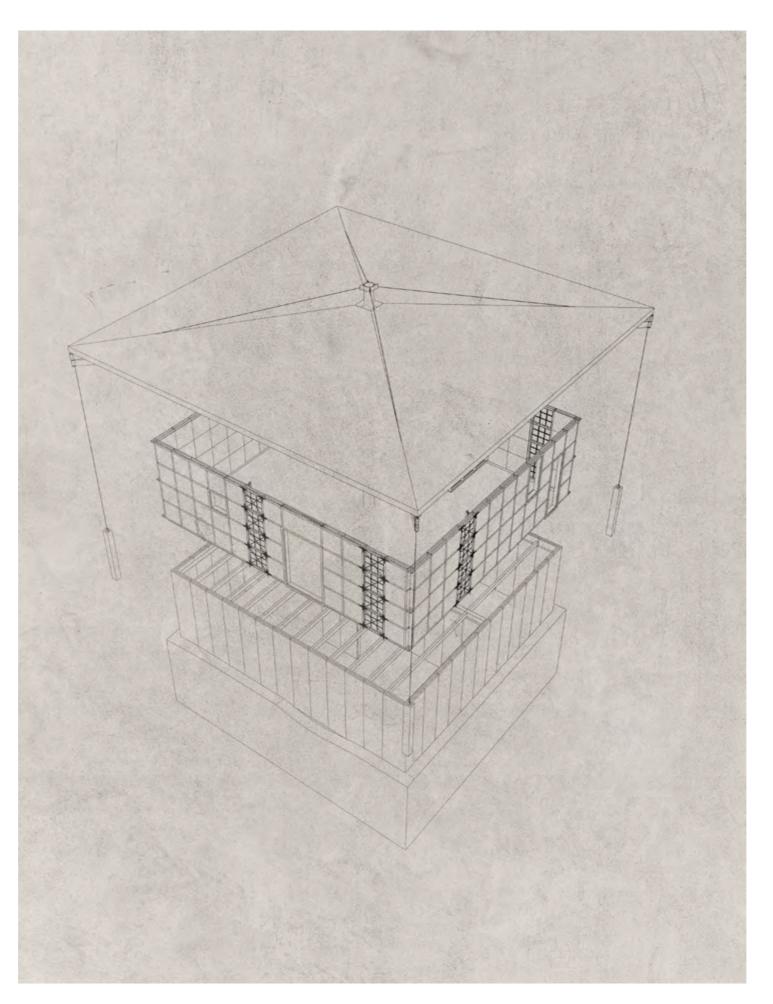
The layman's mosaic Tijs Reijer van der Eng 93

The Final Checklist & The Tool Kit

The (Core) Tool Kit



The Tool Kit Introduction



A set of Tools

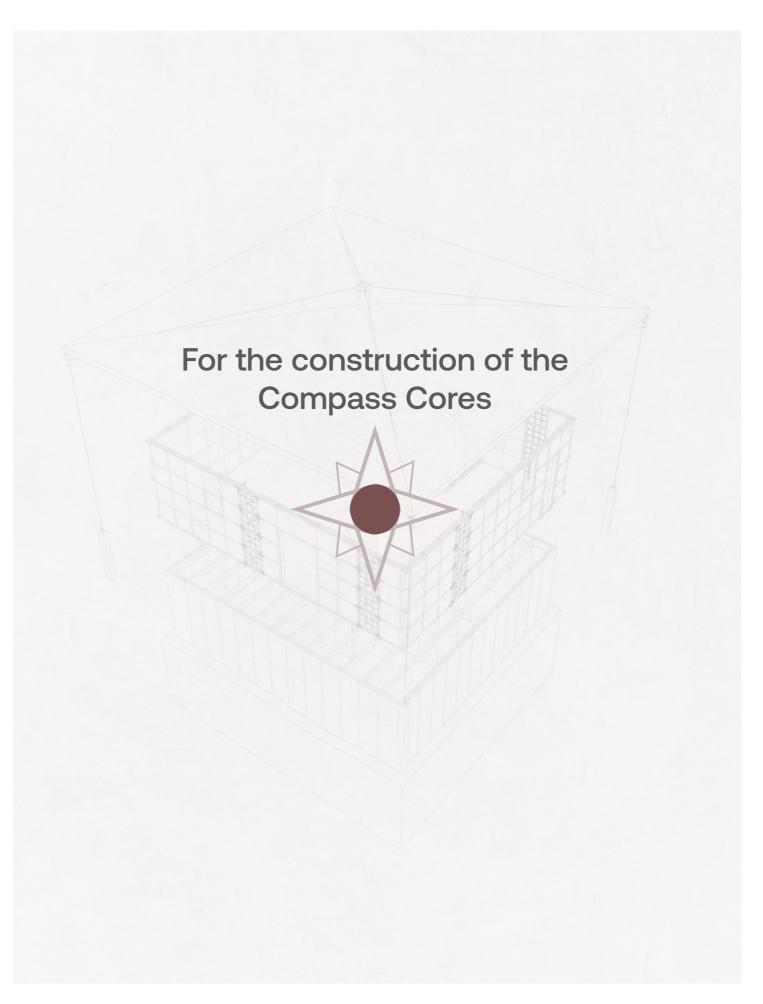






A set of Tools

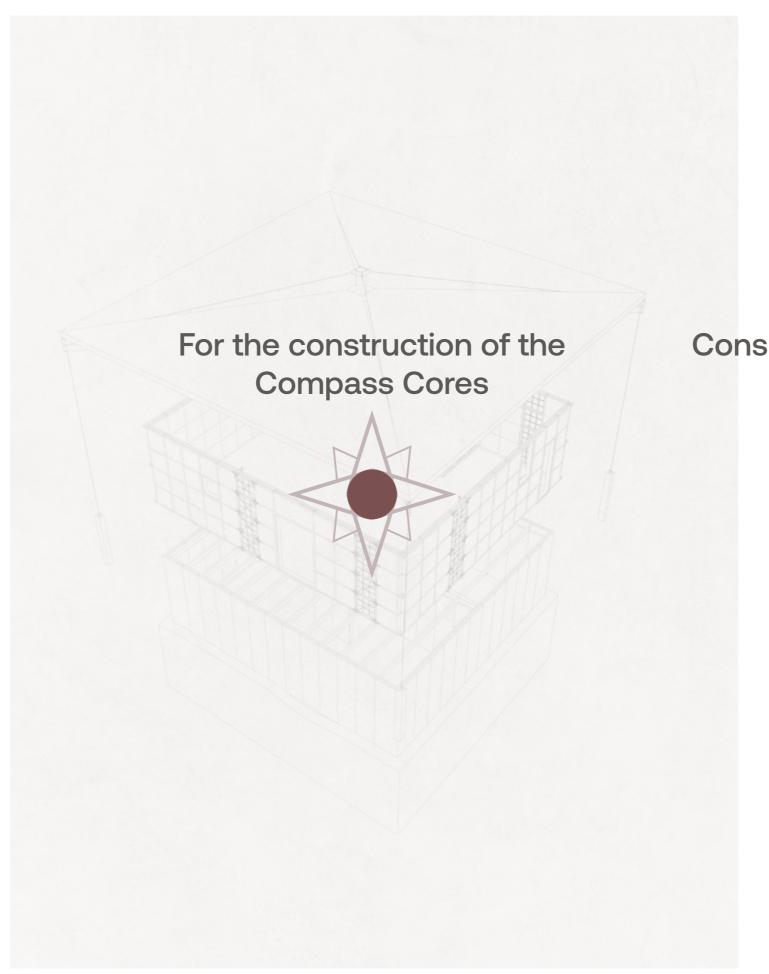






A set of Tools

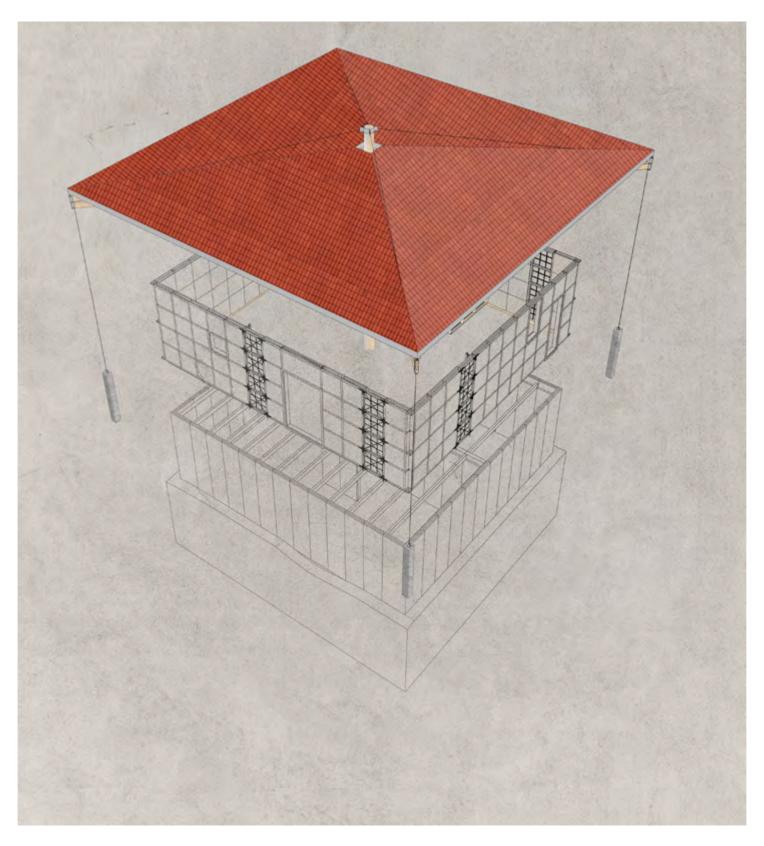




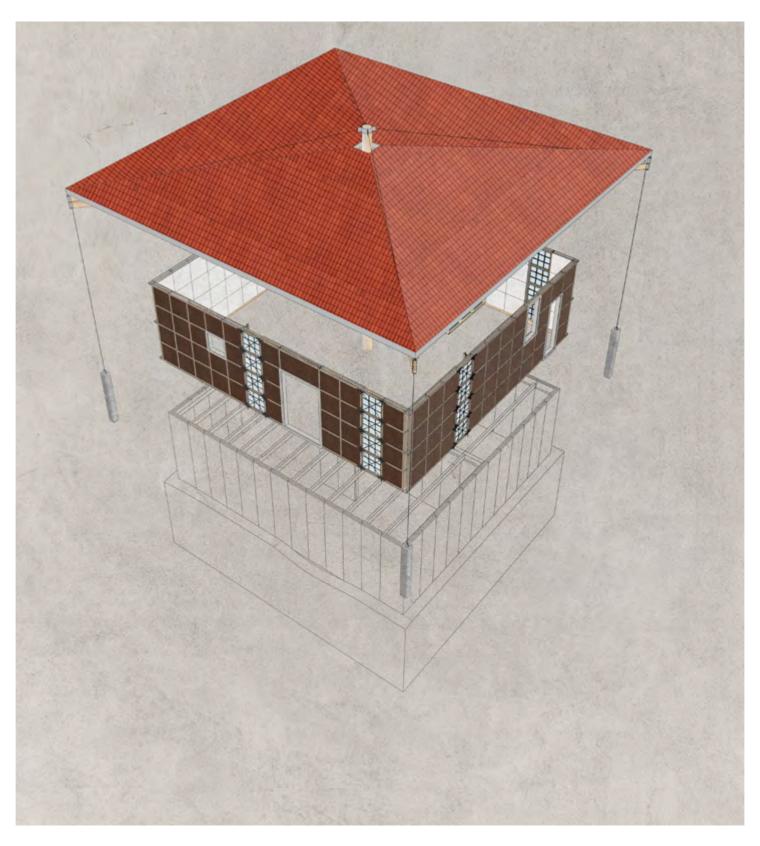
Consisting of three main segments



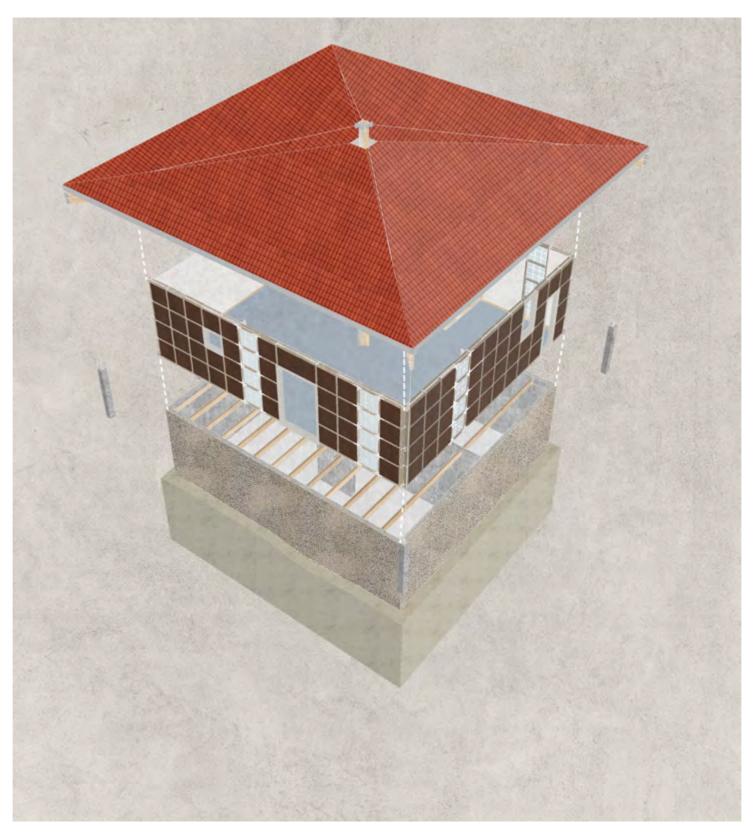
The Roof



The Skin



The Foundation

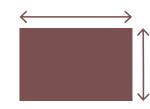


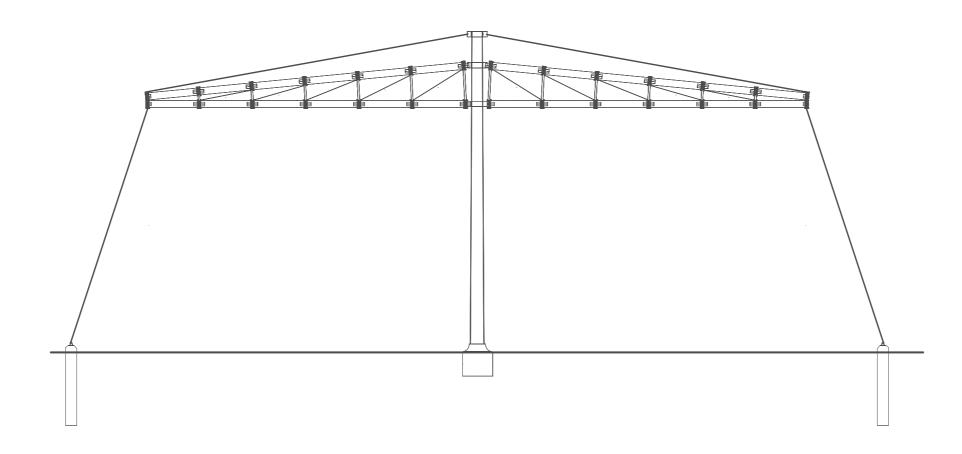
The Final Checklist & The Tool Kit

The (Core) Tool Kit

The Roof

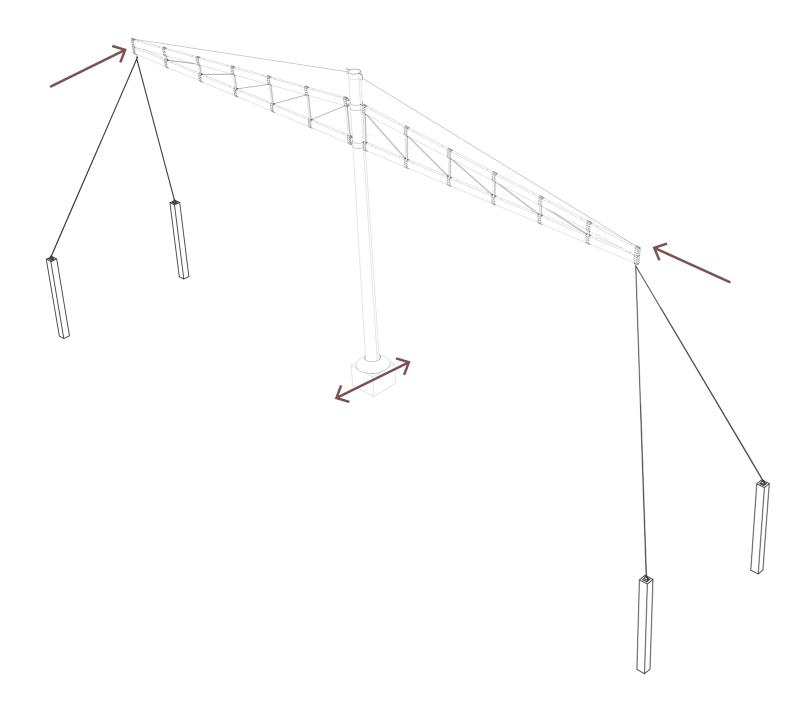
Suspended Roof Structure





Tijs Reijer van der Eng 103 The layman's mosaic

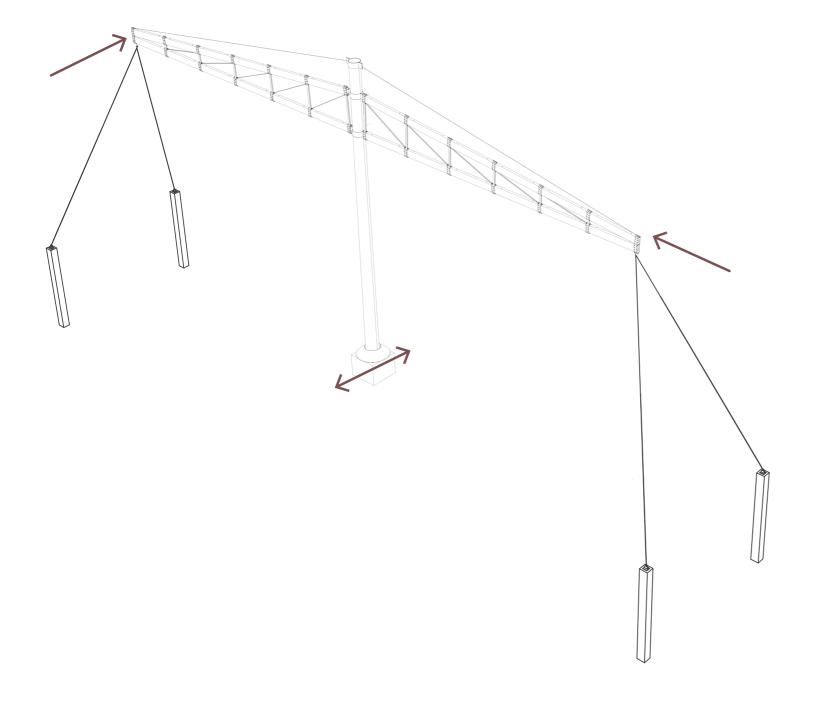
Suspension System



Tijs Reijer van der Eng 104 The layman's mosaic

The Tool Kit: Roof The Truss System

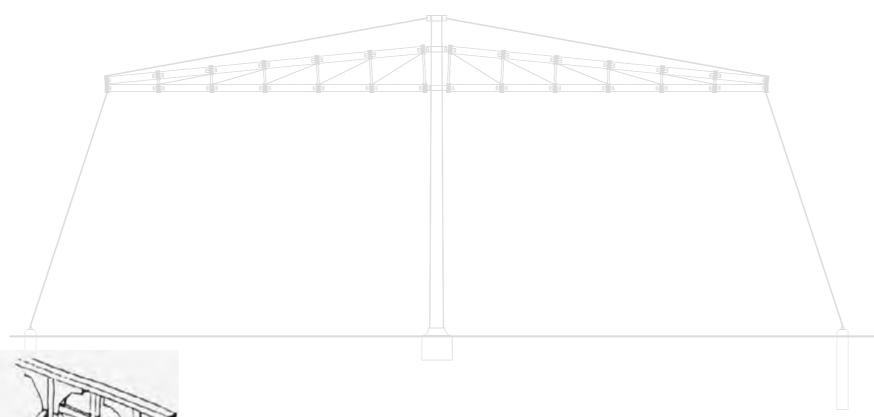
Suspension System

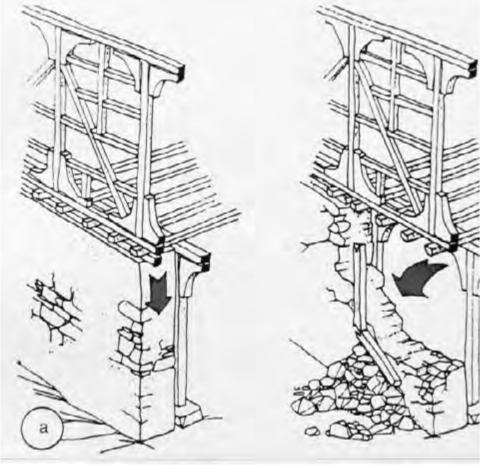




Tijs Reijer van der Eng 105 The layman's mosaic

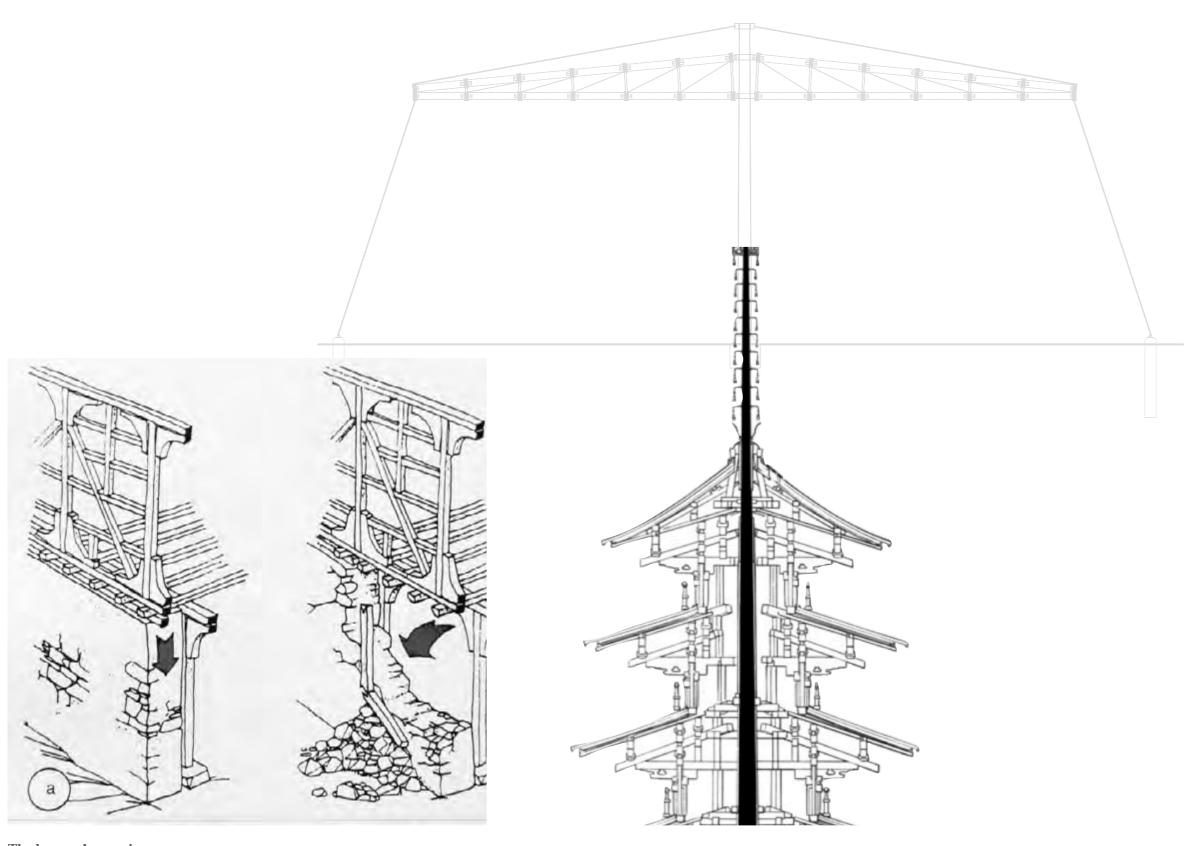
Double construction





Tijs Reijer van der Eng 106 The layman's mosaic

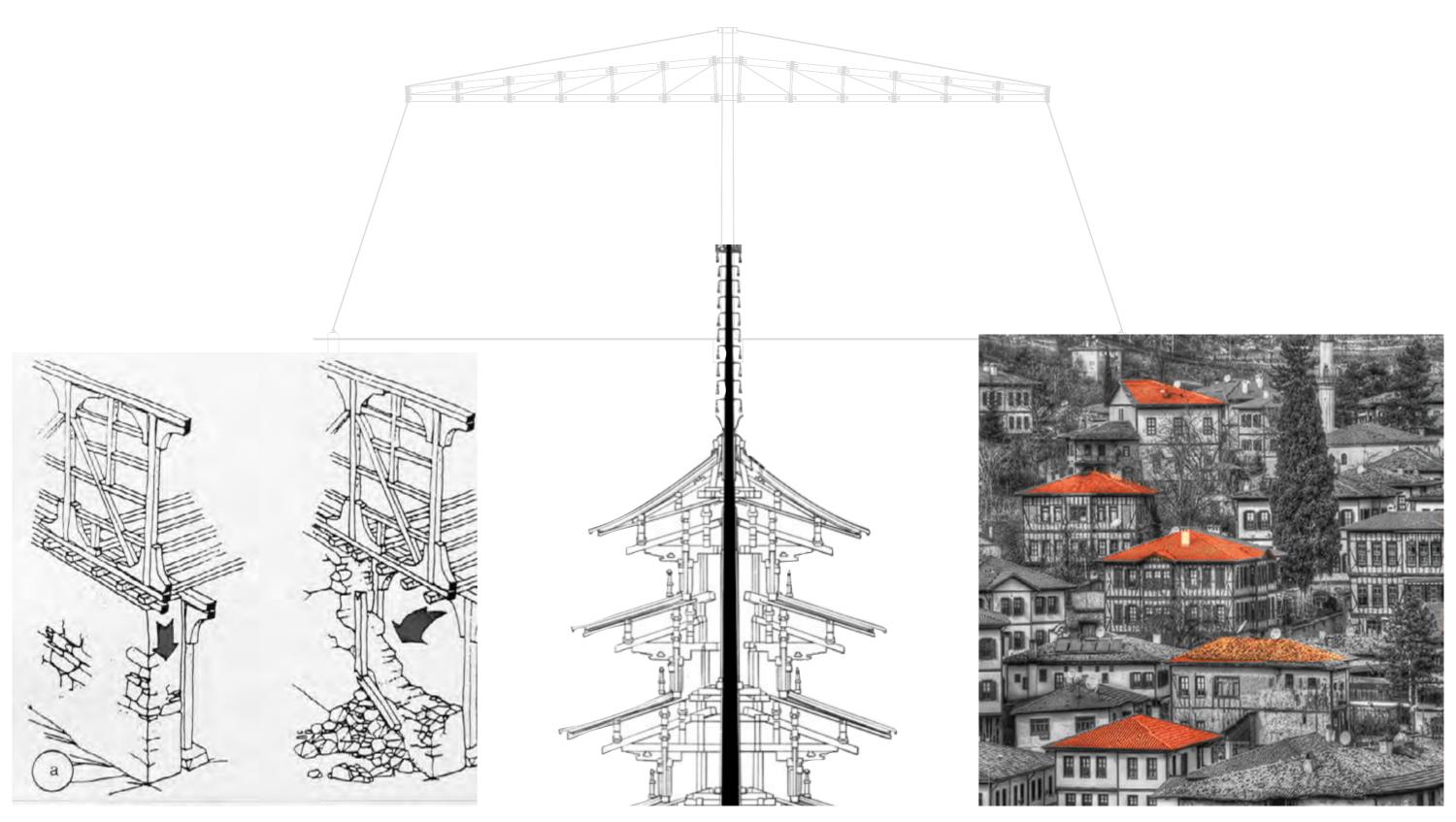
The 5-story pagoda



Tijs Reijer van der Eng 107 The layman's mosaic

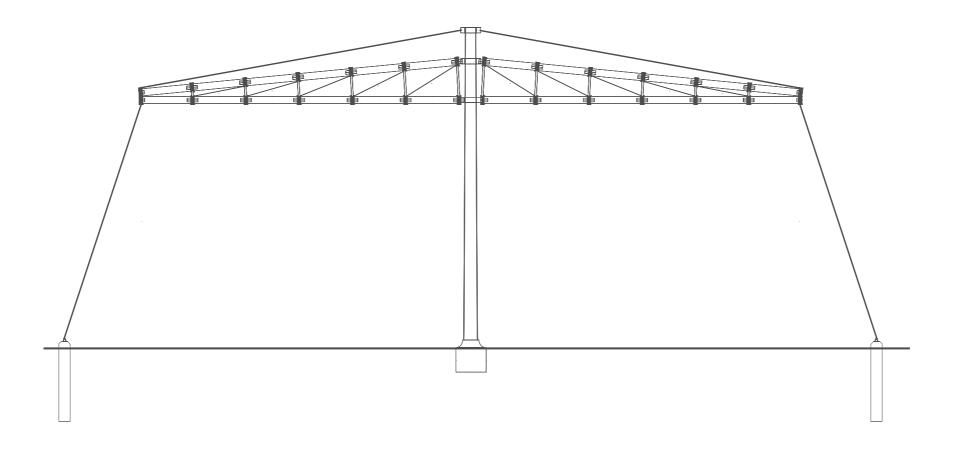
The Turkish roof



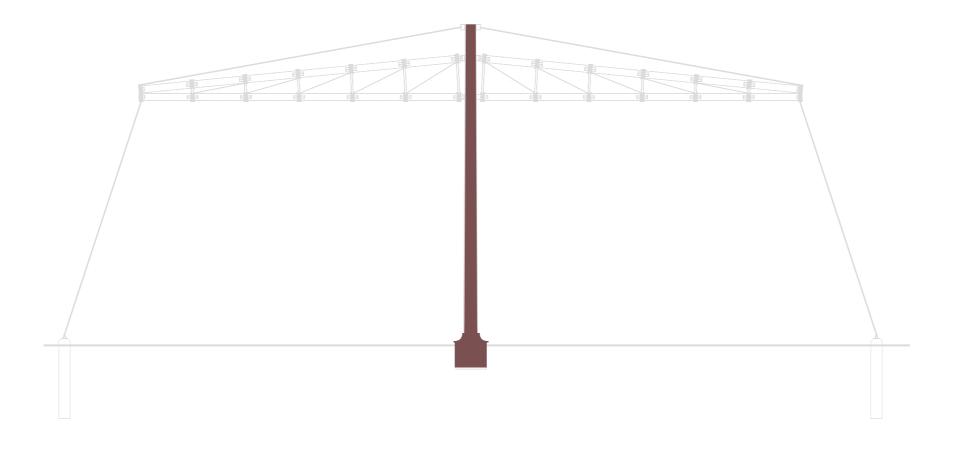


The layman's mosaic

Two parts

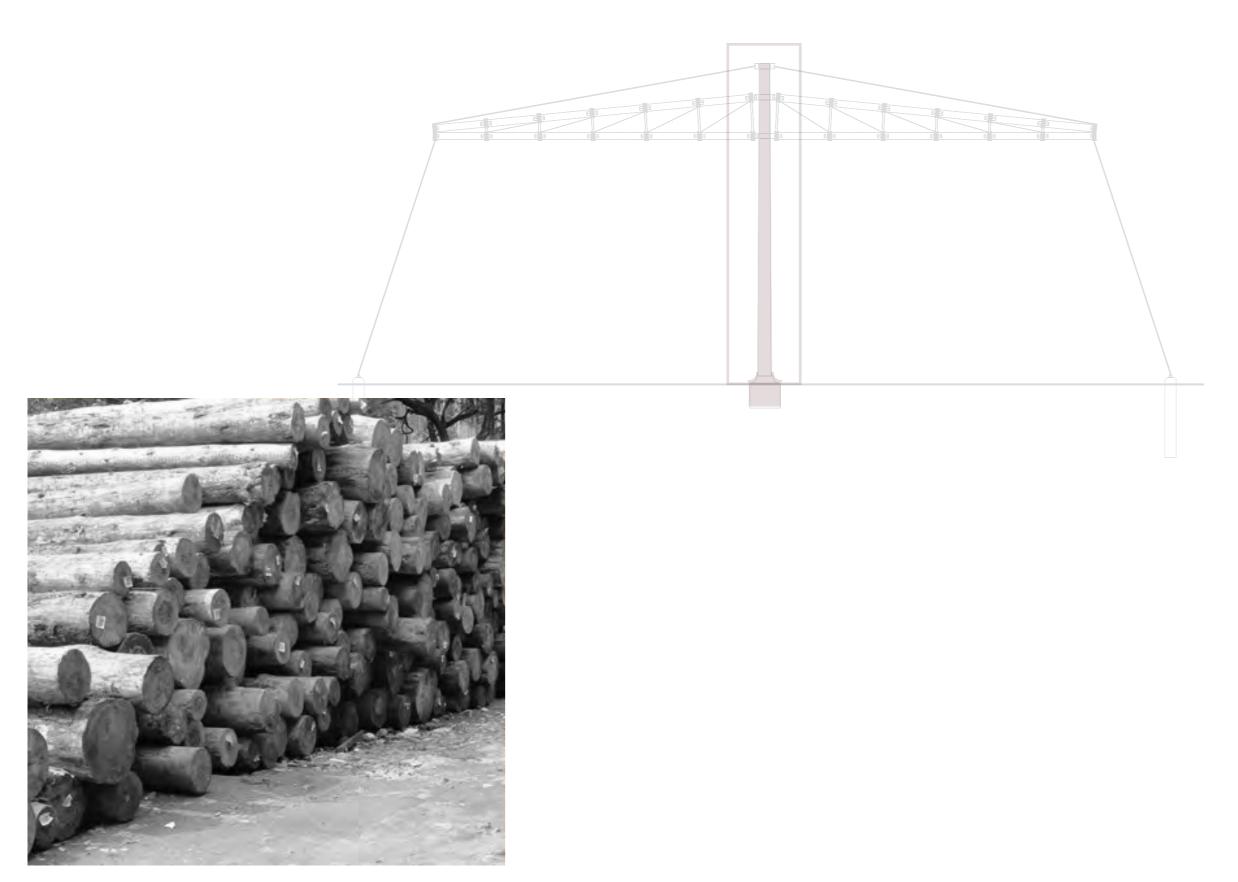


Two parts



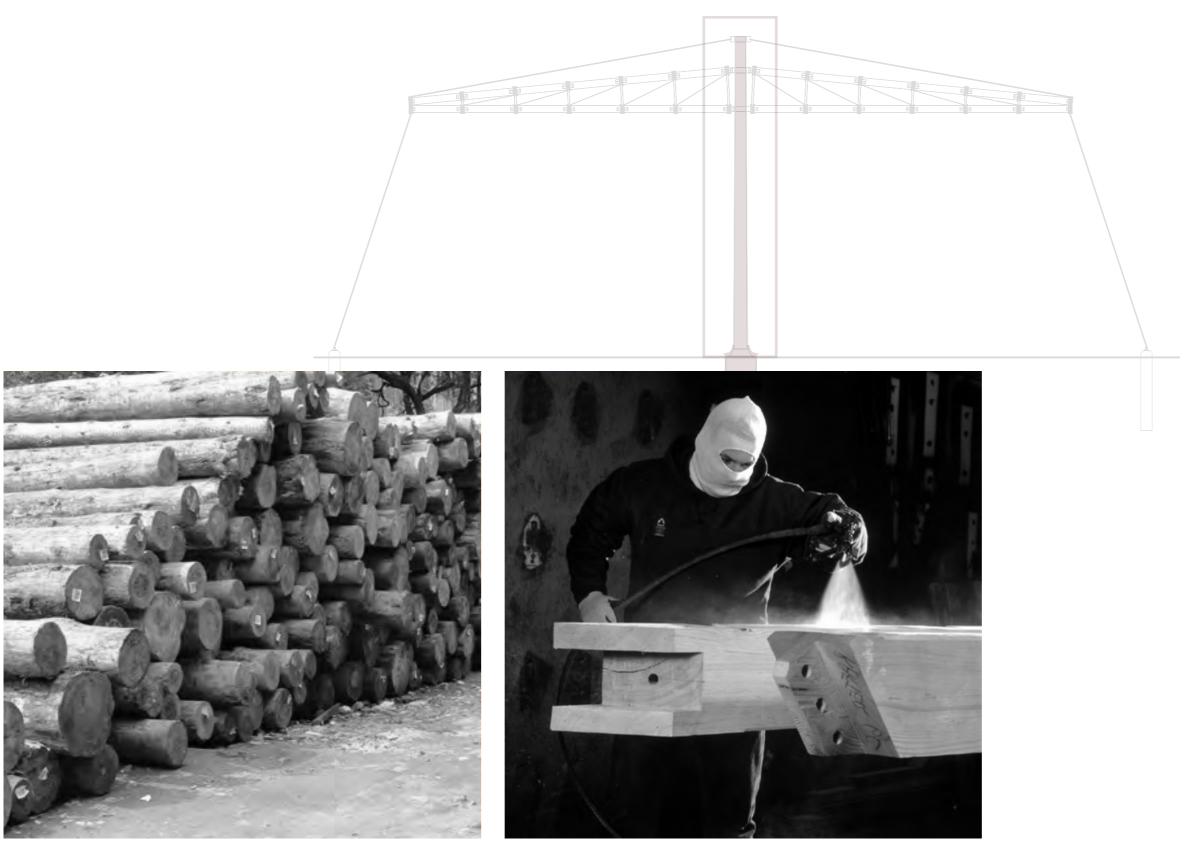
The Central Column

Raw tree trunks



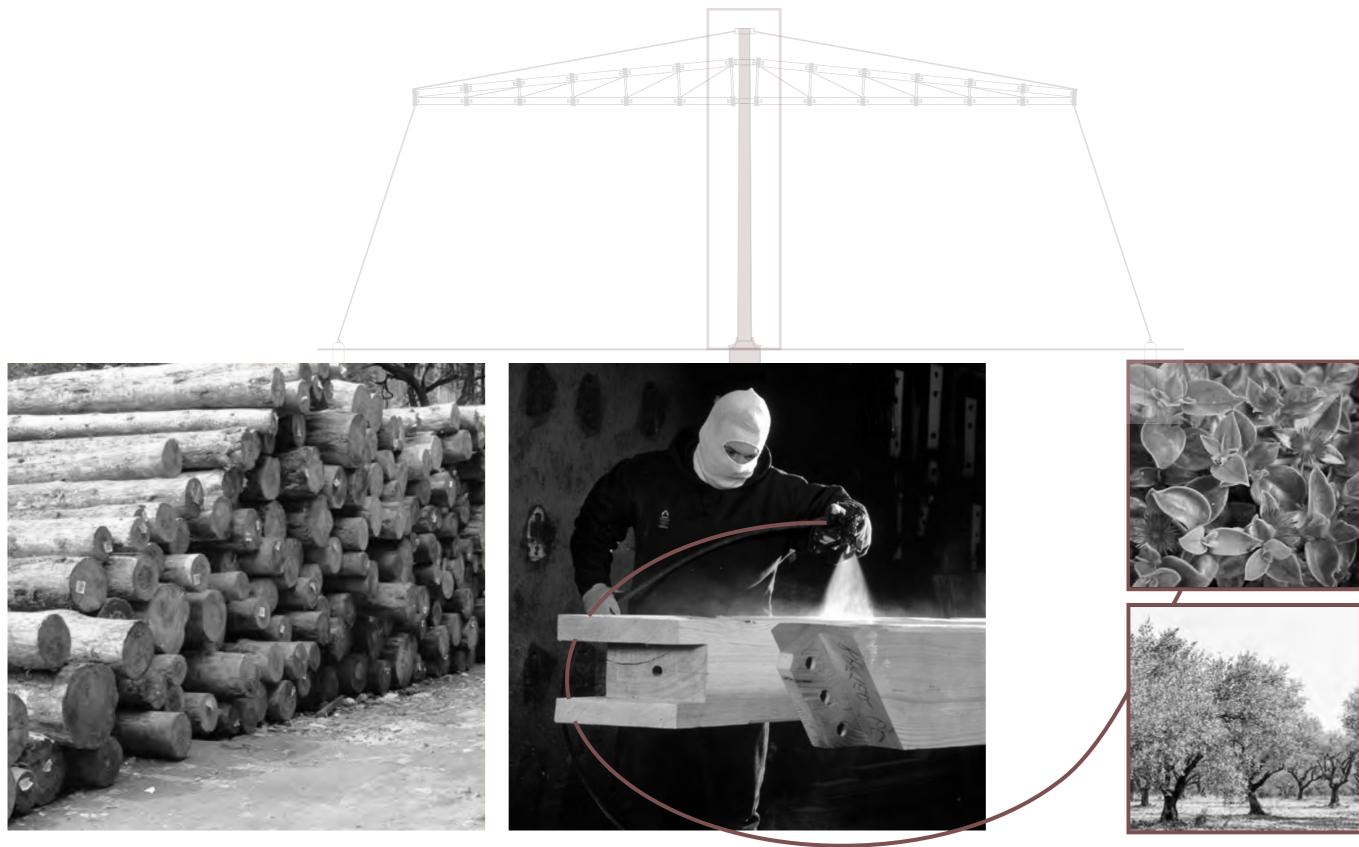
Tijs Reijer van der Eng 111 The layman's mosaic

Natural impregnation

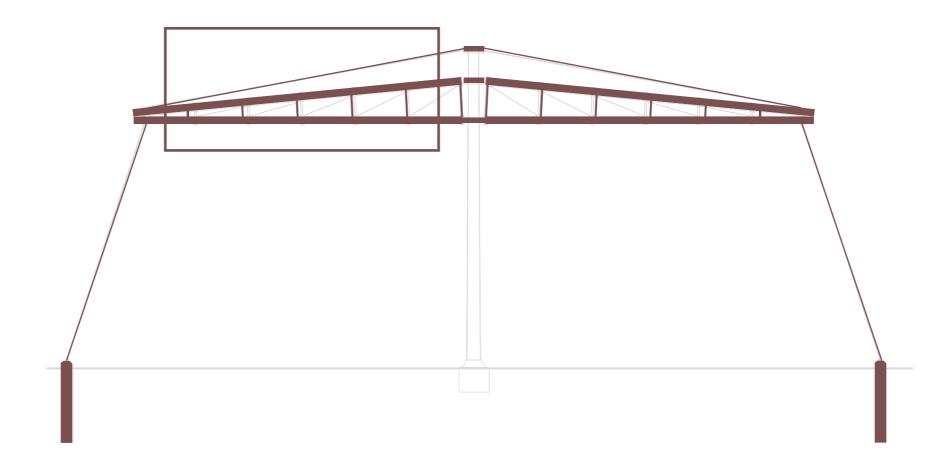


With locally resourced oils





The Truss System

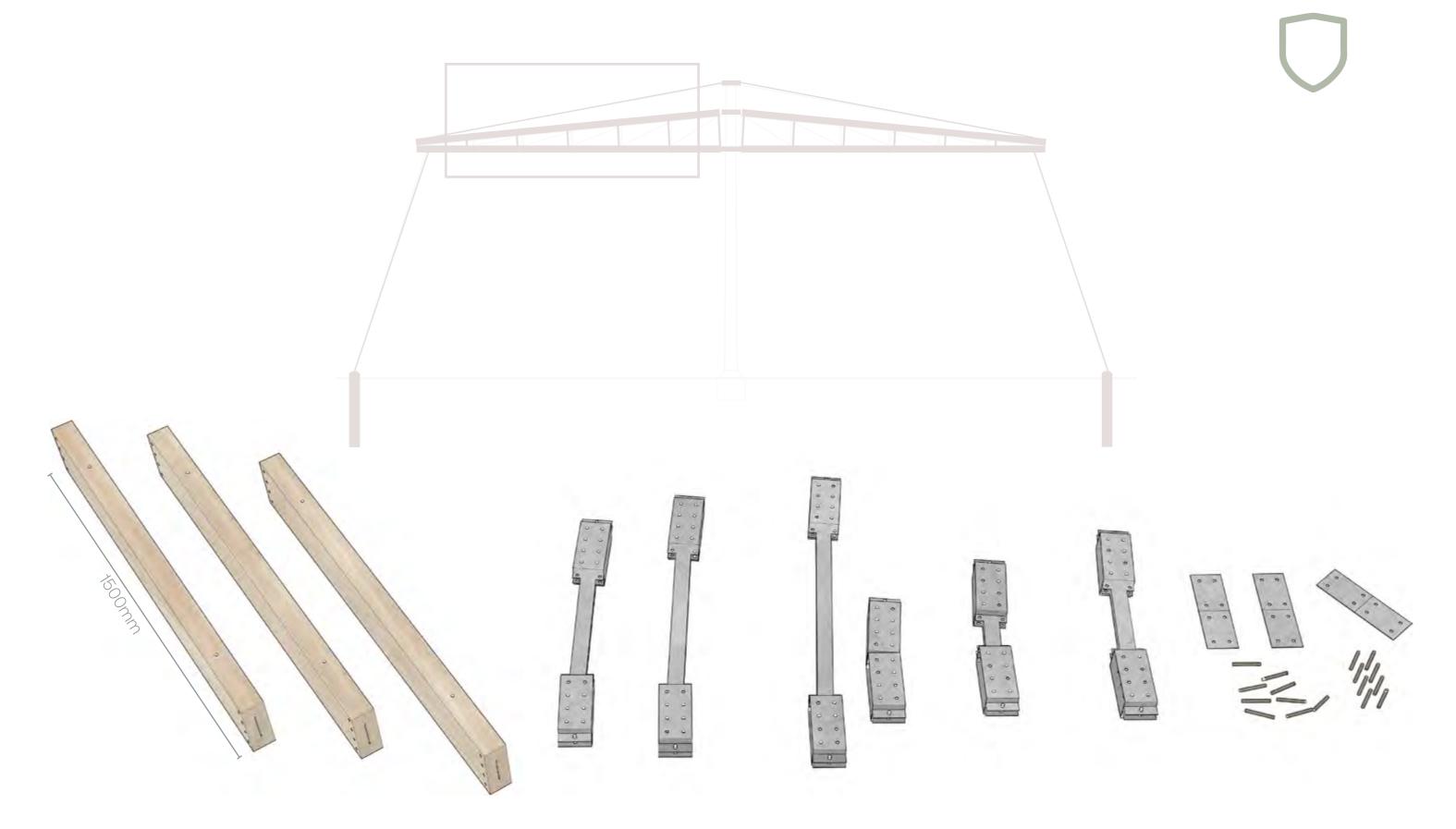


The Body

Tijs Reijer van der Eng 114 The layman's mosaic

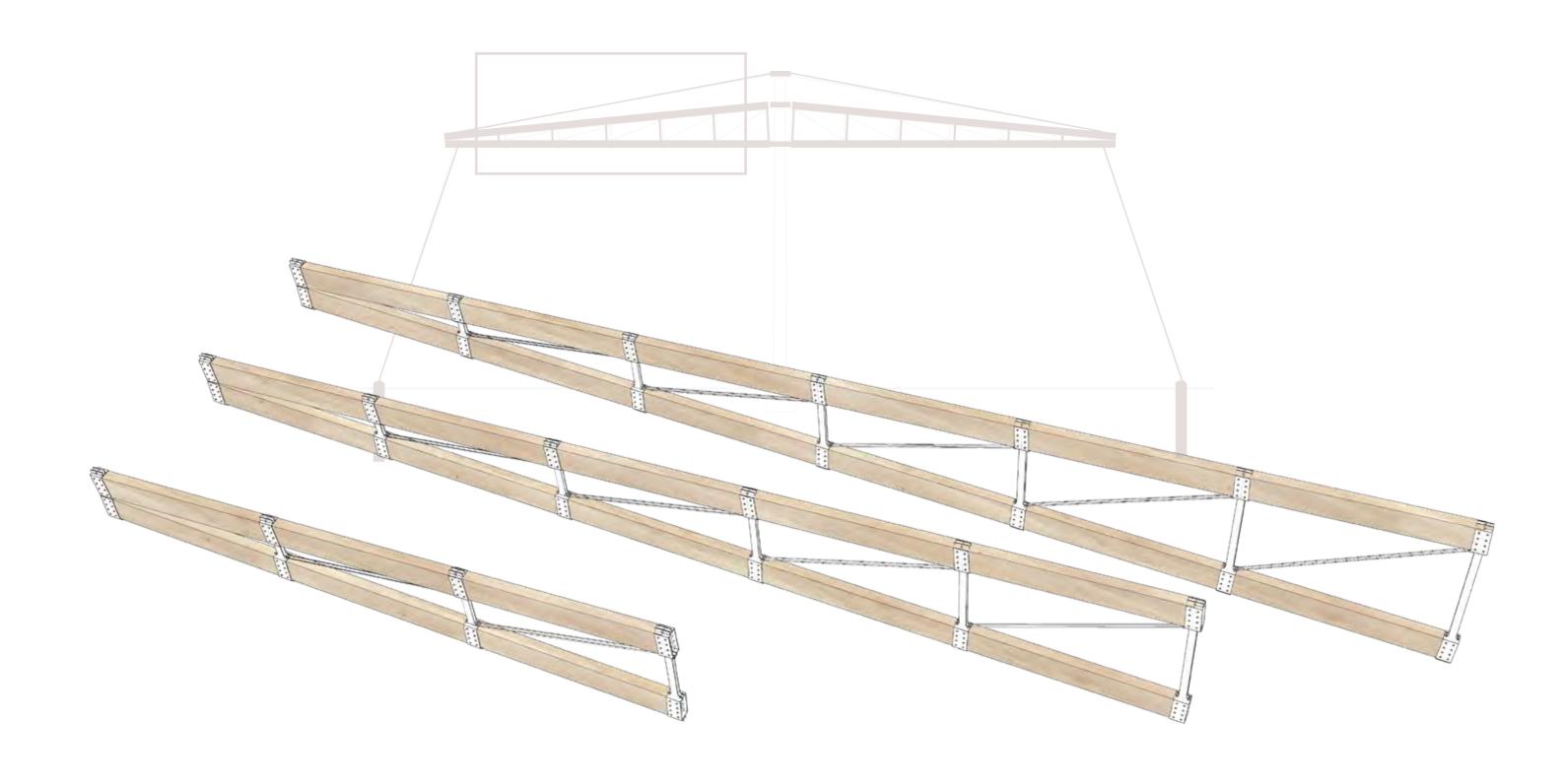
Tool Kit Parts



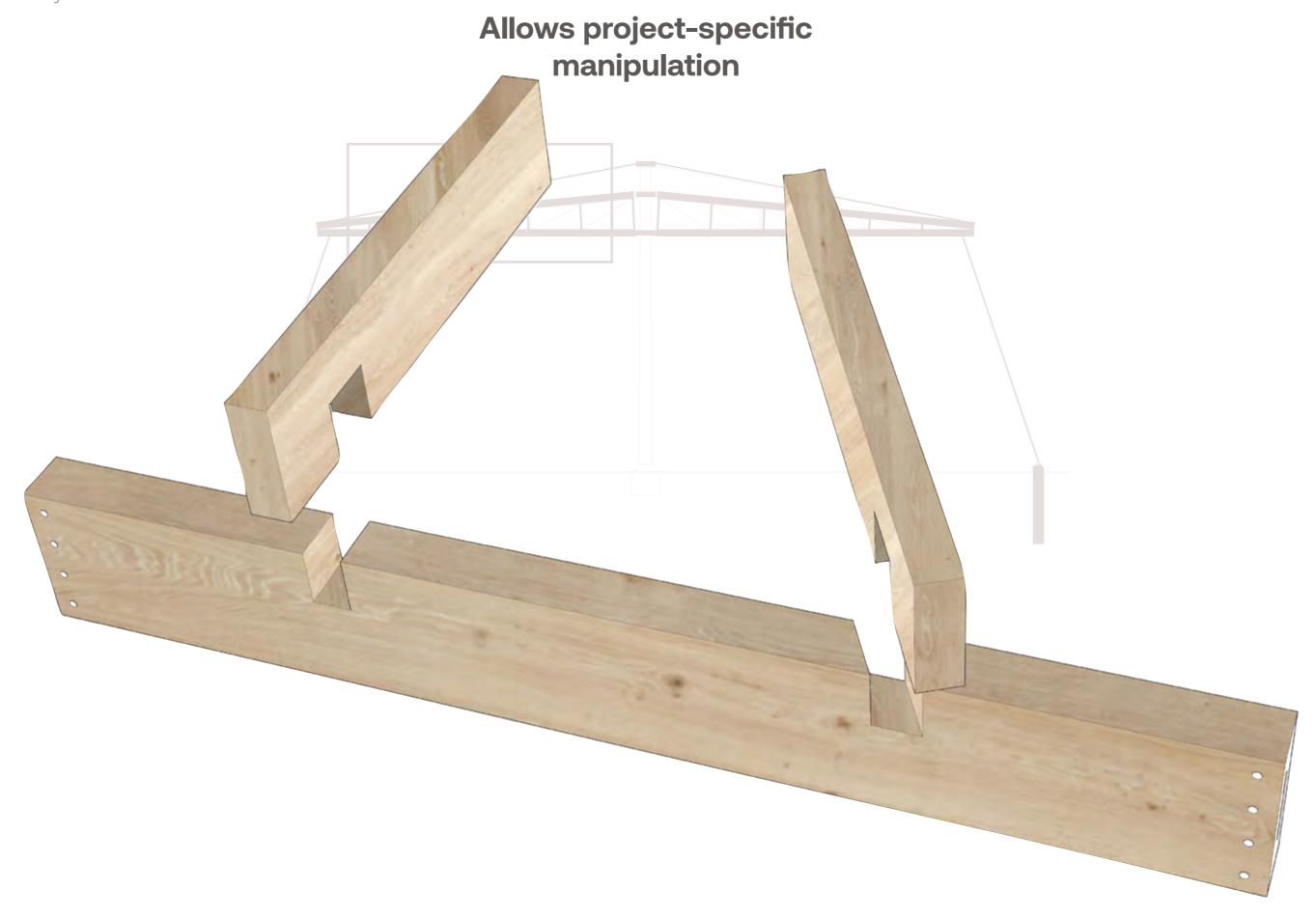


Tijs Reijer van der Eng 115 The layman's mosaic

Different Sizes

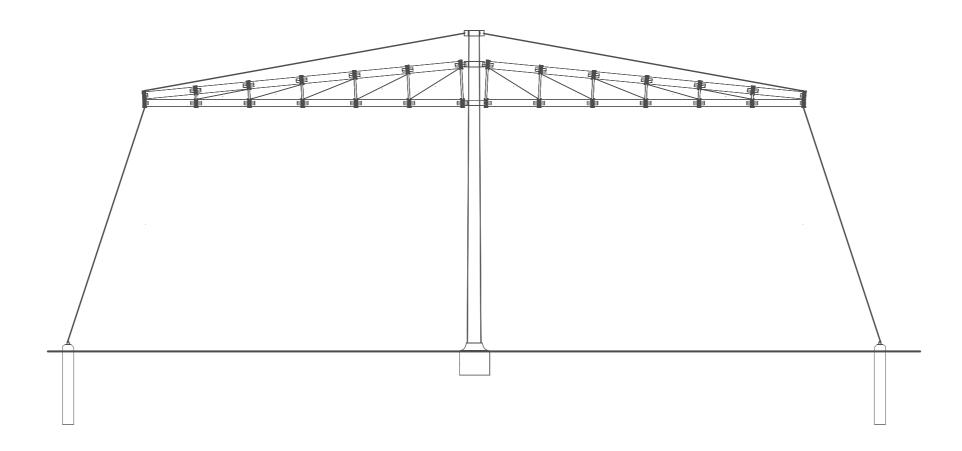


The Tool Kit: Roof The Truss System



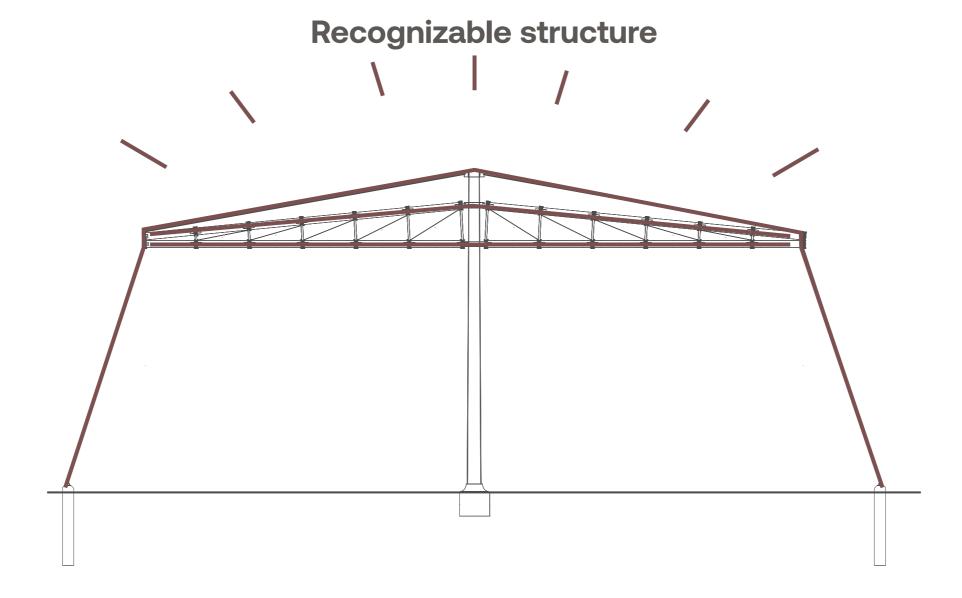
Tijs Reijer van der Eng 117 The layman's mosaic

Recognizability



Tijs Reijer van der Eng 118 The layman's mosaic

The Tool Kit: Roof Recognizability

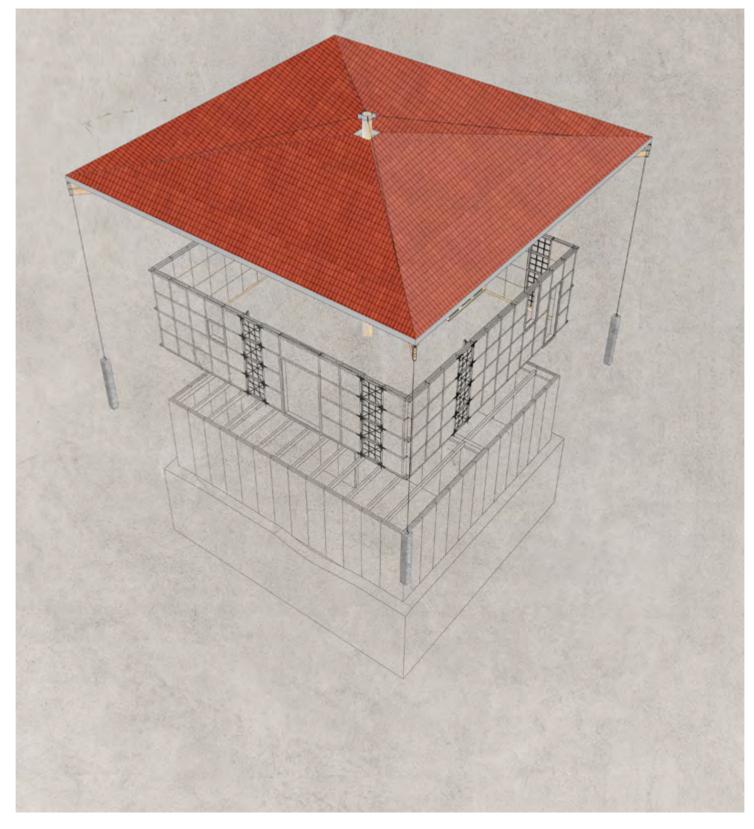


Tijs Reijer van der Eng 119 The layman's mosaic

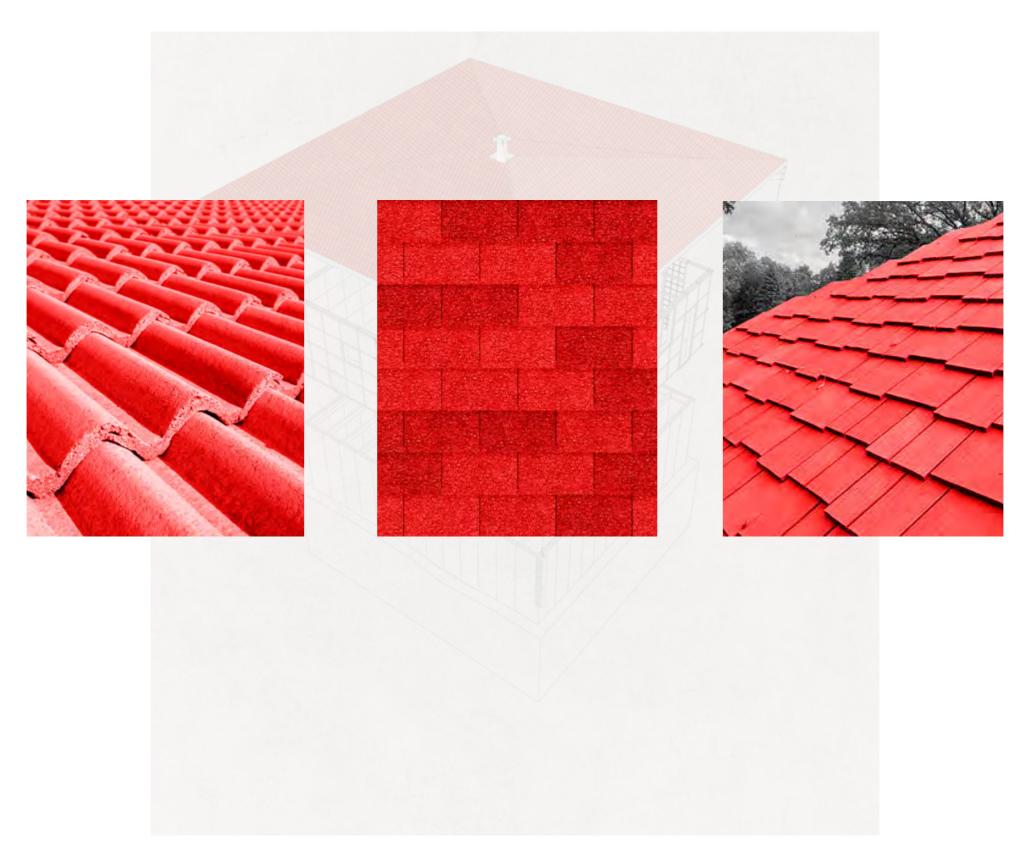
Red roofing







Red roofing



Referencing the Turkish flag



Easy to dinstinguish



Extended through routing





Tijs Reijer van der Eng 124 The layman's mosaic

Allowing wayfinding



Tijs Reijer van der Eng 125 The layman's mosaic

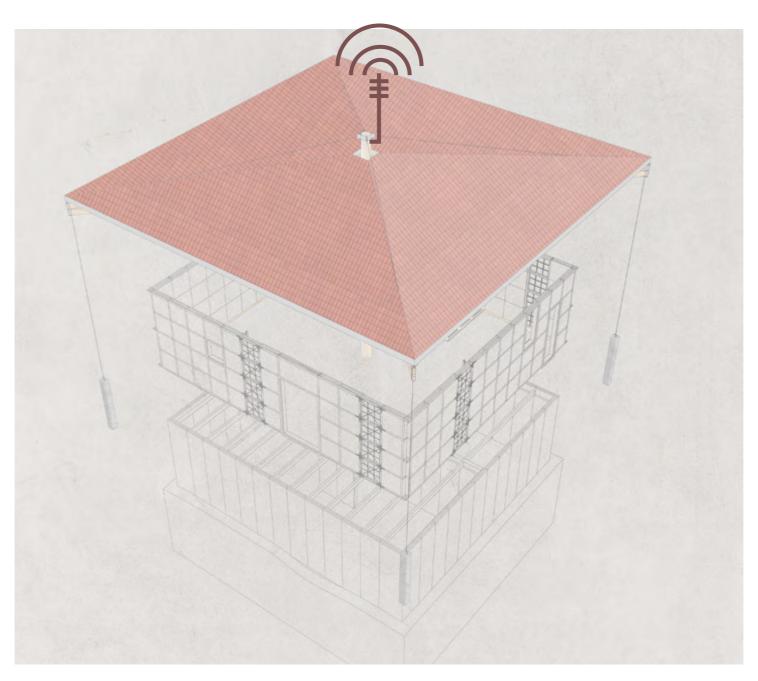
And instant recognizability



Tijs Reijer van der Eng 126 The layman's mosaic

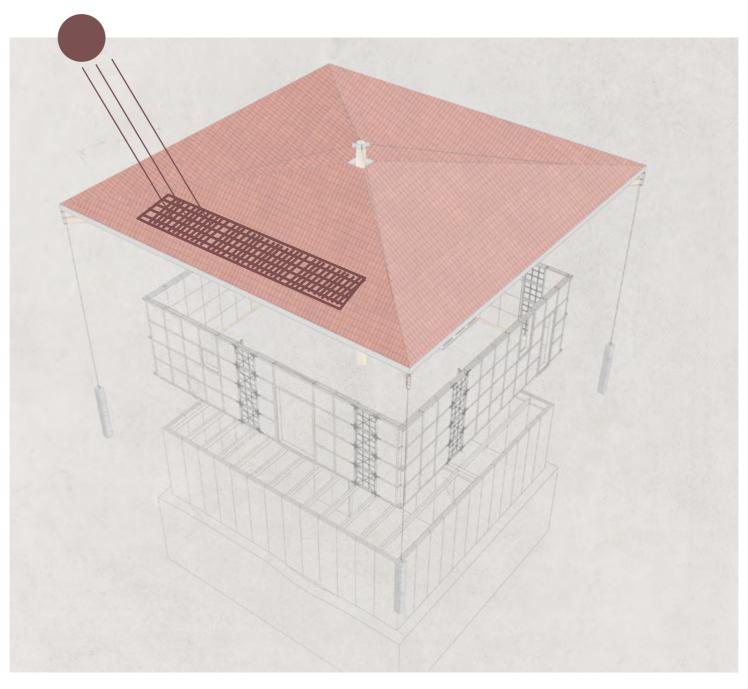
Further possibilities of The Roof

Telecommunications



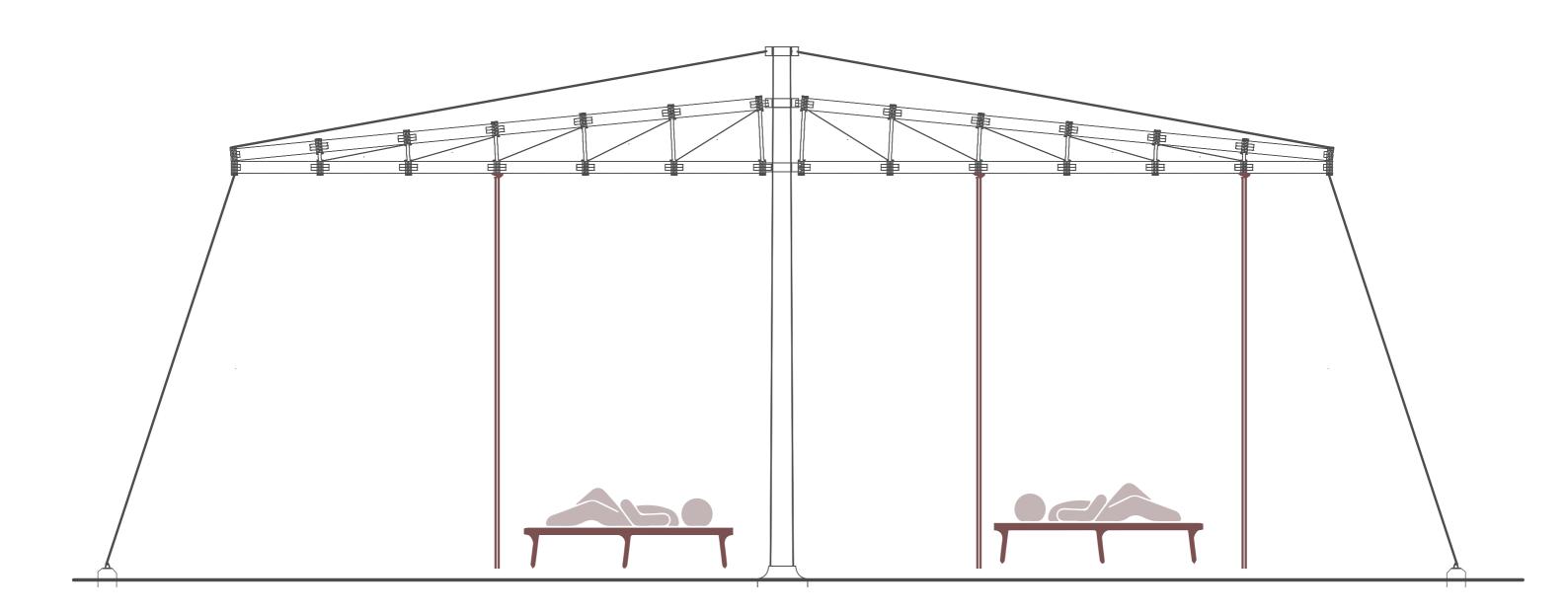
Further possibilities of The Roof

Energy Generation



Further possibilities of The Roof

Emergency Partition System



The Tool Kit: Roof

Additions

Further possibilities of The Roof

Emergency Partition System



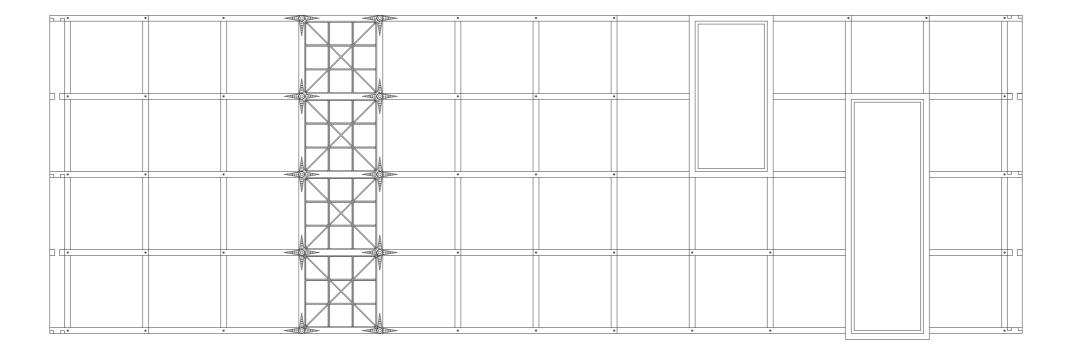


The Final Checklist & The Tool Kit

The (Core) Tool Kit

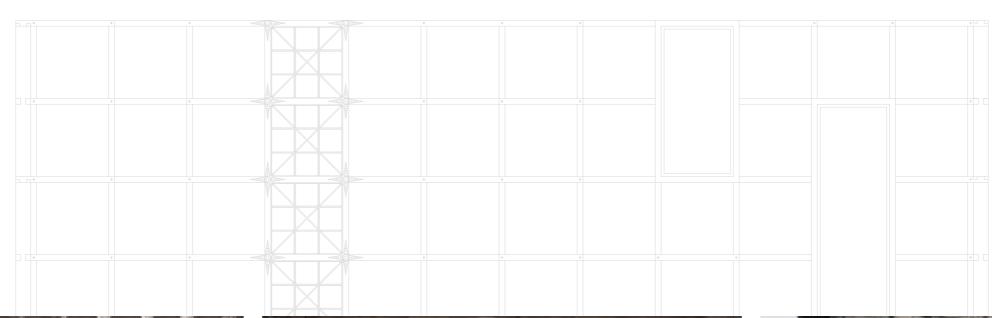
The Skin

The Tool Kit: Skin Introduction



Hımış & Baghdadi (Half-Timbered)



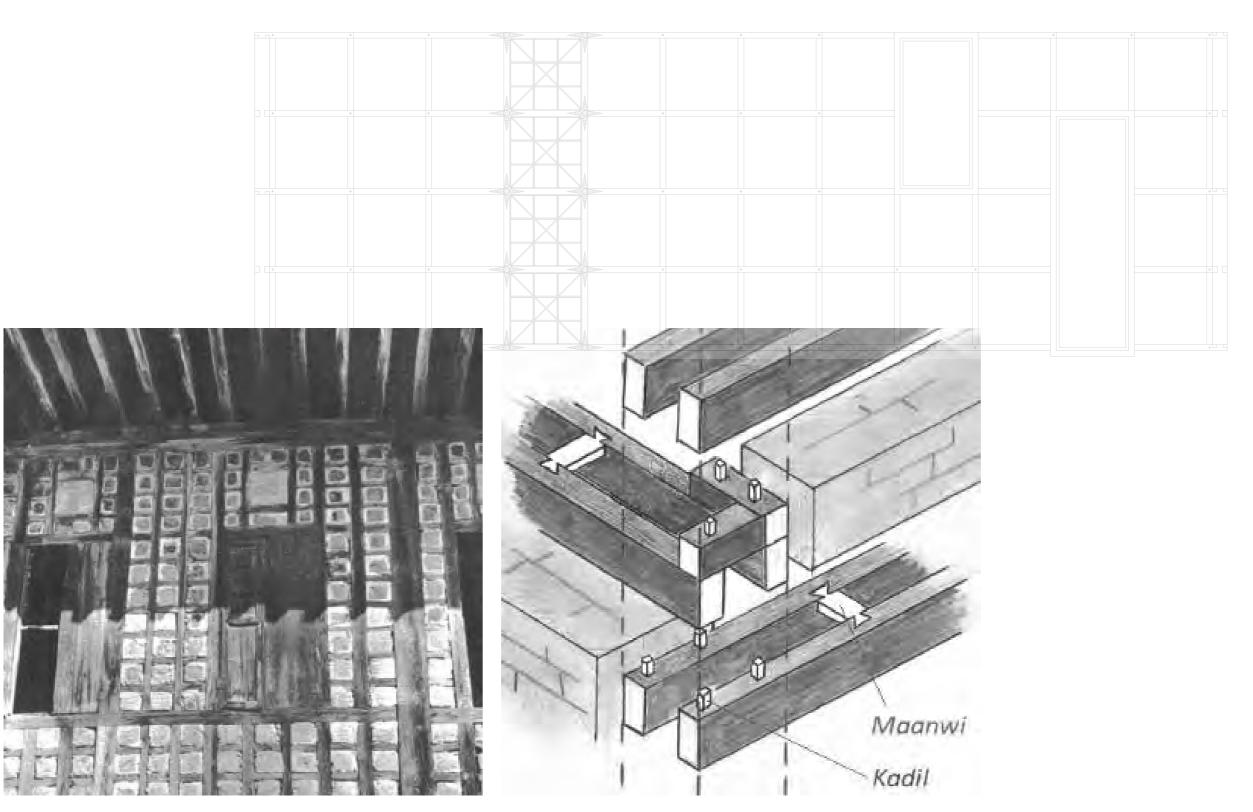






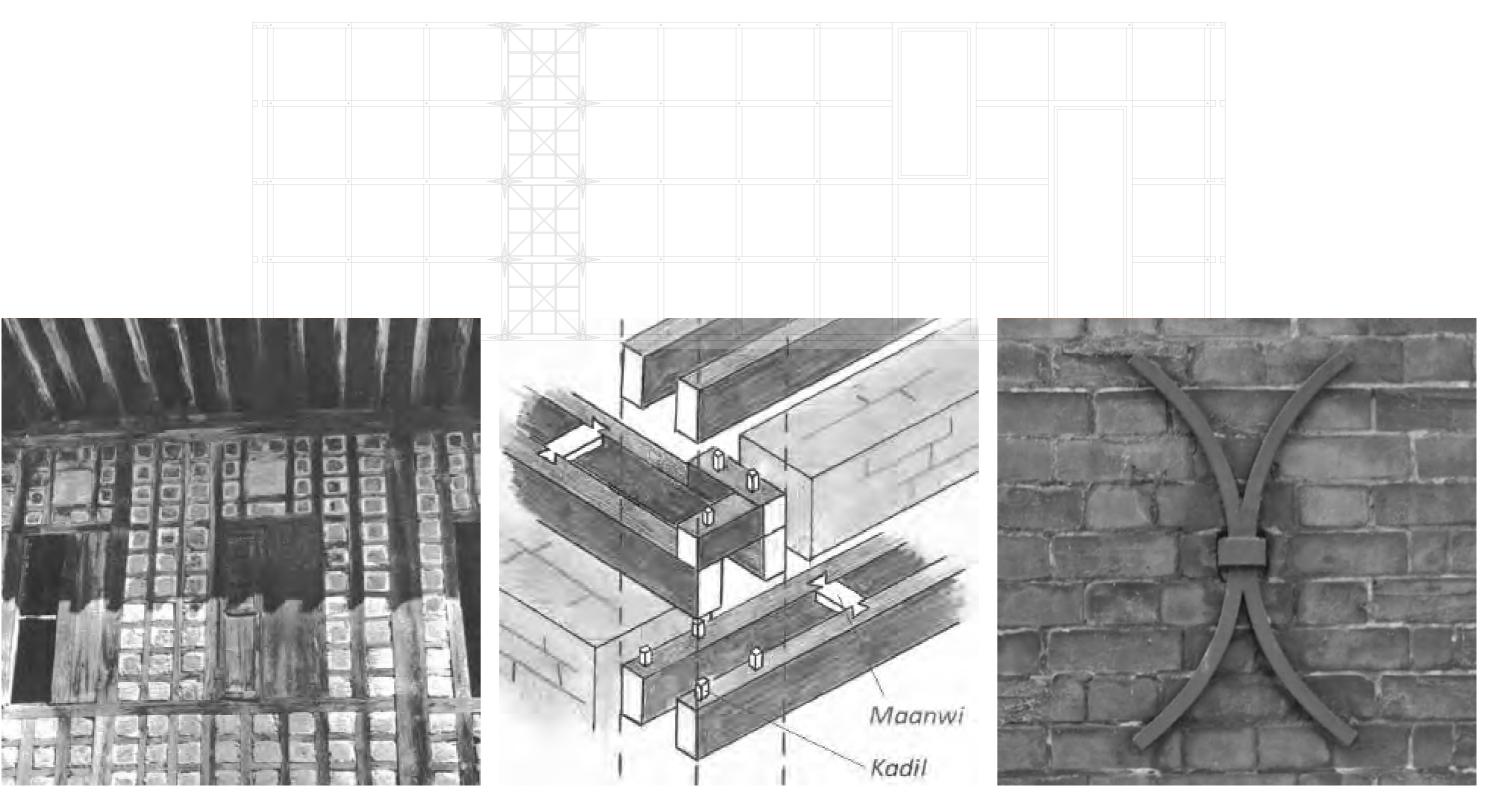


Hatıl & Kath Kundi



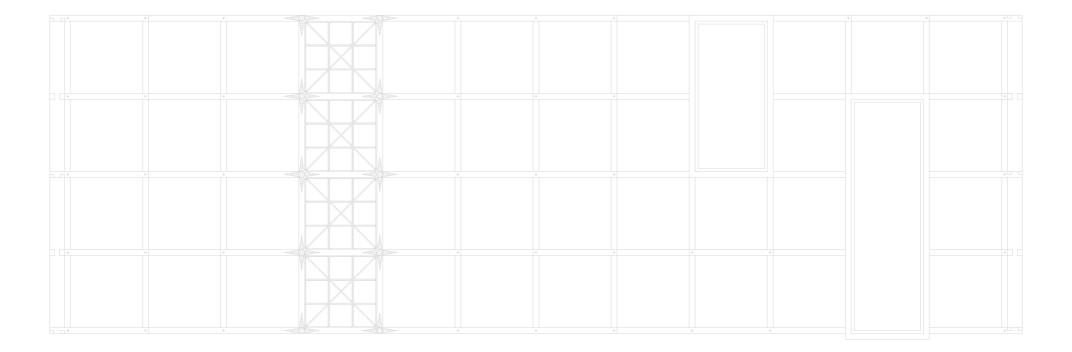
Tijs Reijer van der Eng 134 The layman's mosaic

Wall tie

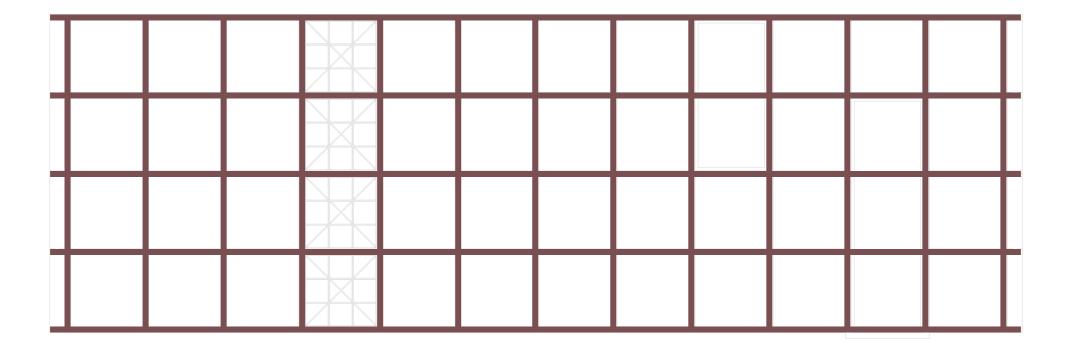


The Tool Kit: Skin

Two parts

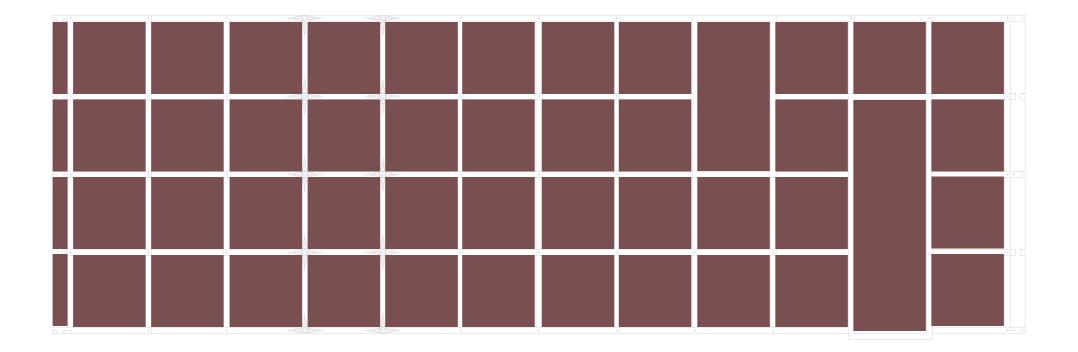


Two parts



The Structure

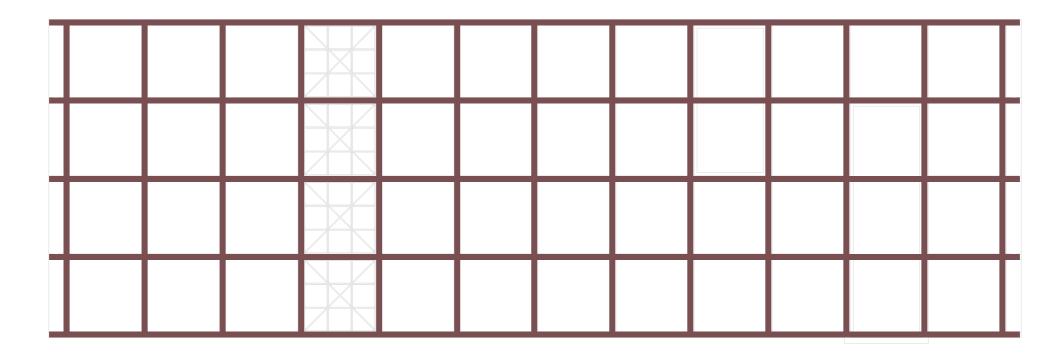
Two parts



The Infill

The Tool Kit: Skin The Structure

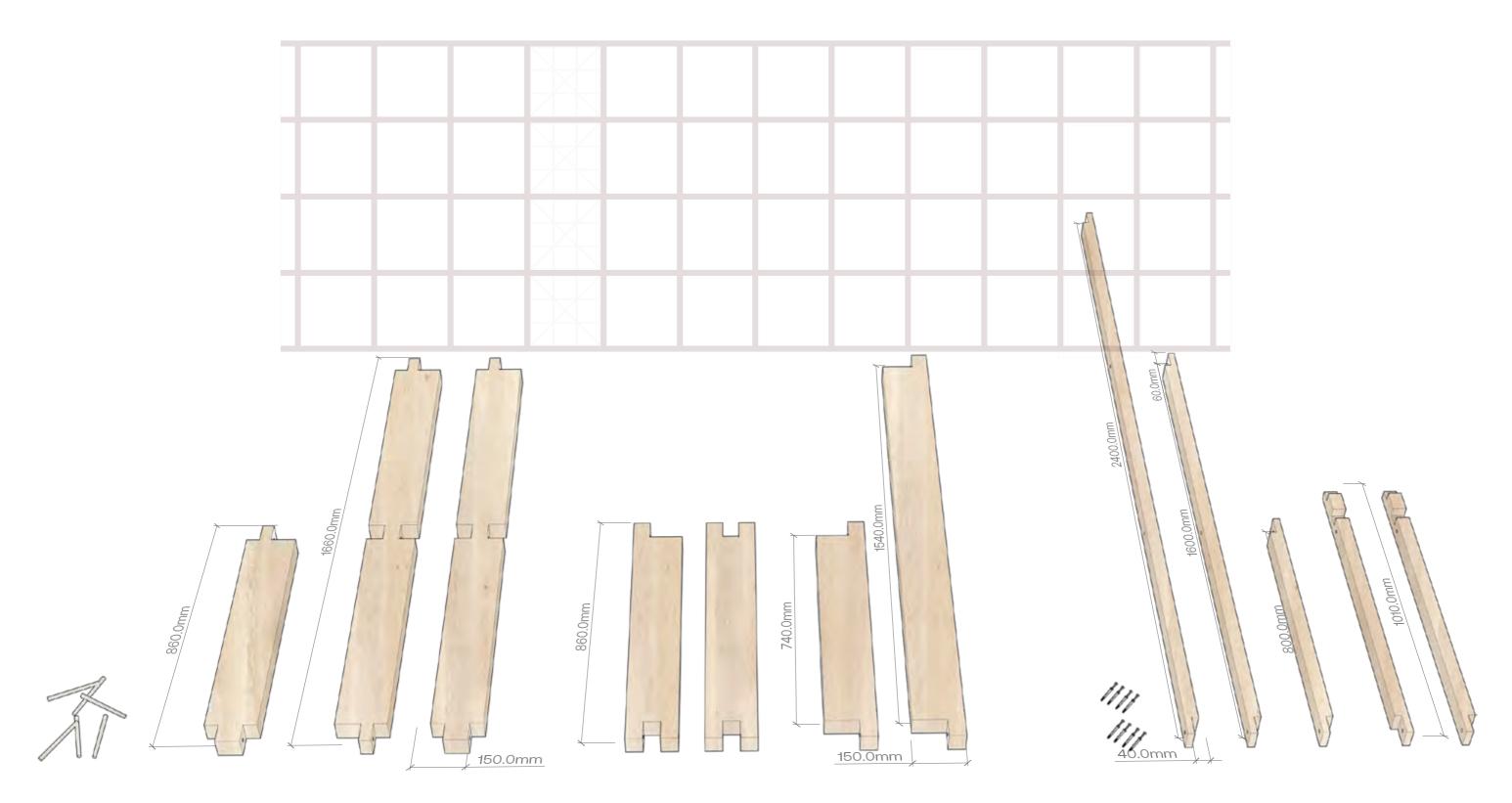
The Structure



Tijs Reijer van der Eng 139 The layman's mosaic

Tool Kit Parts





Build-up



Build-up



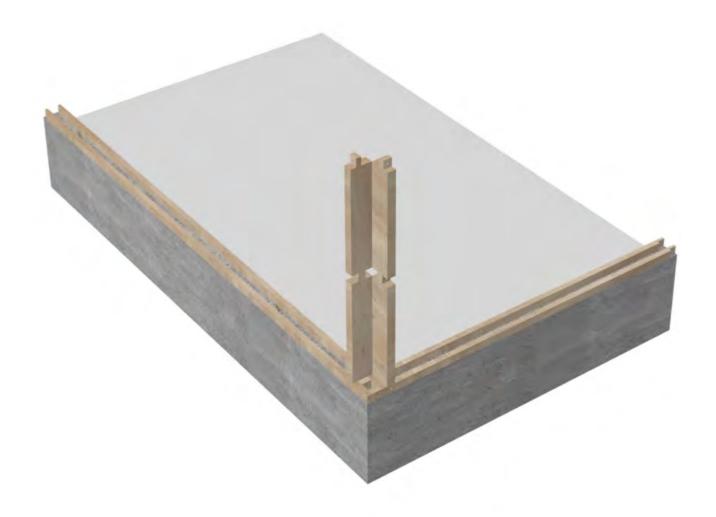
Build-up

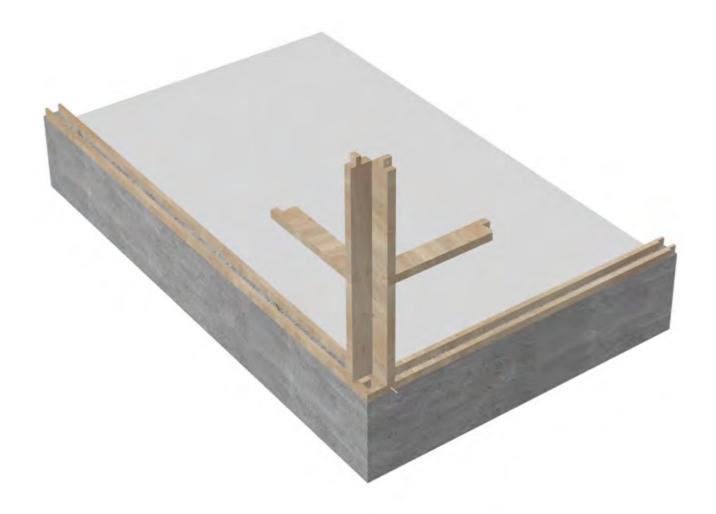


Build-up

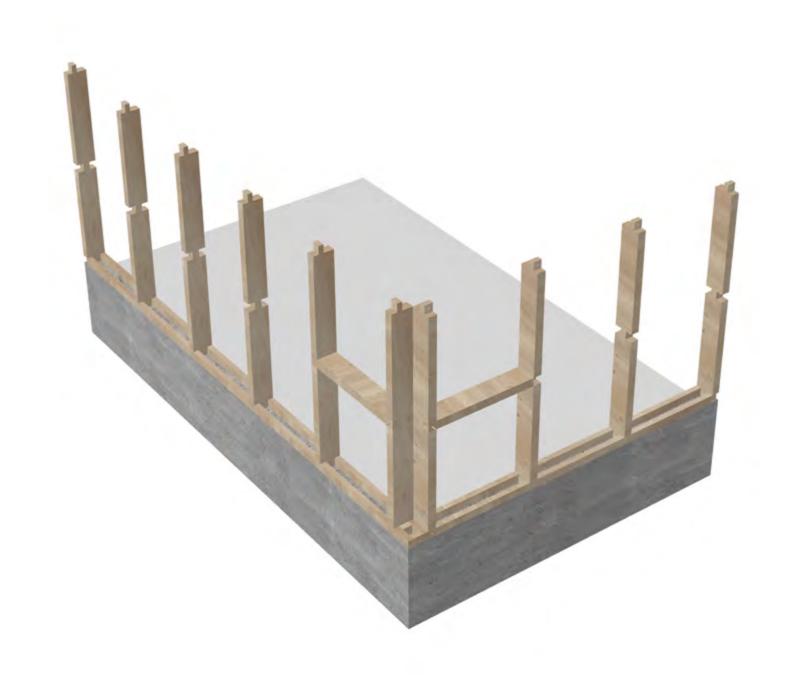


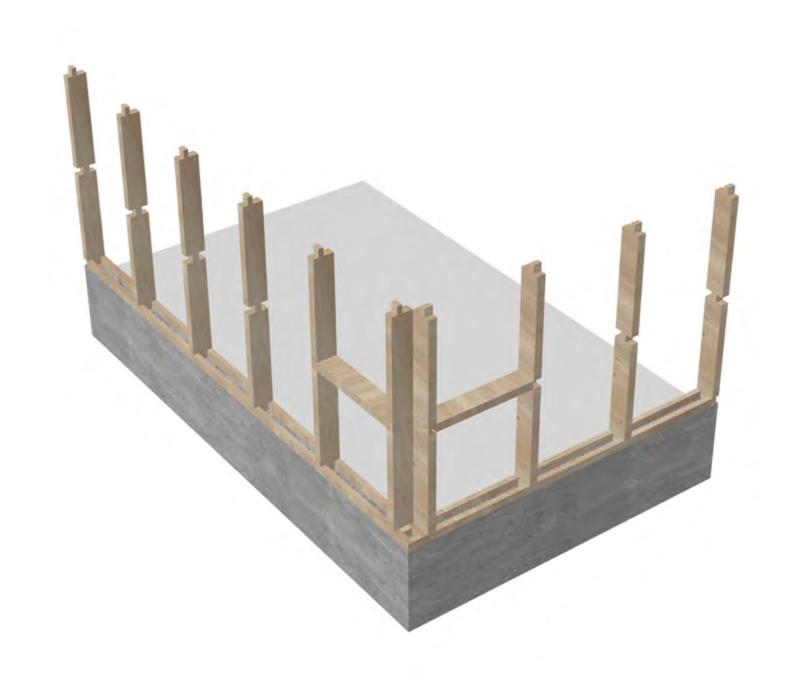


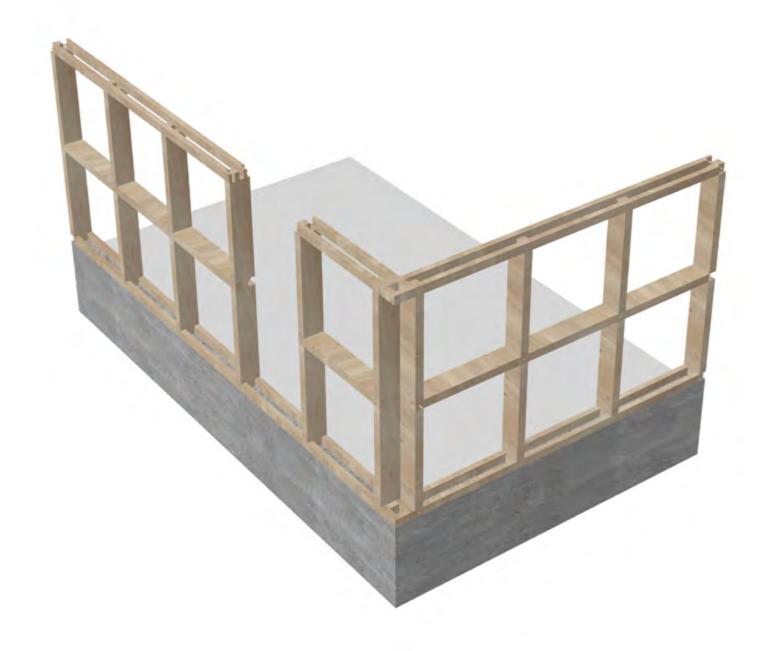




Tijs Reijer van der Eng 147 The layman's mosaic

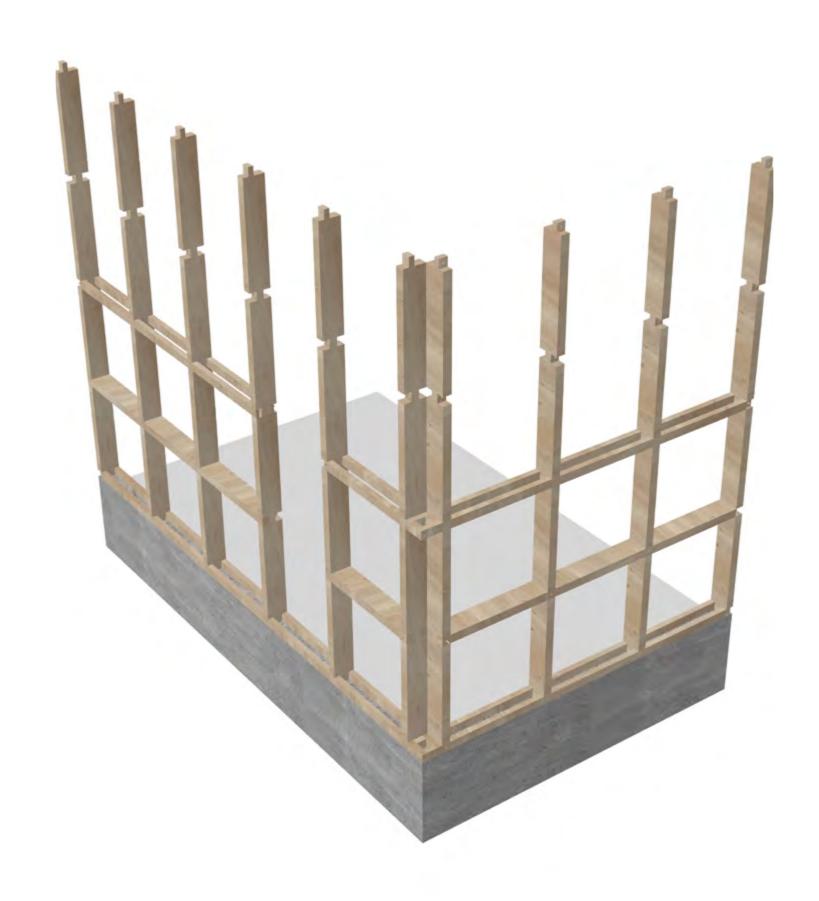






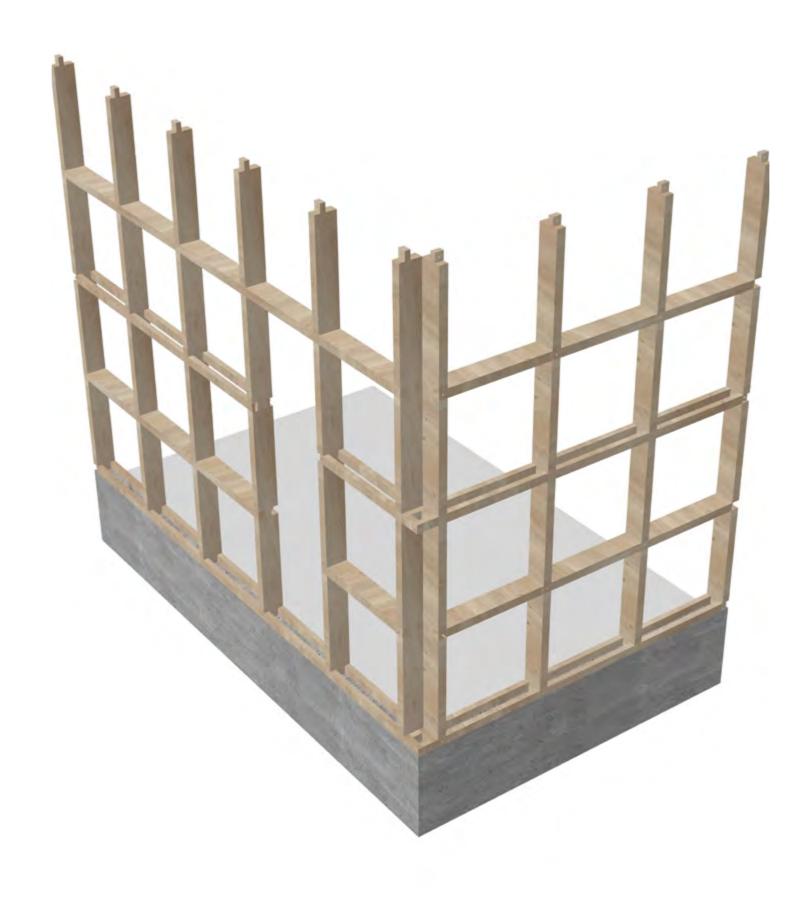
Tijs Reijer van der Eng 150 The layman's mosaic

Build-up



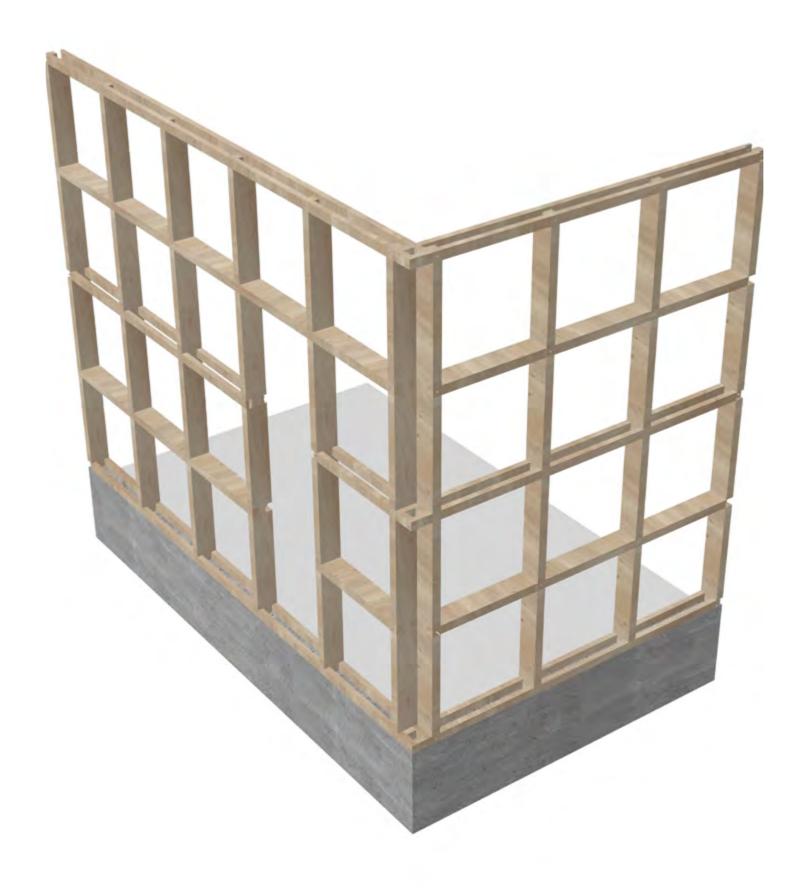
Tijs Reijer van der Eng 151 The layman's mosaic

Build-up



Tijs Reijer van der Eng 152 The layman's mosaic

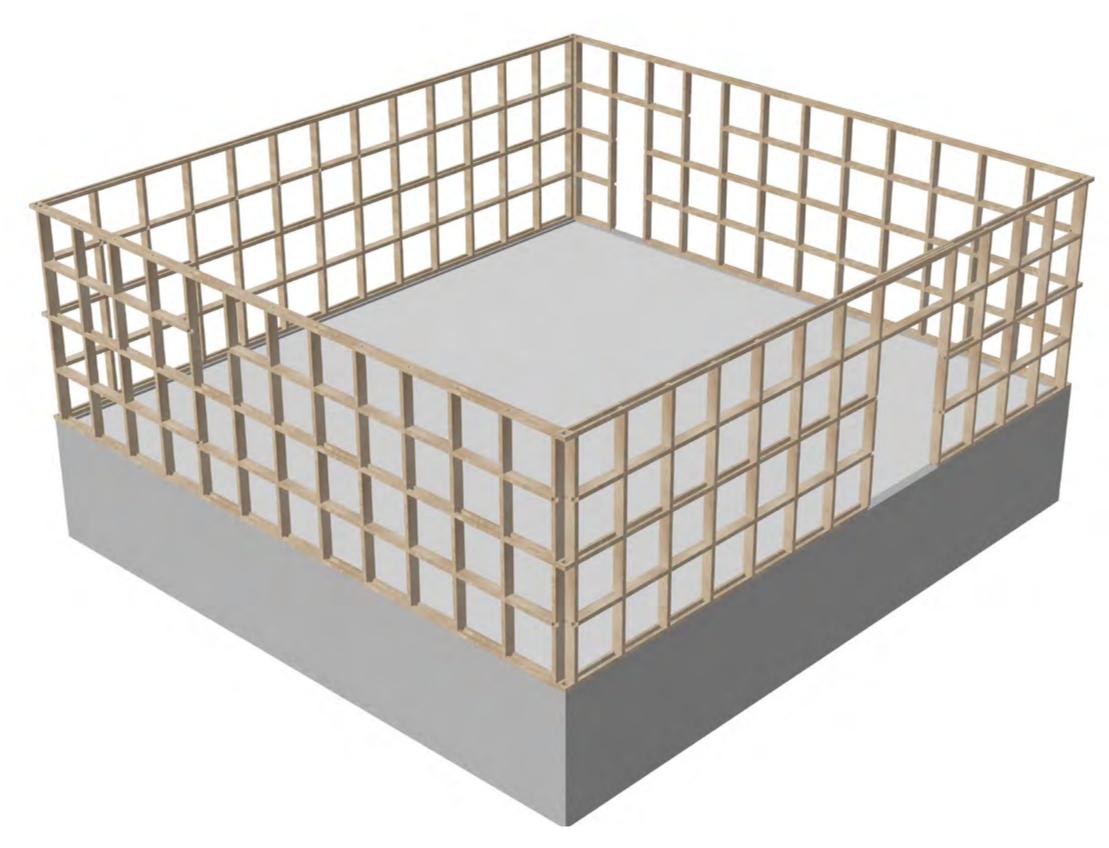
Build-up



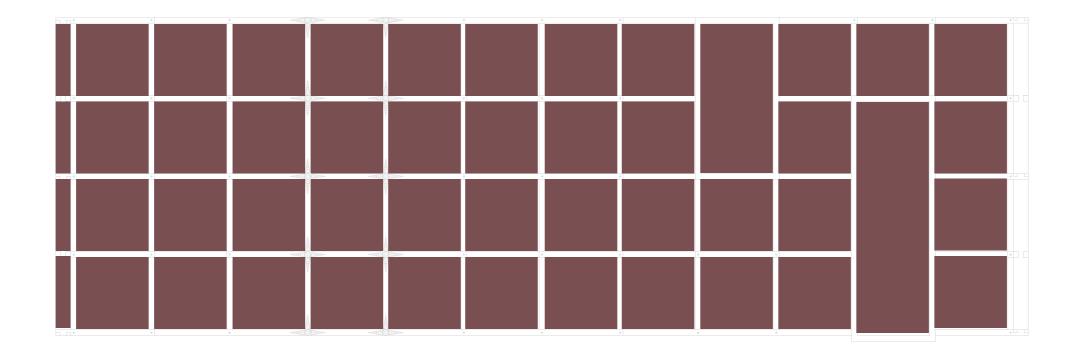
Tijs Reijer van der Eng 153 The layman's mosaic

A full structure

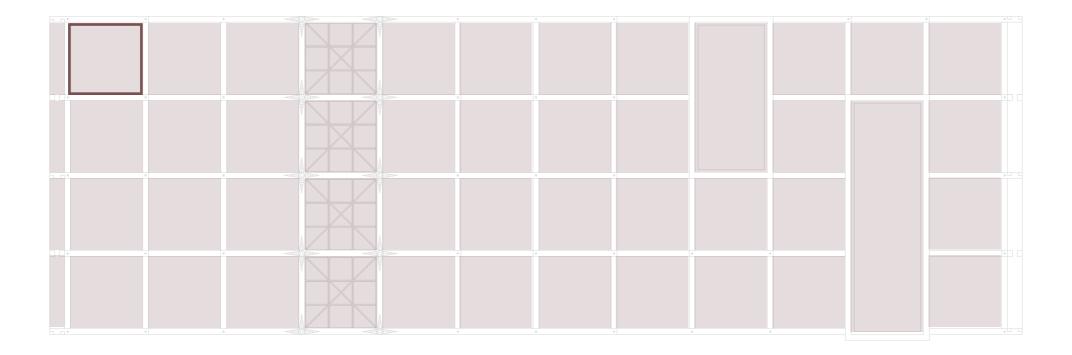




The Infill

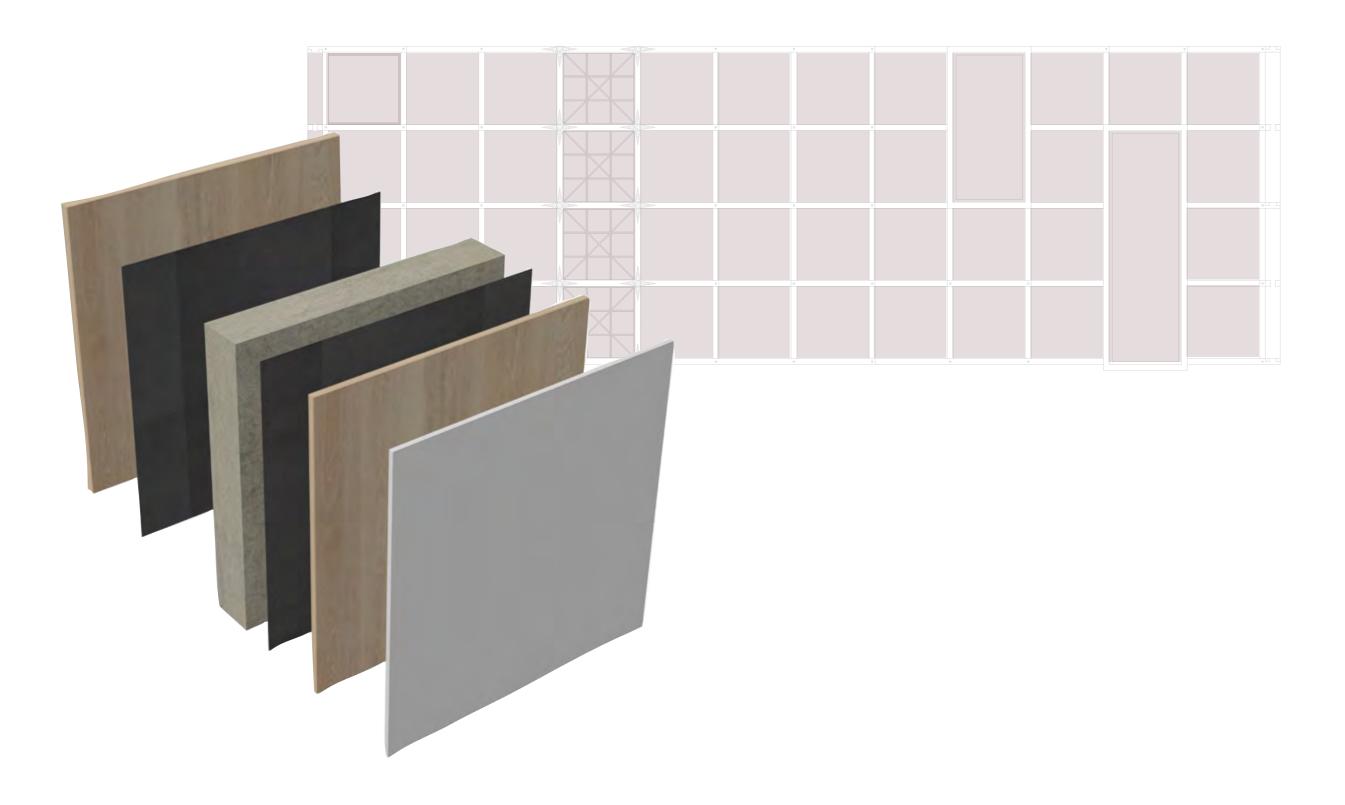


The Infill



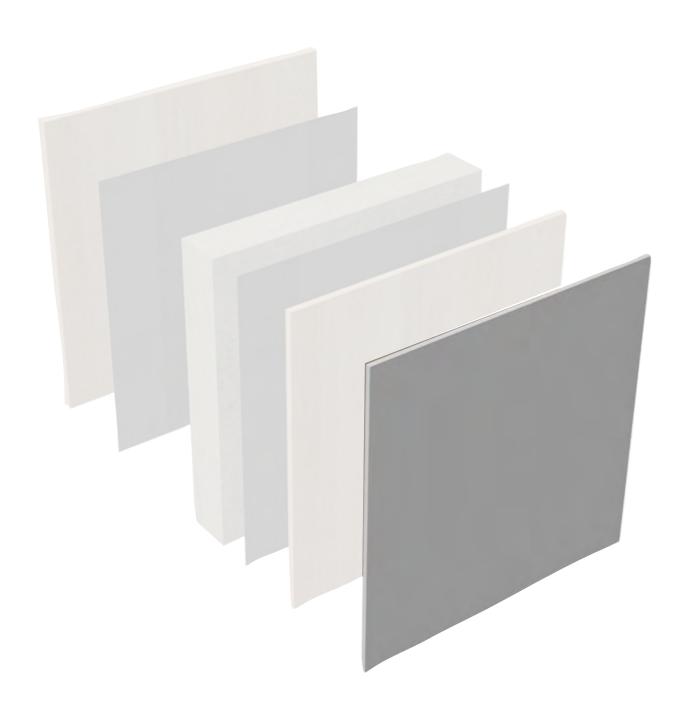
The Default (Baghdadi)

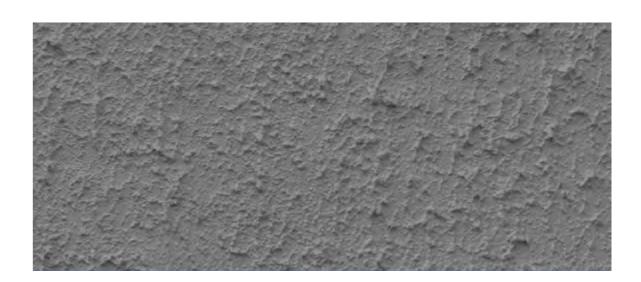
The Default (Baghdadi)



Tijs Reijer van der Eng 157 The layman's mosaic

Varying finishes



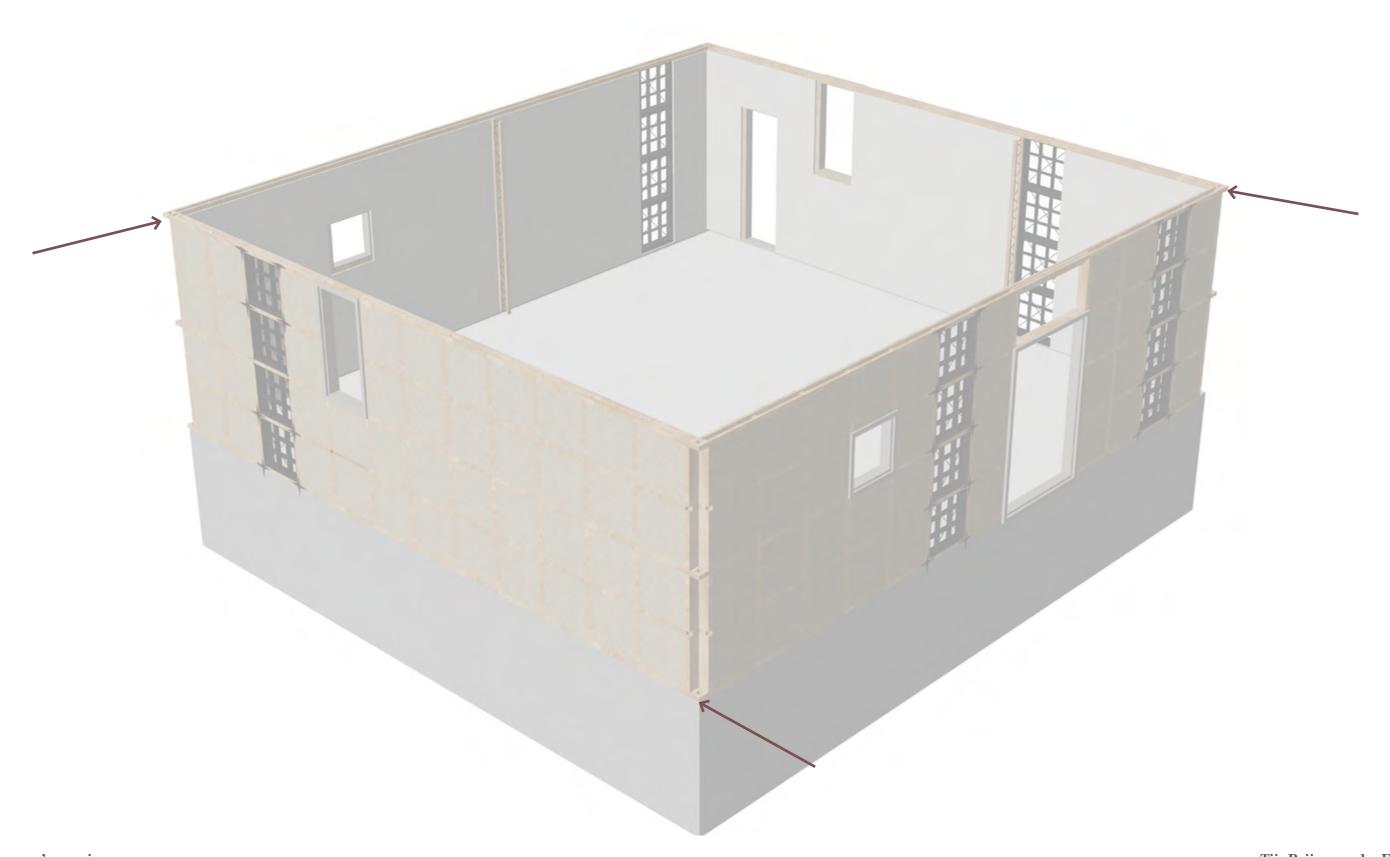






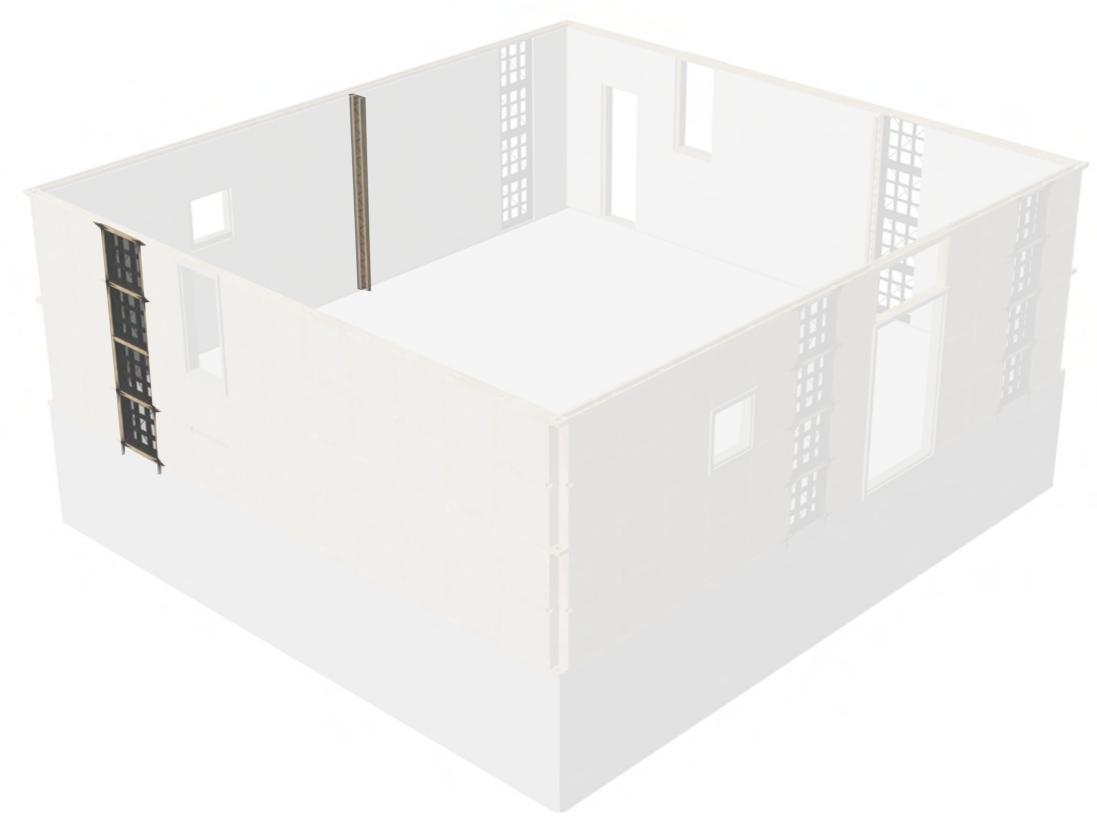
Tijs Reijer van der Eng 158 The layman's mosaic

To Ensure stability...

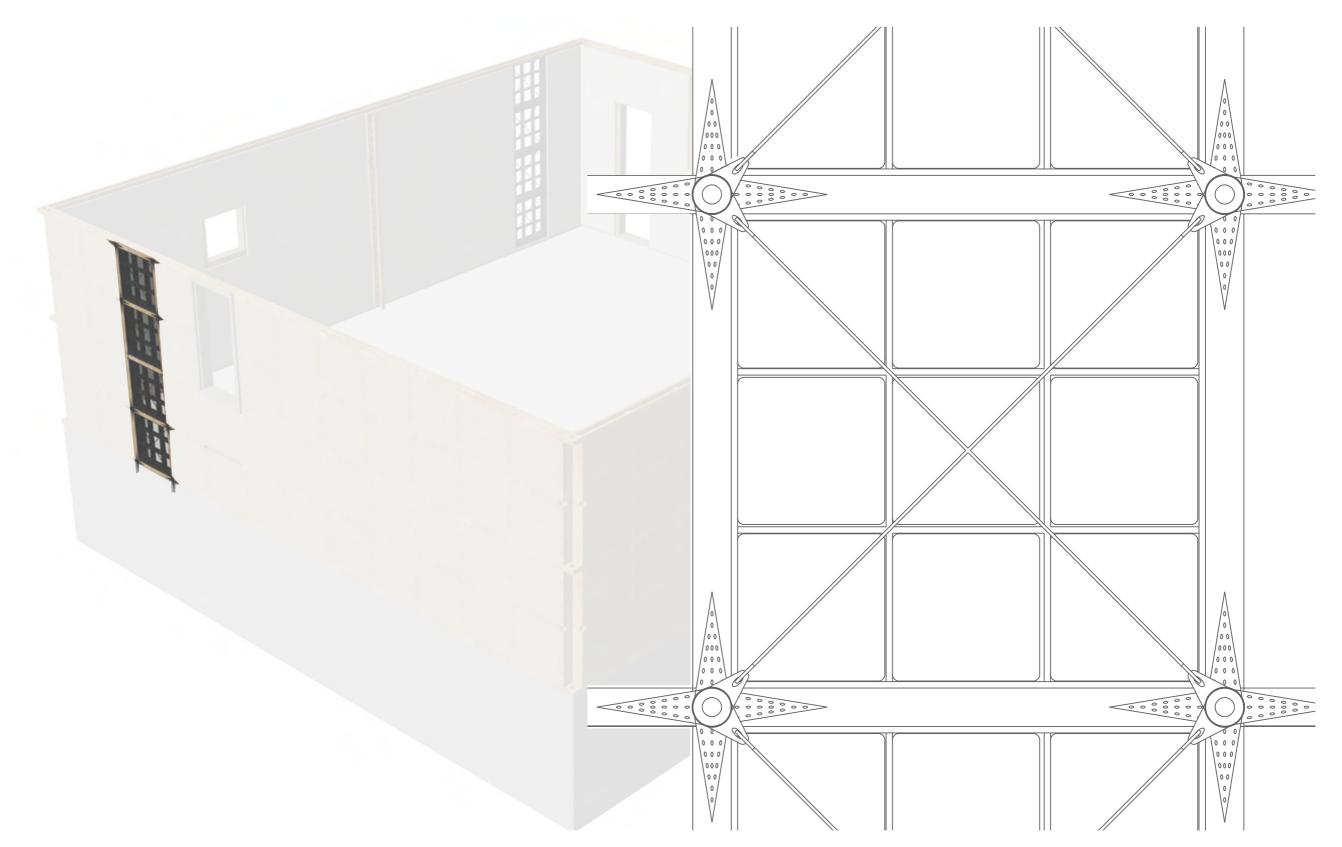


The Tool Kit: Skin Stability

Two systems in place

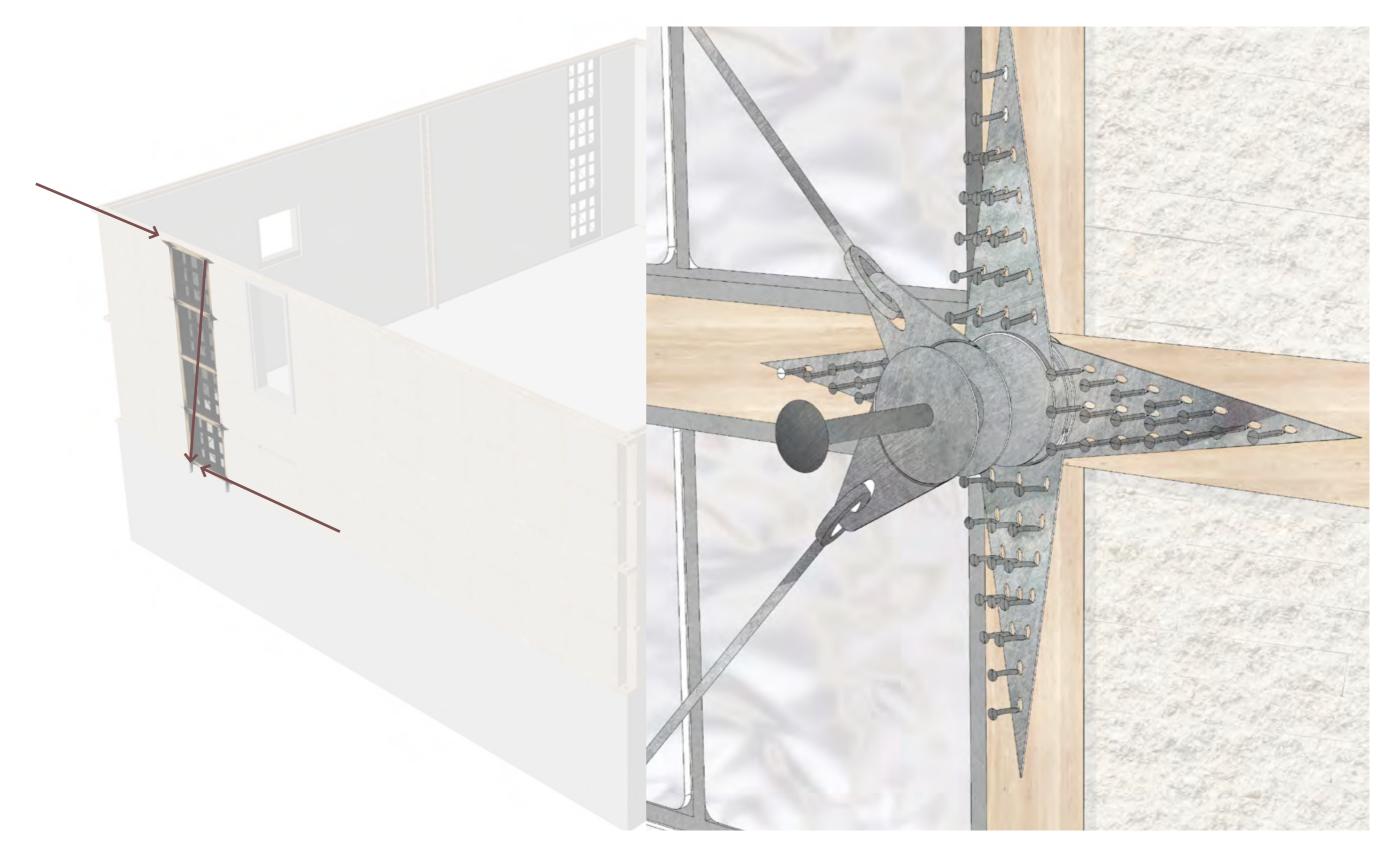


Bracing system



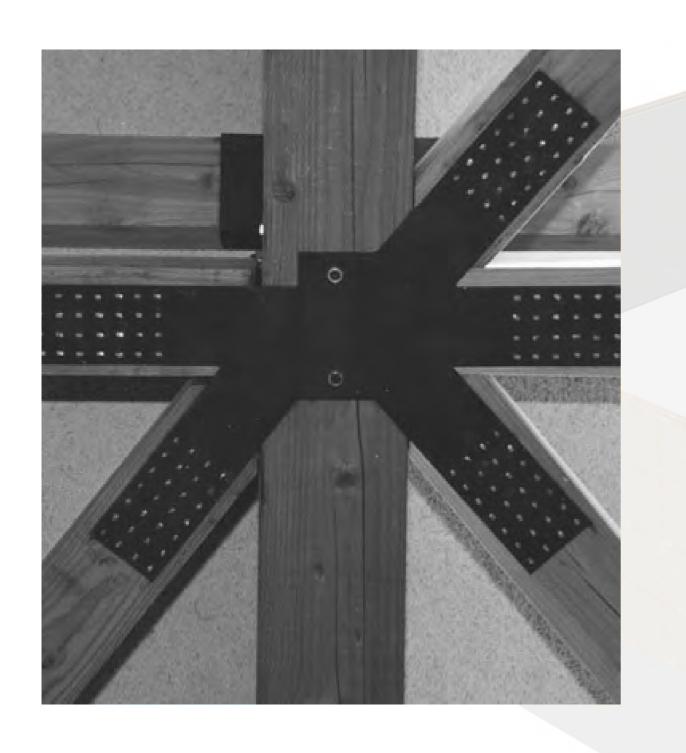
Tijs Reijer van der Eng 161 The layman's mosaic

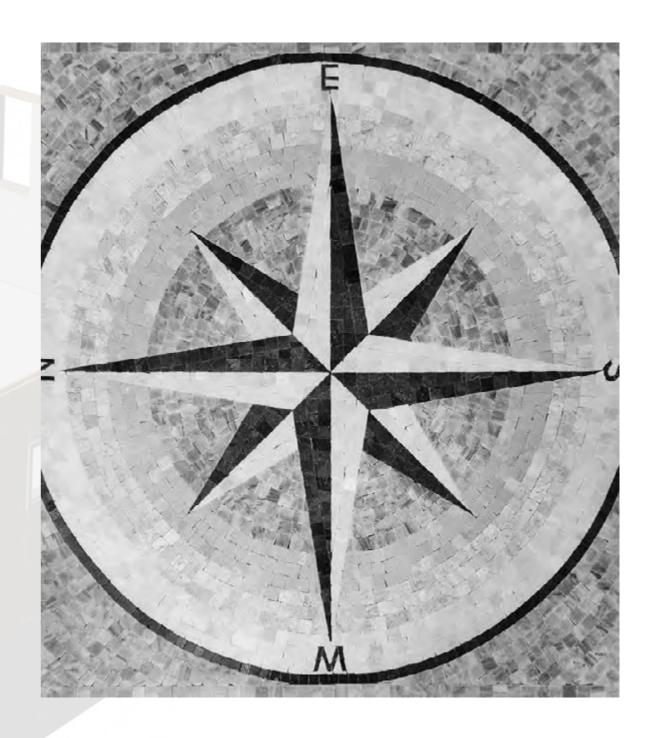
Bracing system



The Tool Kit: Skin Stability

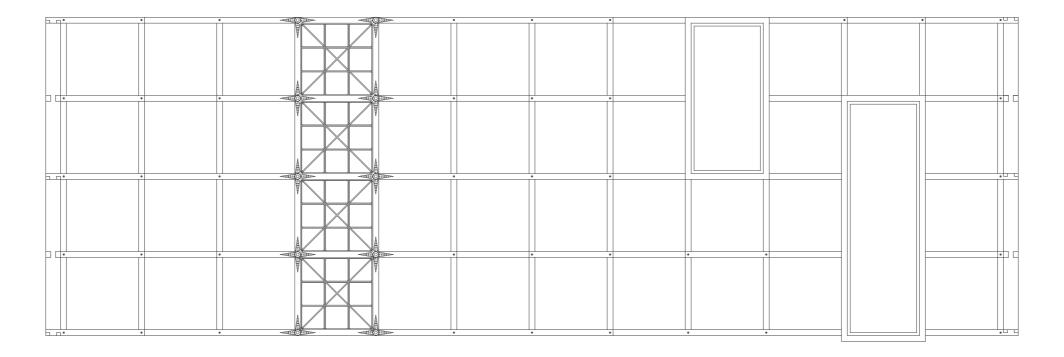
References





The Tool Kit: Skin Recognizability

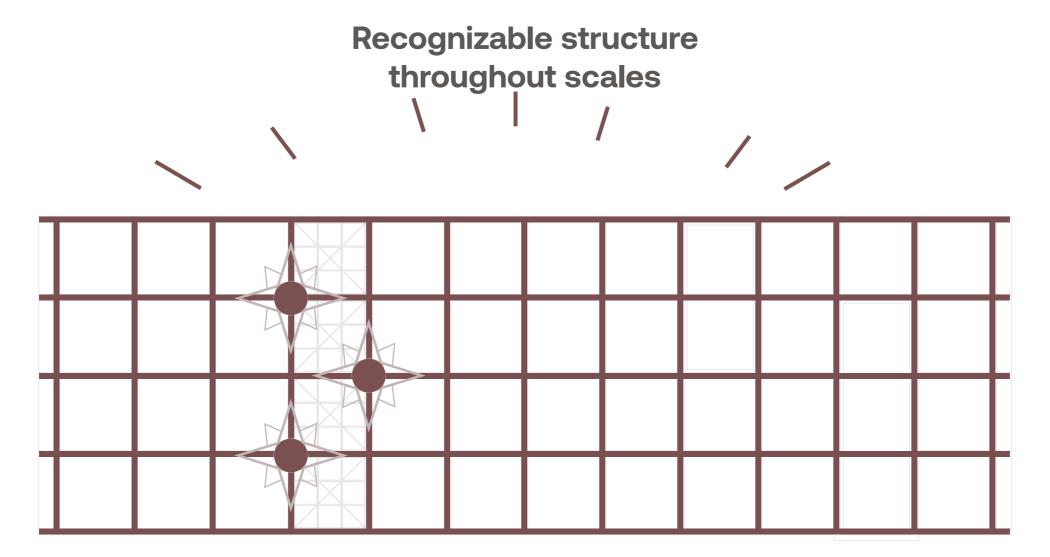
Recognizability



Tijs Reijer van der Eng 164 The layman's mosaic

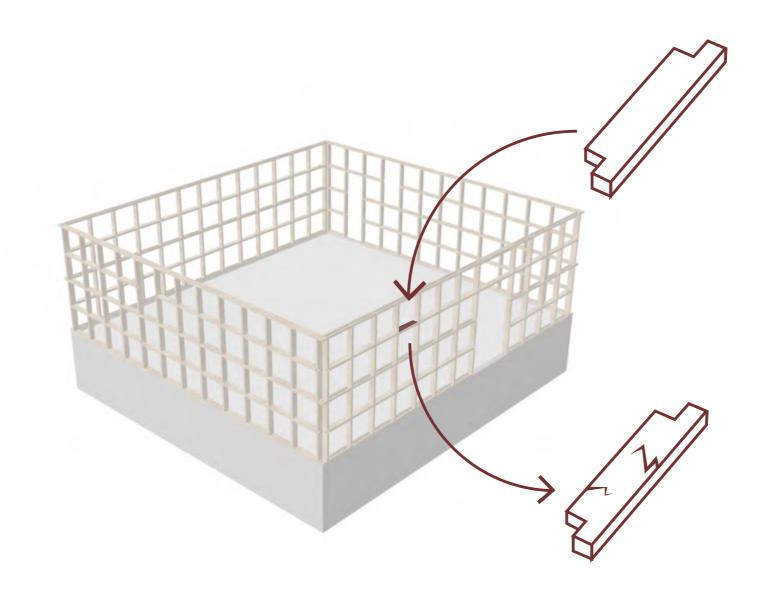
The Tool Kit: Skin

Recognizability



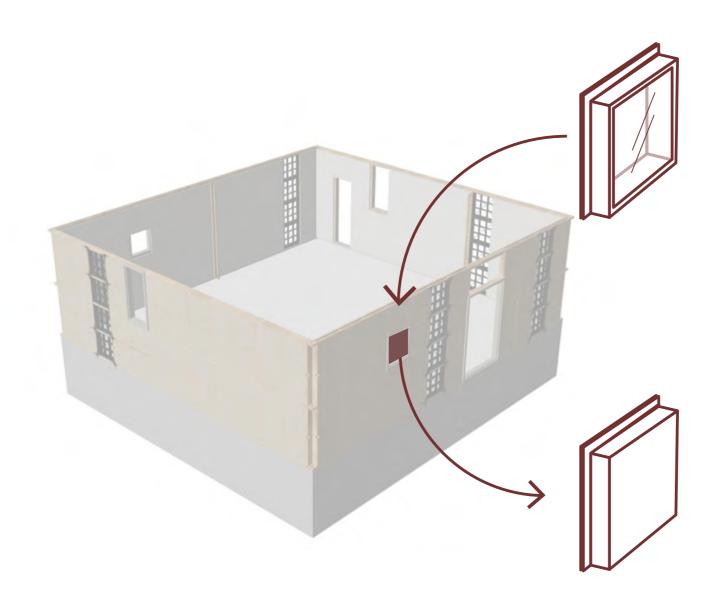
Further possibilities of The Skin

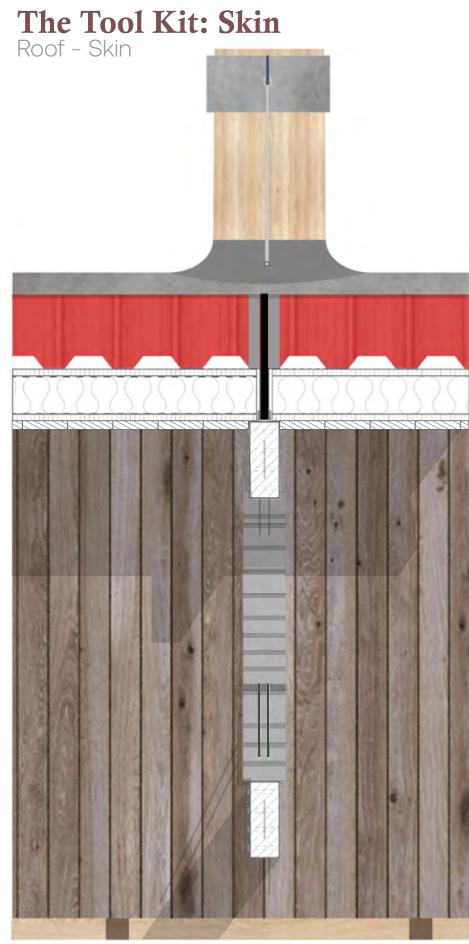
Repair



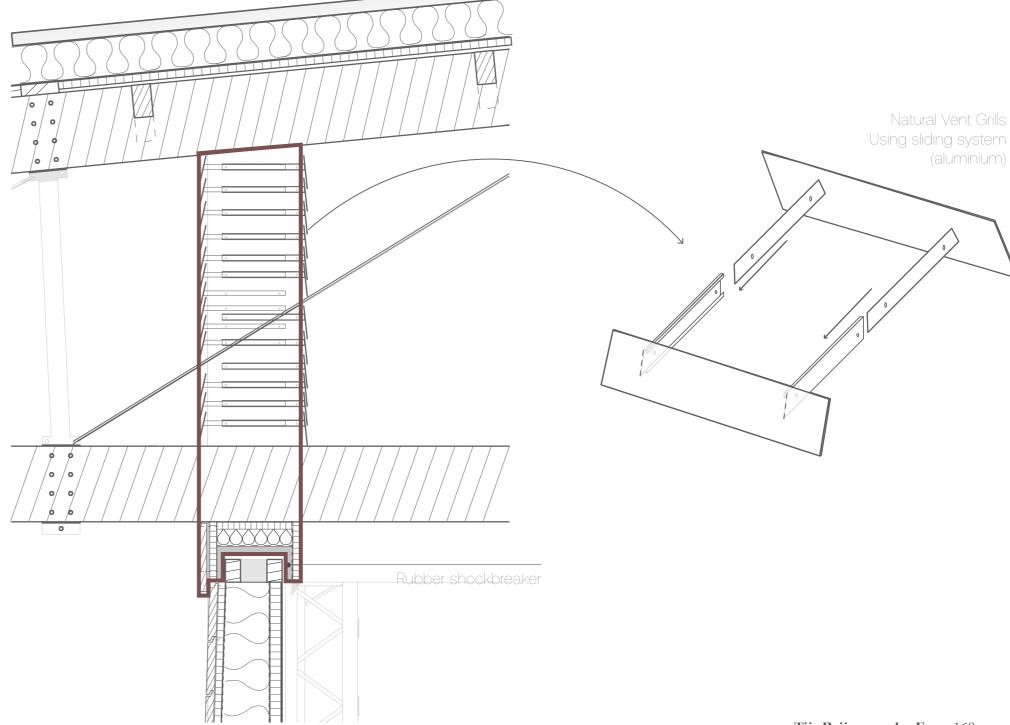
Further possibilities of The Skin

Replacement





"The Skirt"

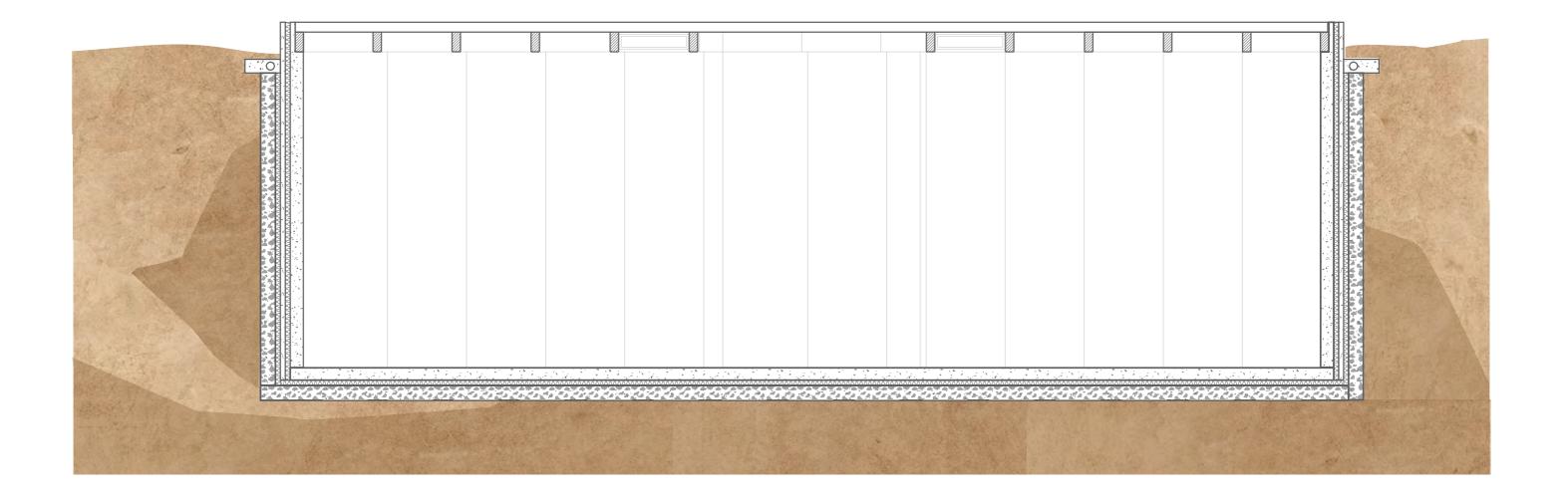


The Final Checklist & The Tool Kit

The (Core) Tool Kit

The Foundation

The Tool Kit: Foundation Introduction



Traditional foundations

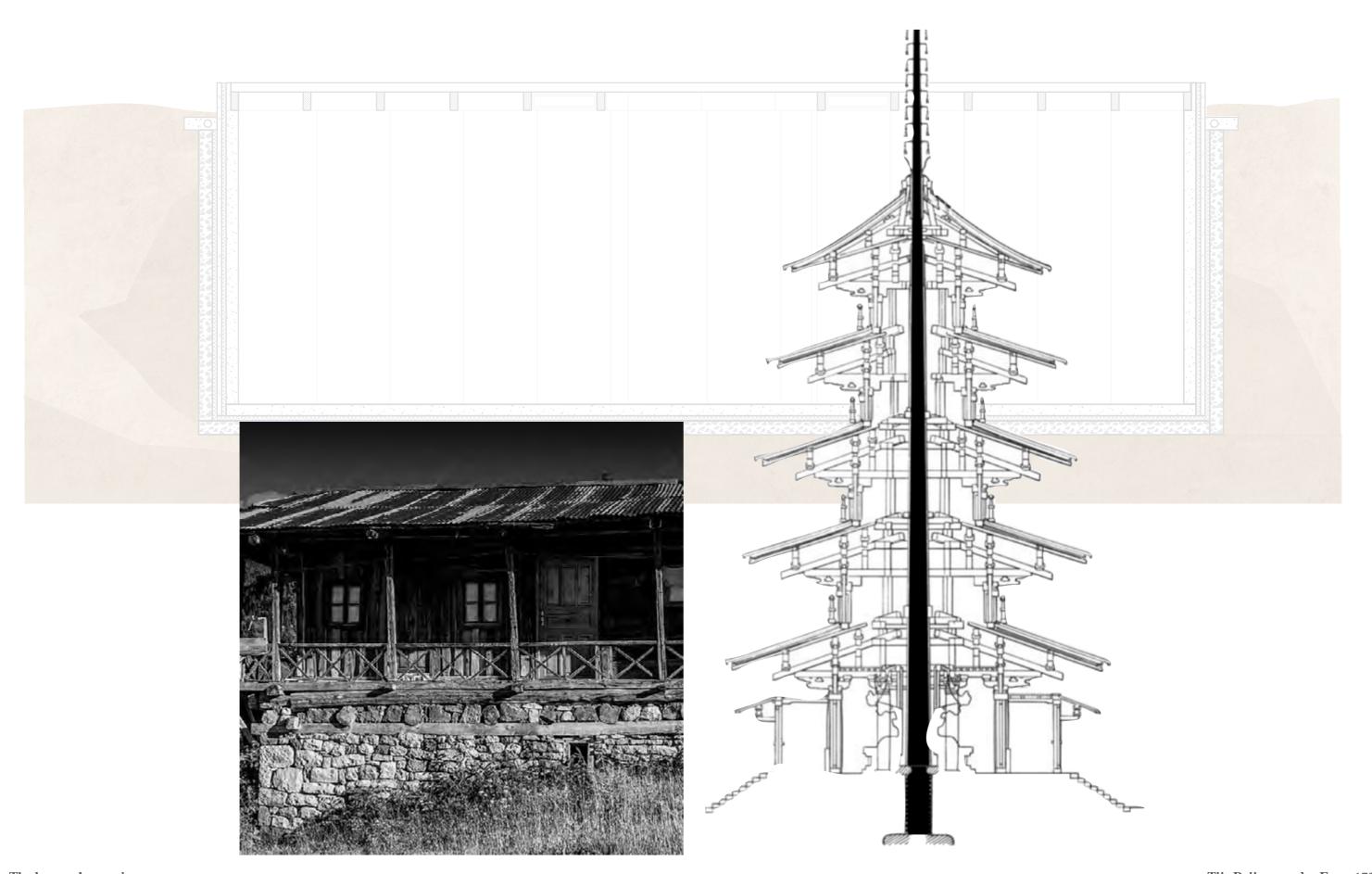




Tijs Reijer van der Eng 171 The layman's mosaic

The Tool Kit: Foundation The References

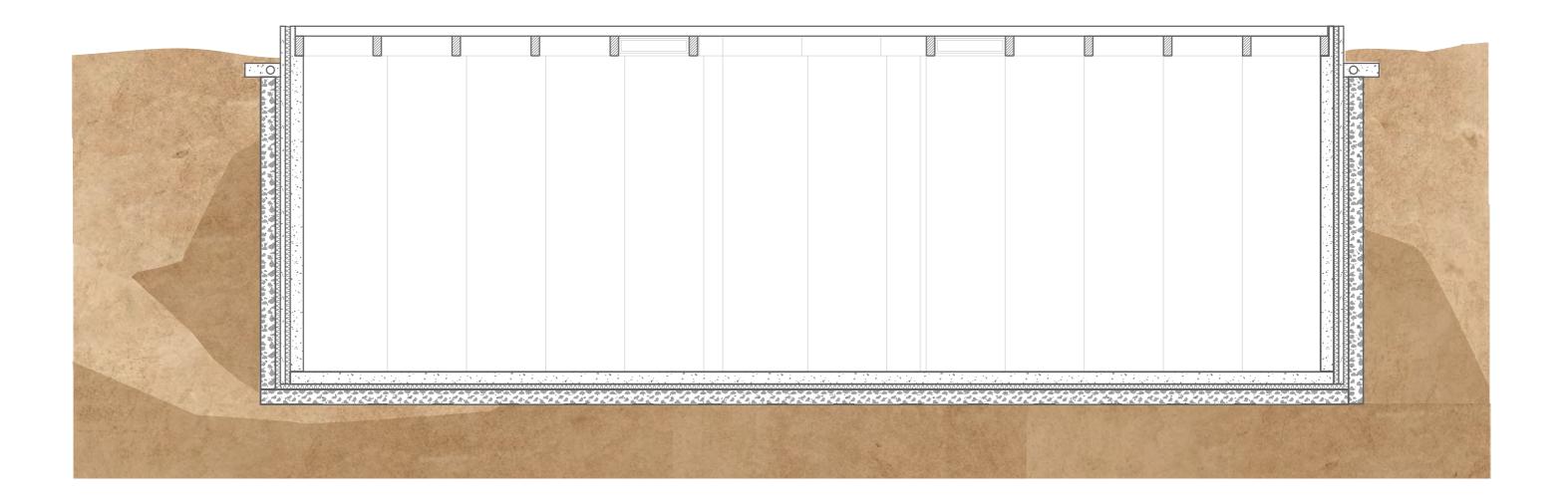
The 5-story Pagoda



Tijs Reijer van der Eng 172 The layman's mosaic

The Tool Kit: Foundation Introduction

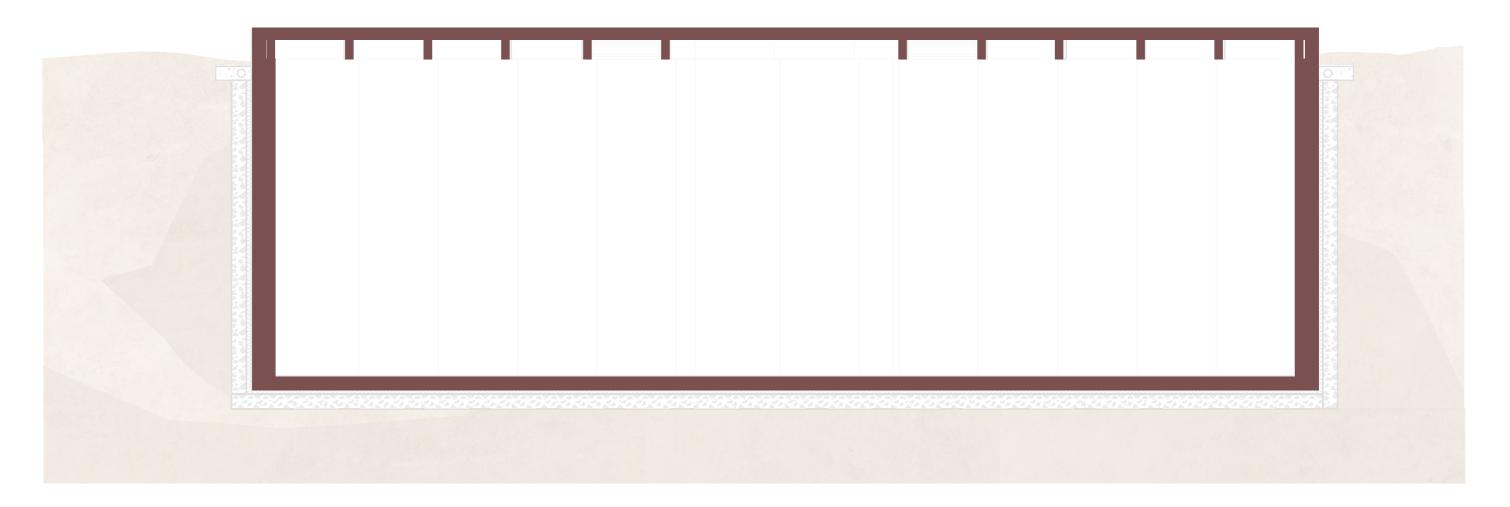
Two Parts



Tijs Reijer van der Eng 173 The layman's mosaic

The Tool Kit: Foundation Introduction

Two Parts



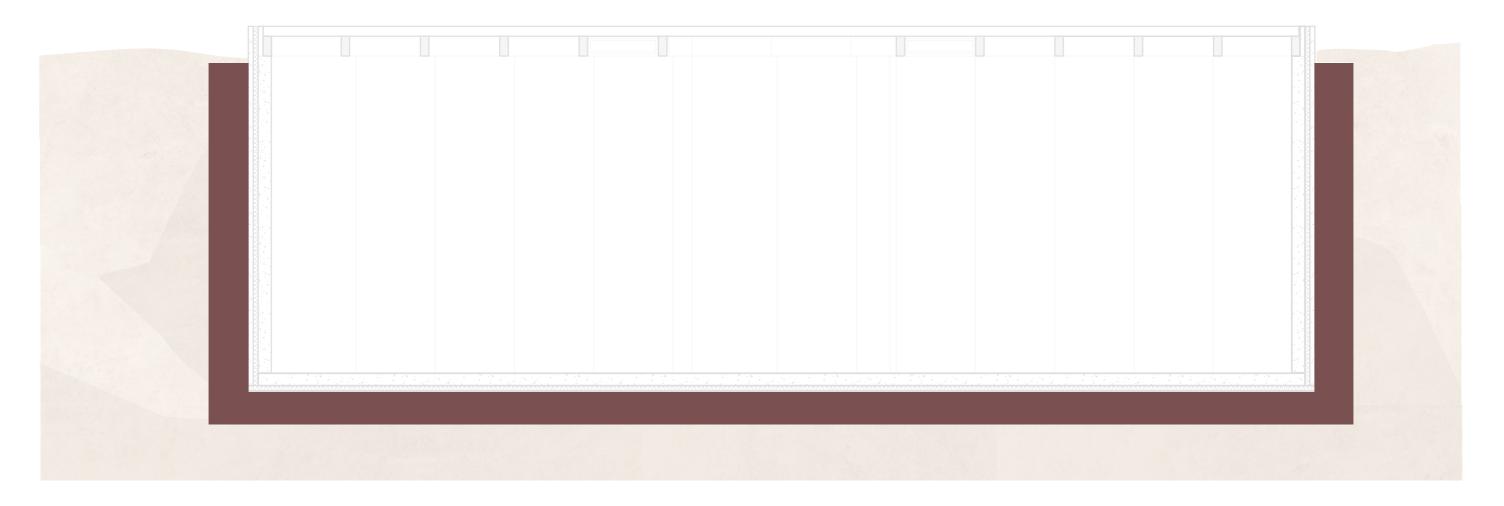
The Basement

Tijs Reijer van der Eng 174 The layman's mosaic

The Tool Kit: Foundation

Introduction

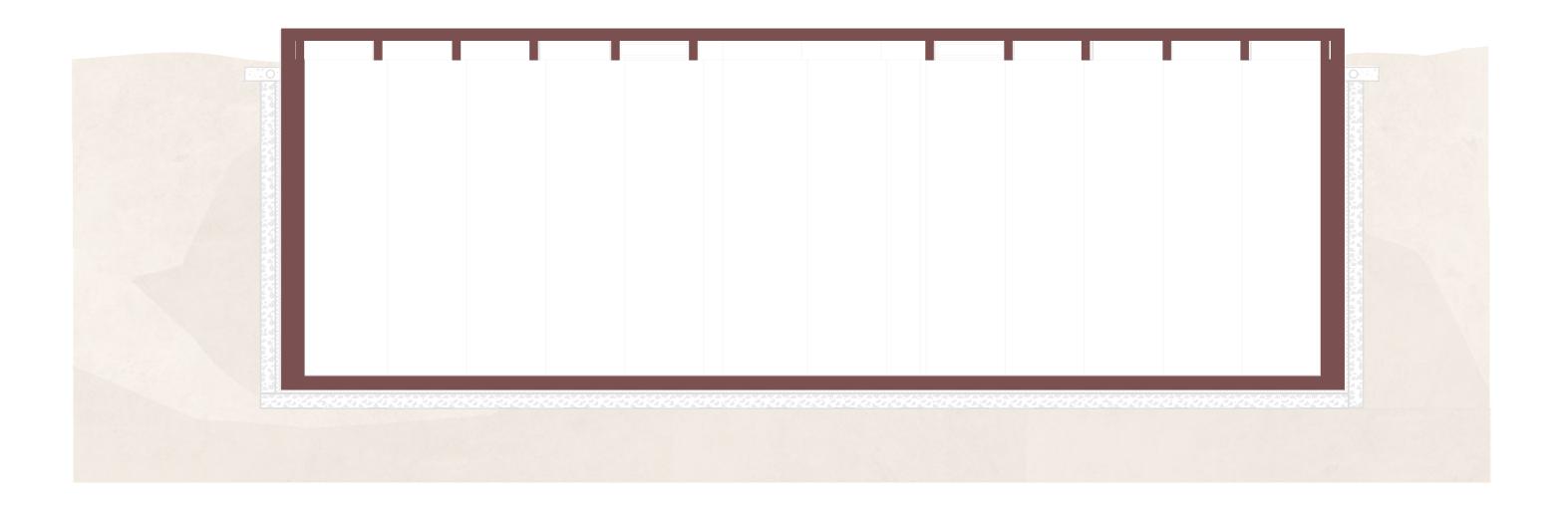
Two Parts



Additional Foundation

The Tool Kit: Foundation Introduction

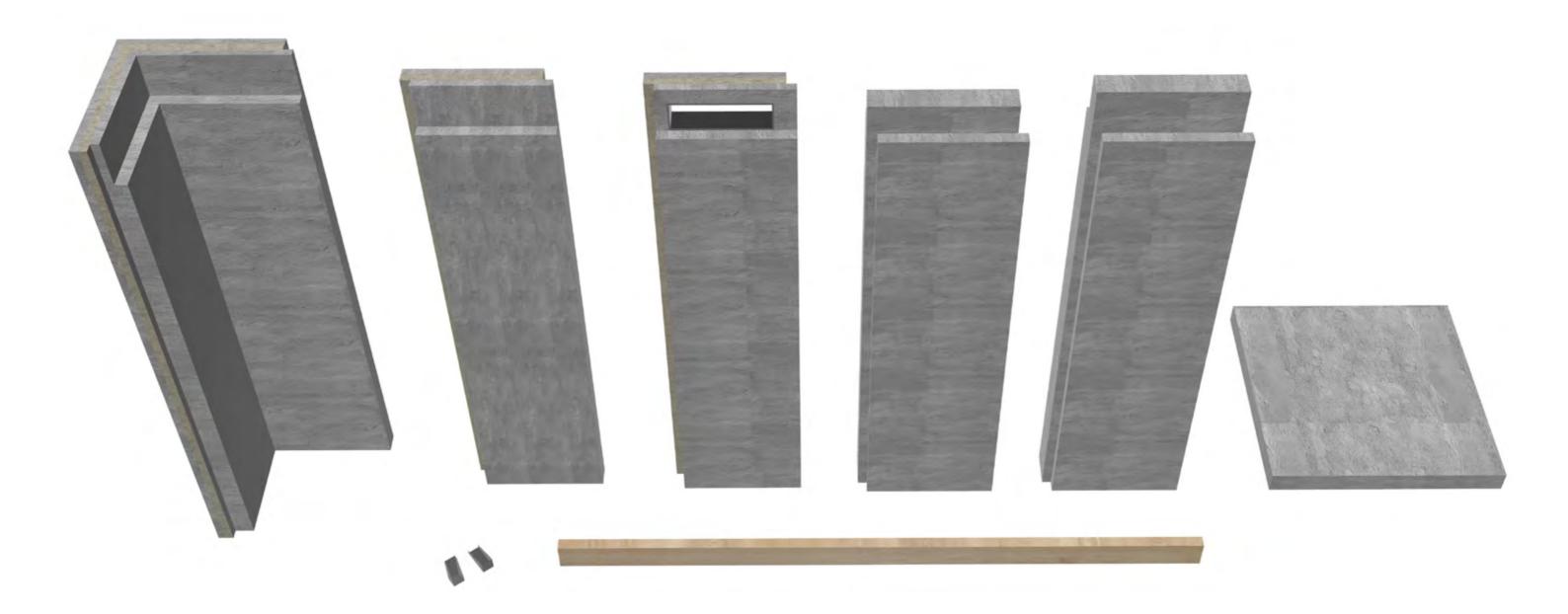
The Basement



Tijs Reijer van der Eng 176 The layman's mosaic

The Tool Kit: Foundation The Basement

Tool Kit Parts



The Tool Kit: Foundation

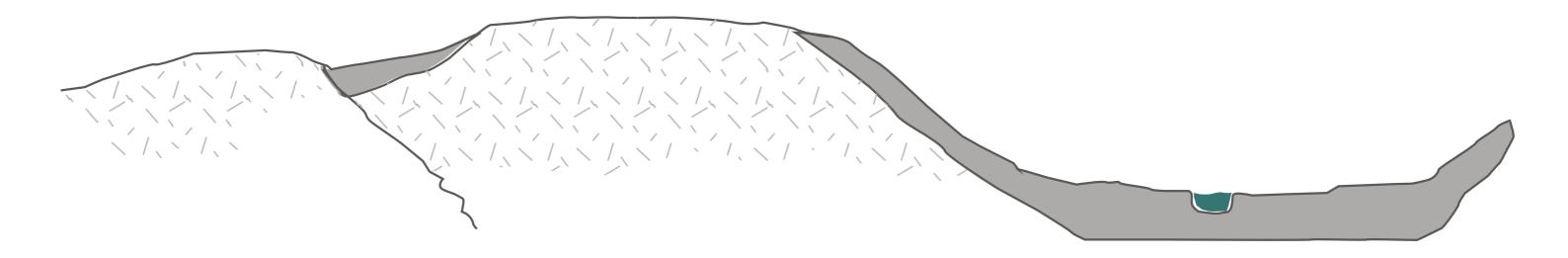
Additional Foundation

Additional Foundation



The Tool Kit: Foundation Additional Foundation

Soil Types

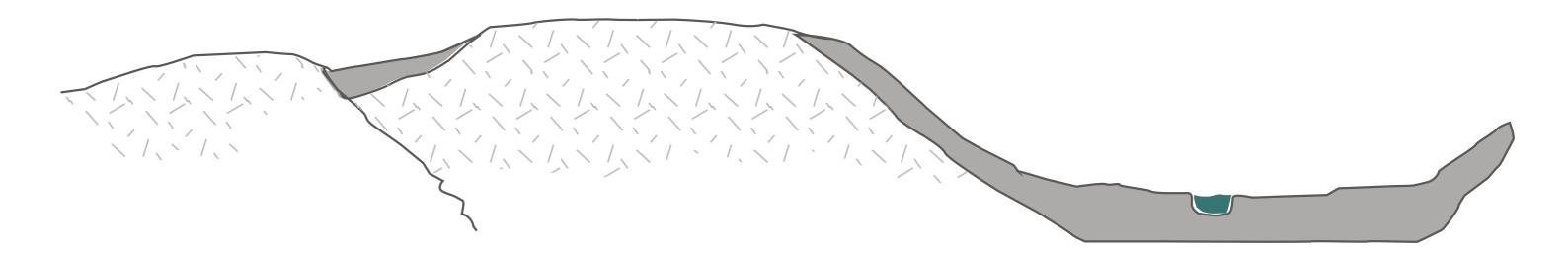


Tijs Reijer van der Eng 179 The layman's mosaic

The Tool Kit: Foundation Additional Foundation

Soil Types

UPLAND (Dilluvial Soil)

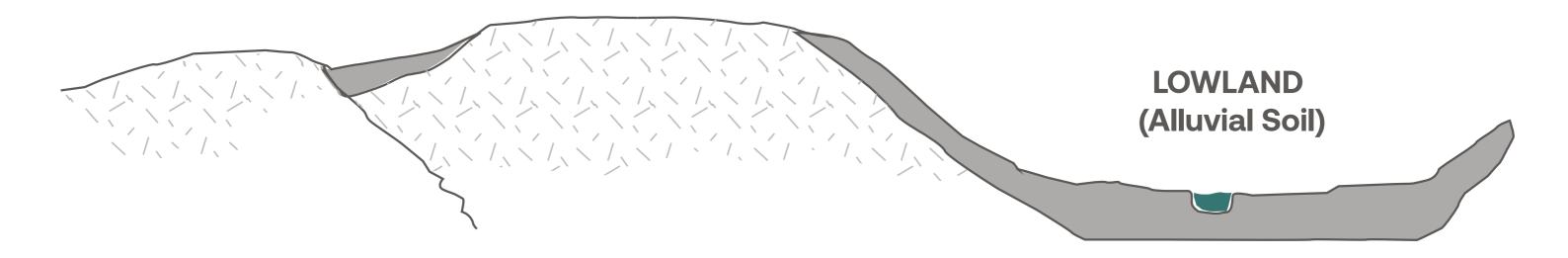


Formed by rock

Tijs Reijer van der Eng 180 The layman's mosaic

The Tool Kit: Foundation Additional Foundation

Soil Types

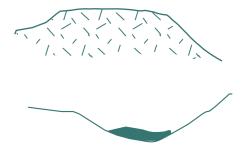


Formed by water

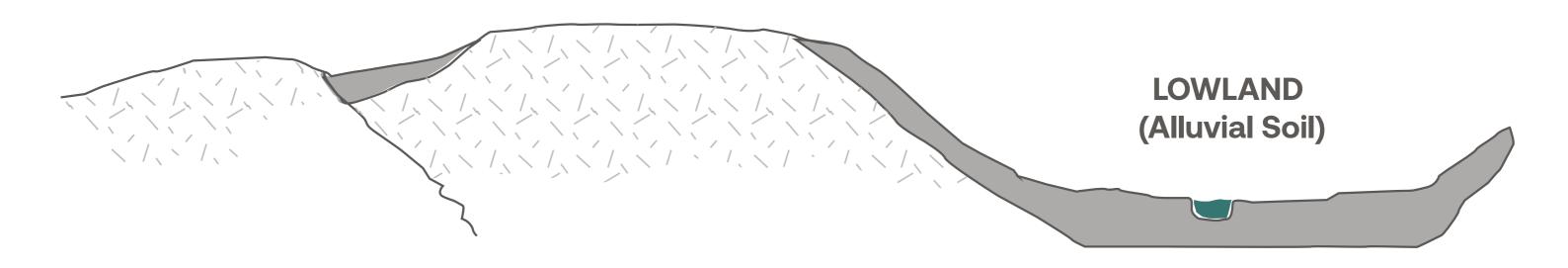
The layman's mosaic Tijs Reijer van der Eng 181

The Tool Kit: Foundation

Additional Foundation

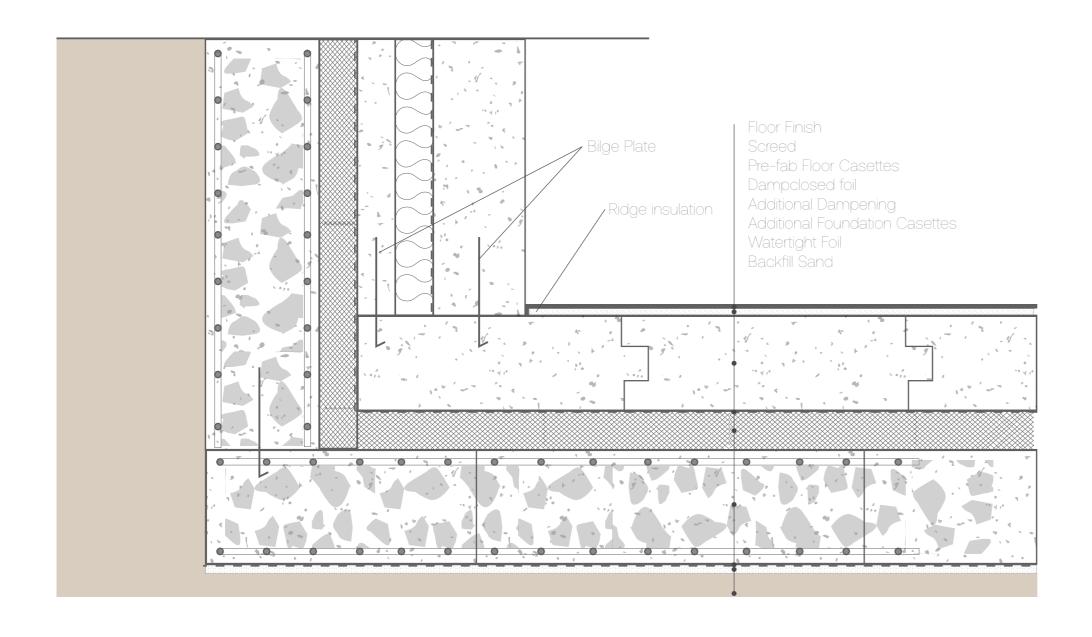


UPLAND (Dilluvial Soil)



More Alluvial = More additional foundation

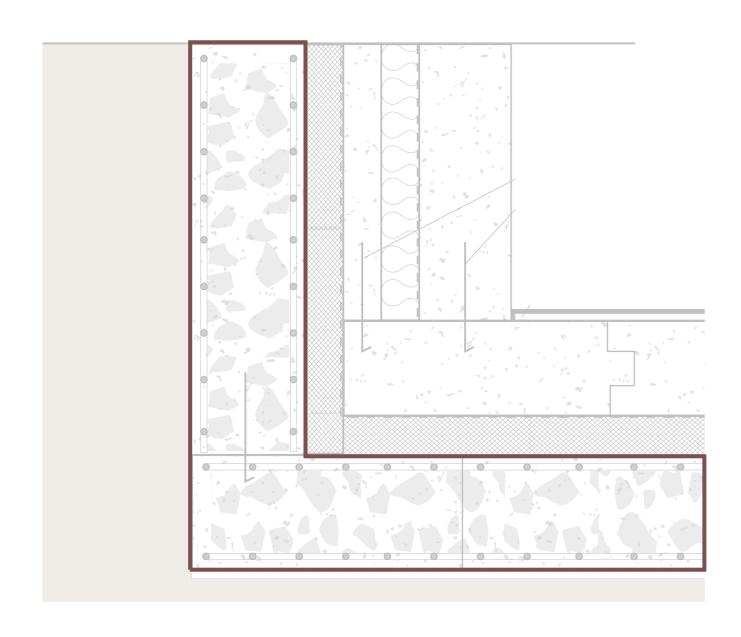
Proposed Build-up



Tijs Reijer van der Eng 183 The layman's mosaic

The Tool Kit: Foundation Additional Foundation

Exo-Reinforced Concrete



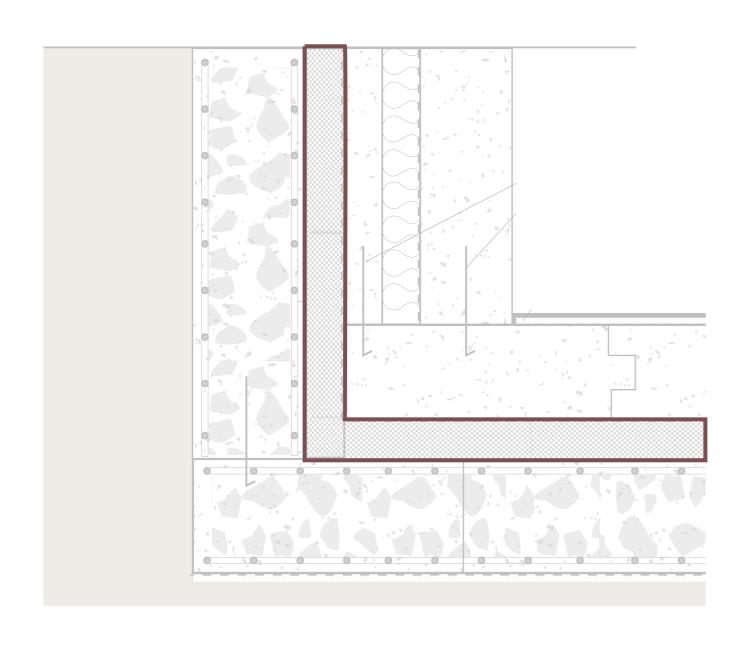




Tijs Reijer van der Eng 184 The layman's mosaic

The Tool Kit: Foundation Additional Foundation

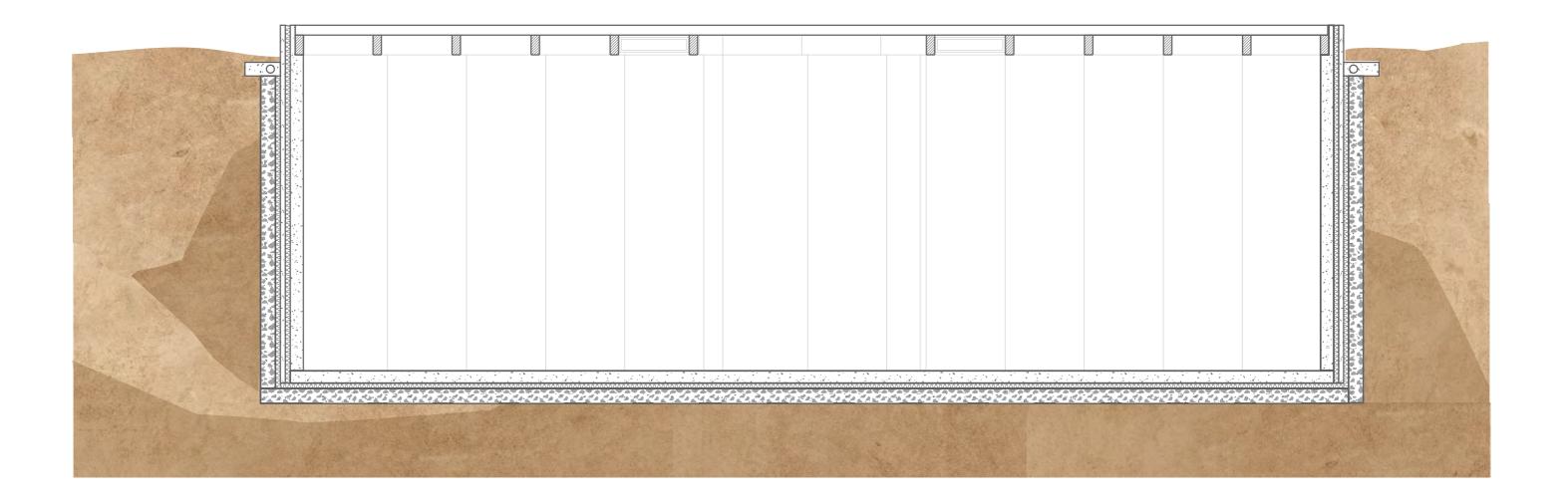
Additional Dampening





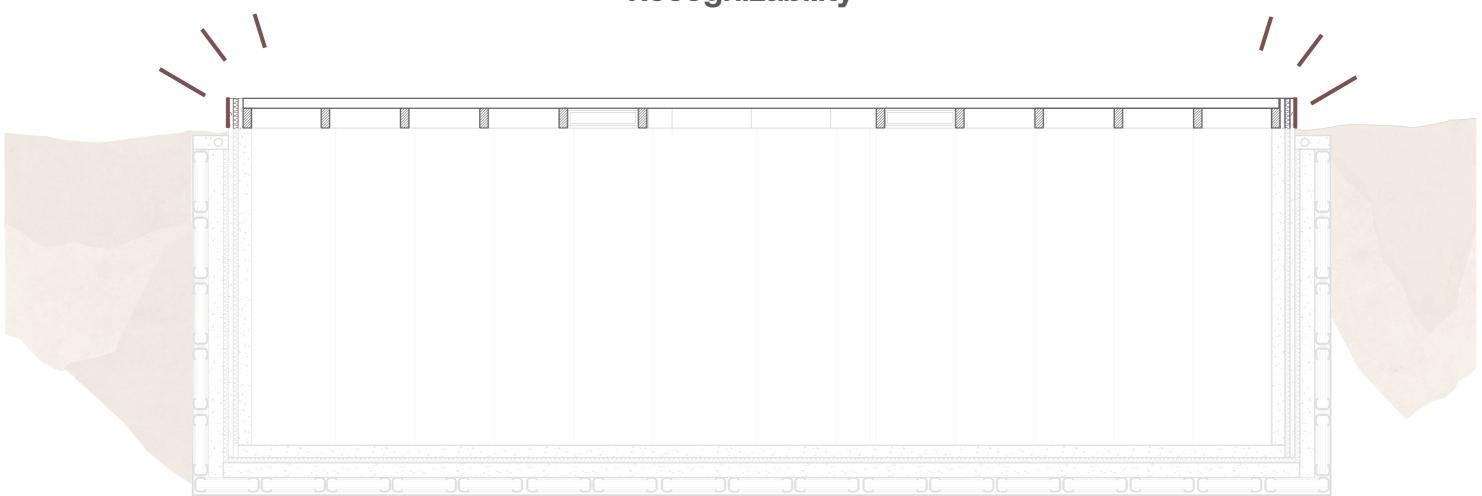
Tijs Reijer van der Eng 185 The layman's mosaic

Recognizability



Tijs Reijer van der Eng 186 The layman's mosaic





Tijs Reijer van der Eng 187 The layman's mosaic

Local-made Mozaic Finish





The layman's mosaic Tijs Reijer van der Eng 188

...Referencing the local legacy



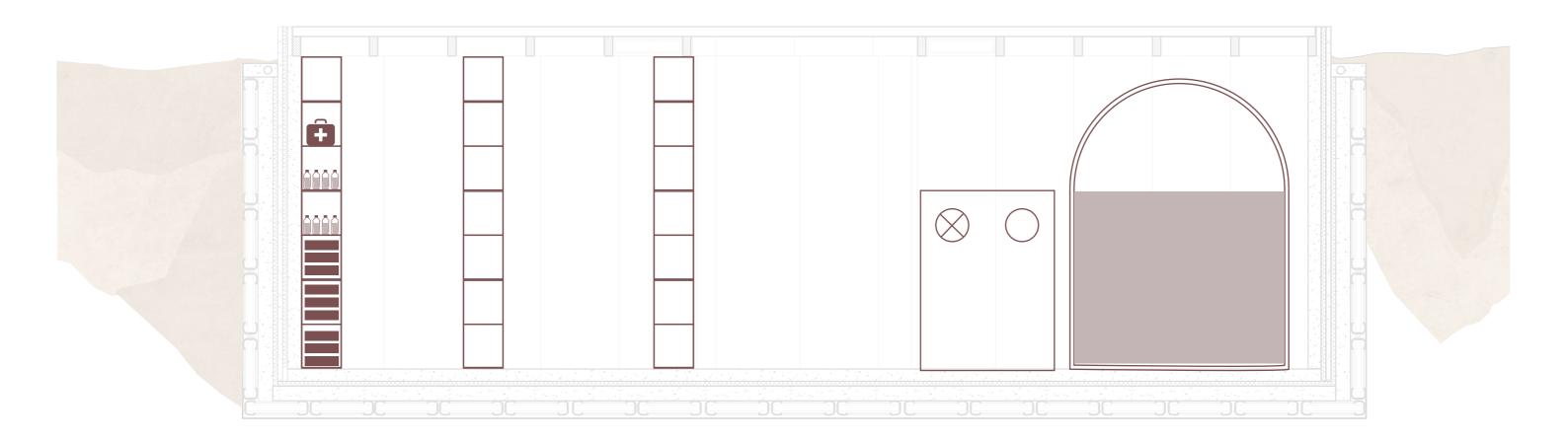
Tijs Reijer van der Eng 189 The layman's mosaic

The Tool Kit: Foundation

Additions

Further possibilities of The Foundation

Storage and Tech

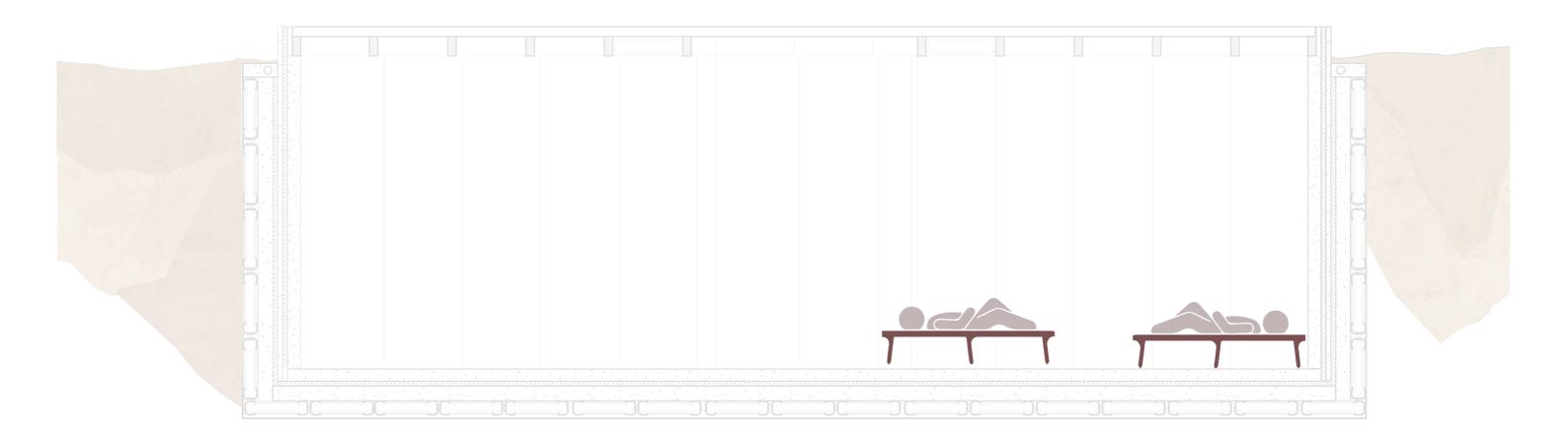


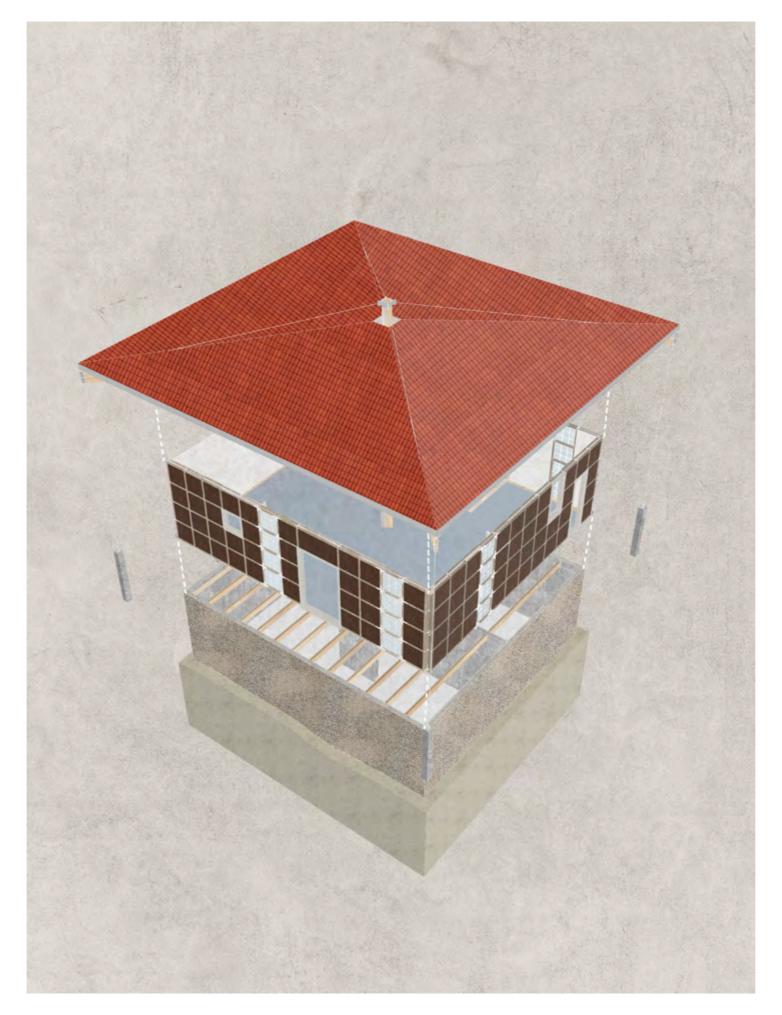
The Tool Kit: Foundation

Additions

Further possibilities of The Foundation

Shelter





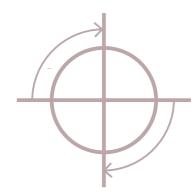
1. Three-Part Research

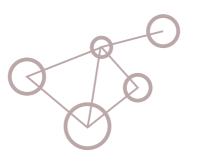


The production of Spaces of Gathering

The establishment of a network

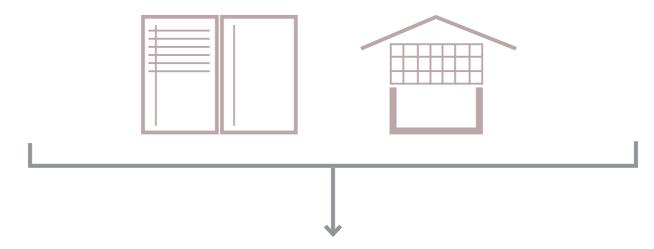
Architecture as a typologydefining tool







2. The Checklist of Requirements & The **Tool kit**



3. The Proposed Design



The Proposed Design

COMPASS no. 1

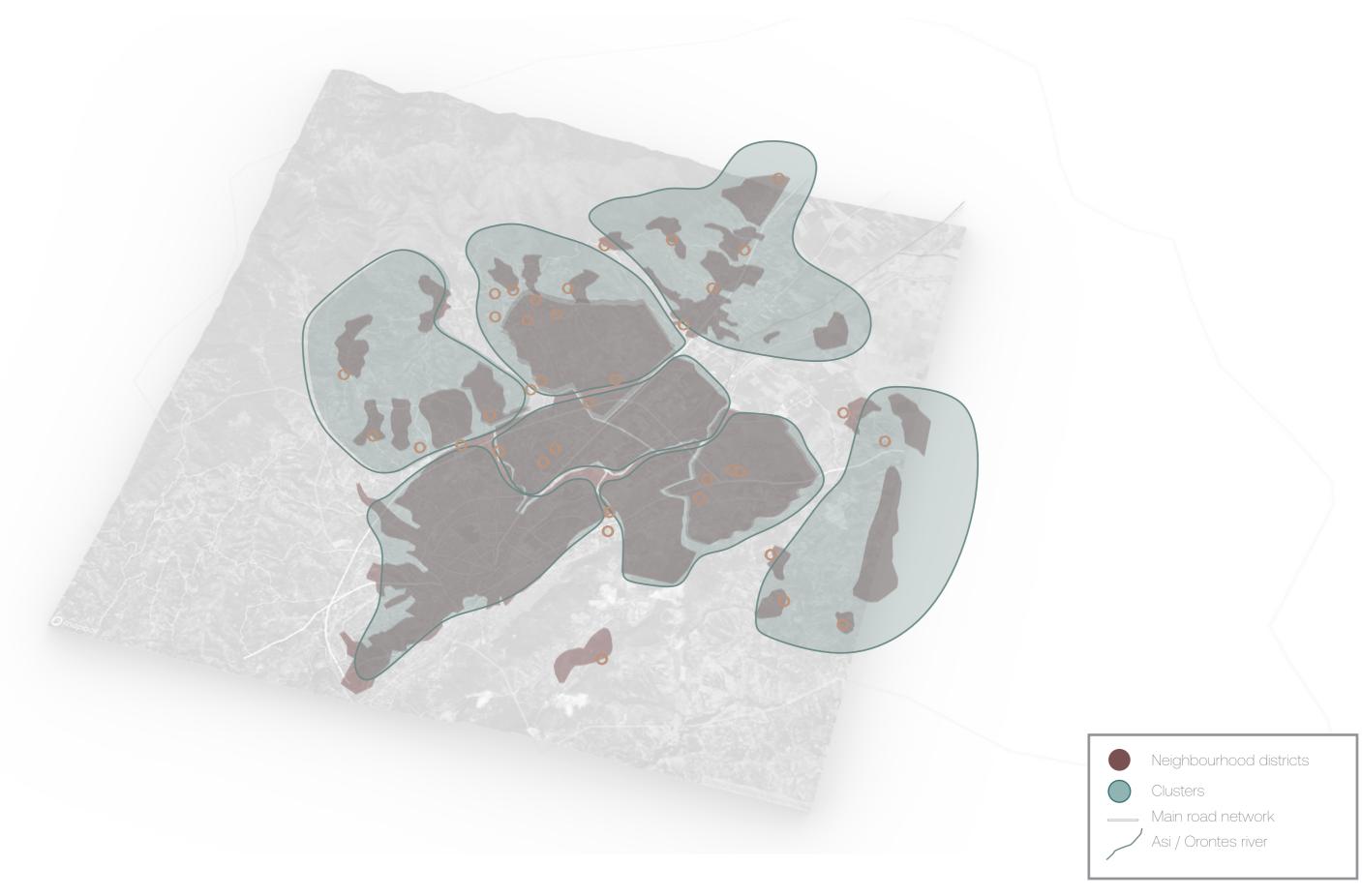
IMPORTANT NOTE

This proposal is not meant to be the 'ideal' solution

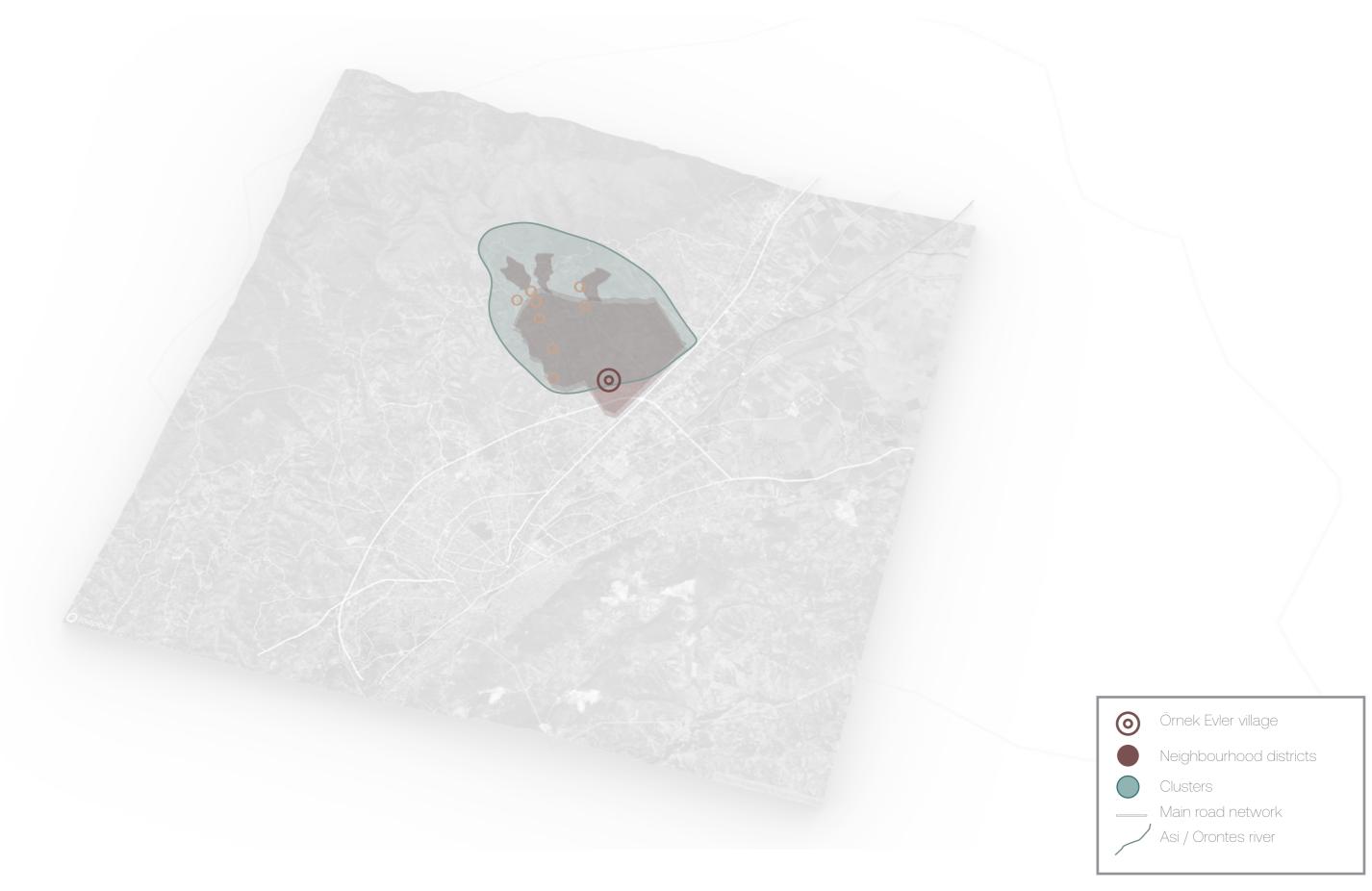
Needs might change over time

This is a mere example of how such a complex could grow

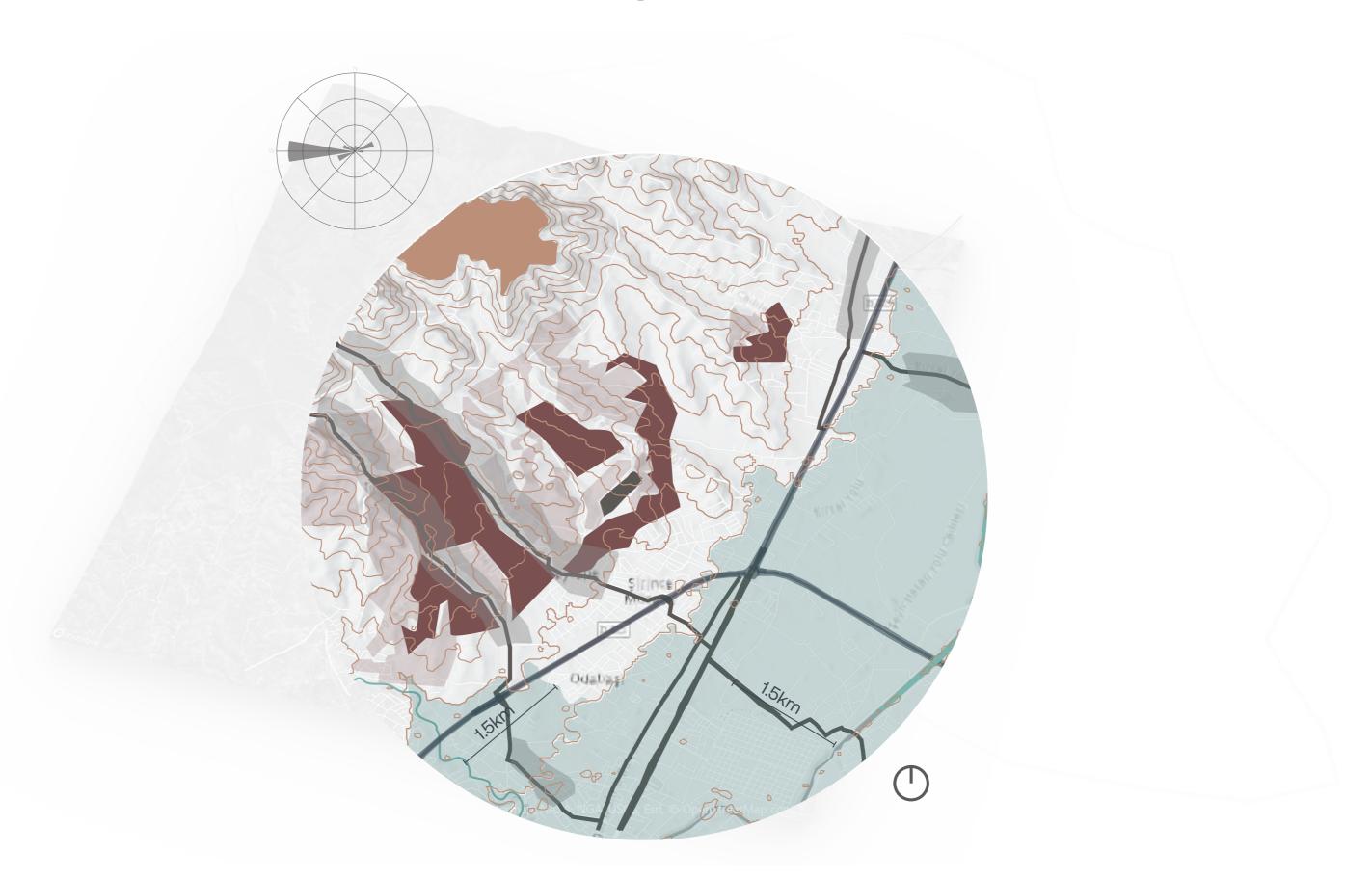
Site Determination



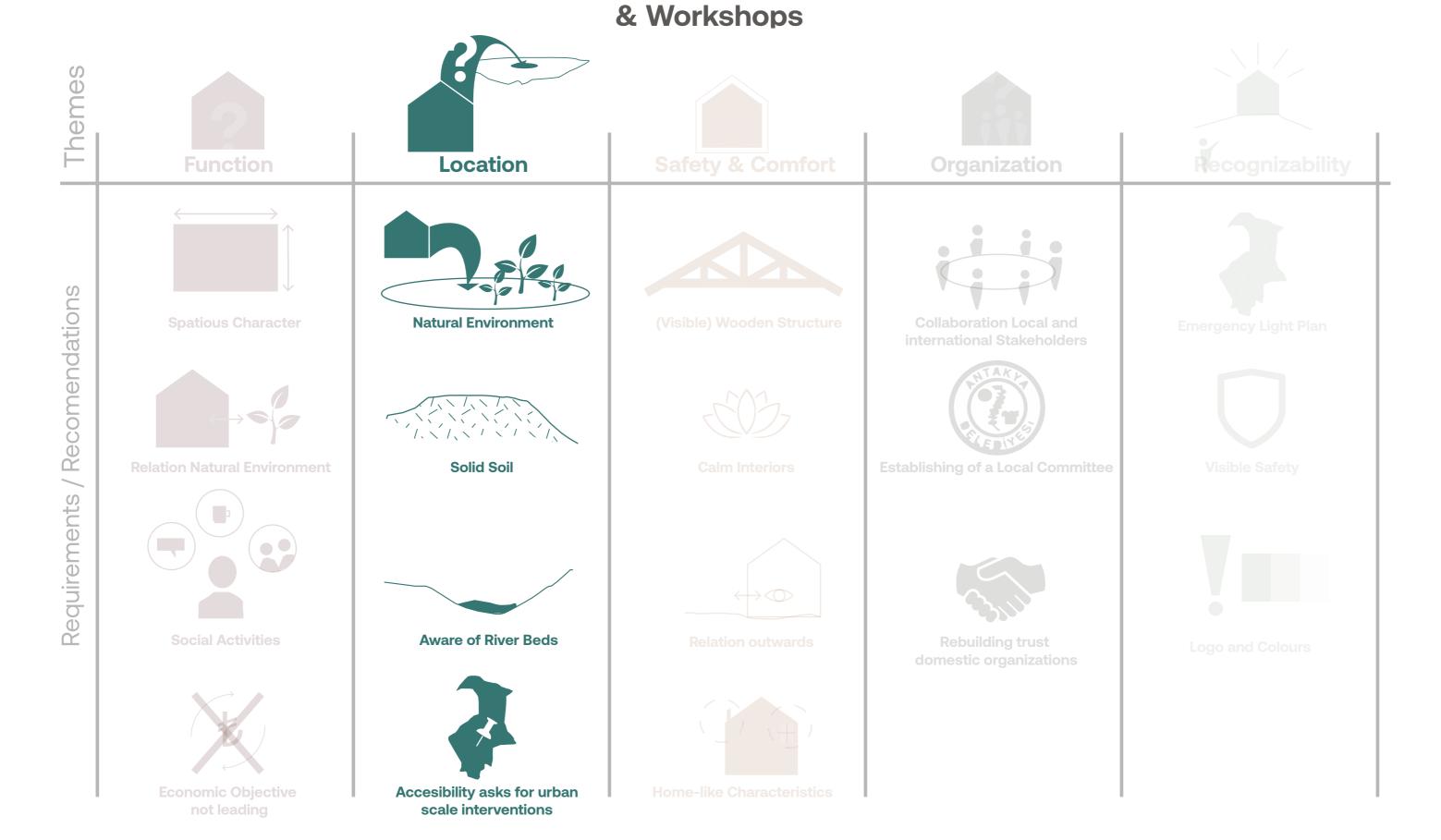
Focussed Cluster



Preliminary Research



Compass no. 1



The layman's mosaic Tijs Reijer van der Eng 199

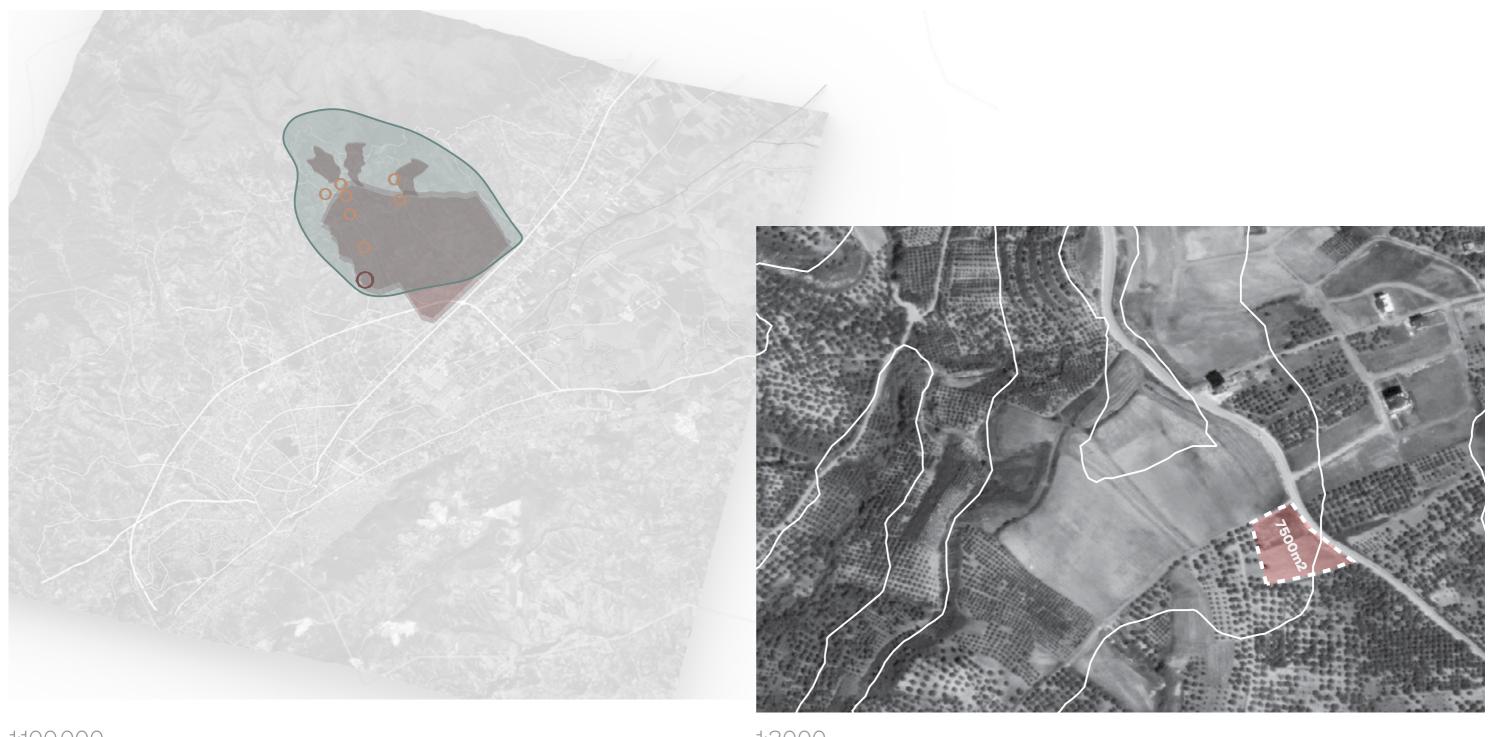
Chosen Site



1:100.000

Chosen Site



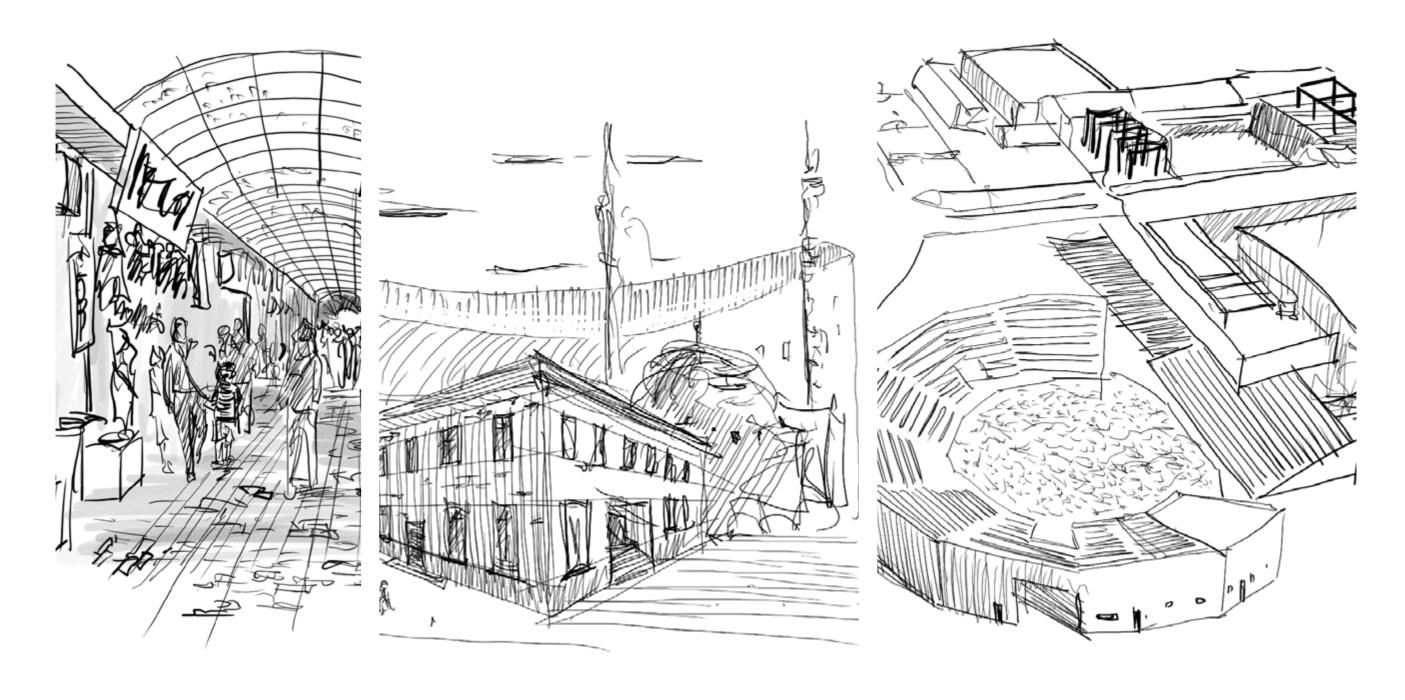


1:100.000 1:3000



Function Determination

Preliminary Research



Themes Organization Location **Function** Requirements / Recomendations **Spatious Character Natural Environment Collaboration Local and Relation Natural Environment Establishing of a Local Committee Social Activities Aware of River Beds Rebuilding trust Economic Objective** Accesibility asks for urban not leading

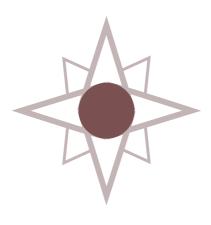
Workshops

Compass no. 1 Functions

Proposed Functions

Çekirdeği

The Core



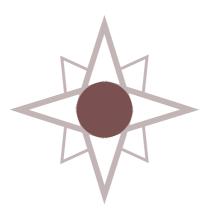


Çekirdeği

Salon

The Core

Communal Living Room







Çekirdeği Salon Çay Bahçesi The Core Tea Garden Communal Living Room

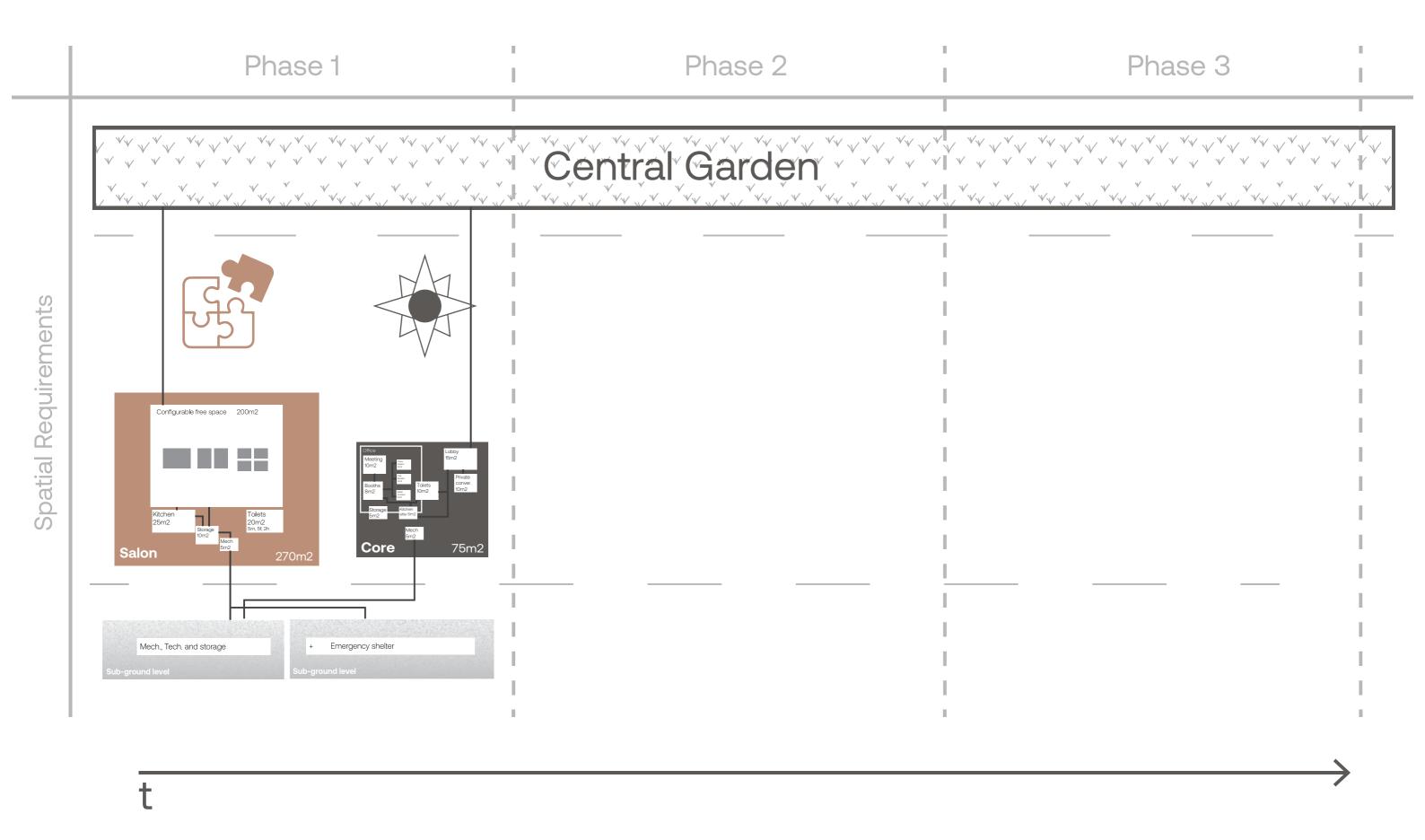
Çekirdeği
Salon
Çay Bahçesi
Darüşşifa

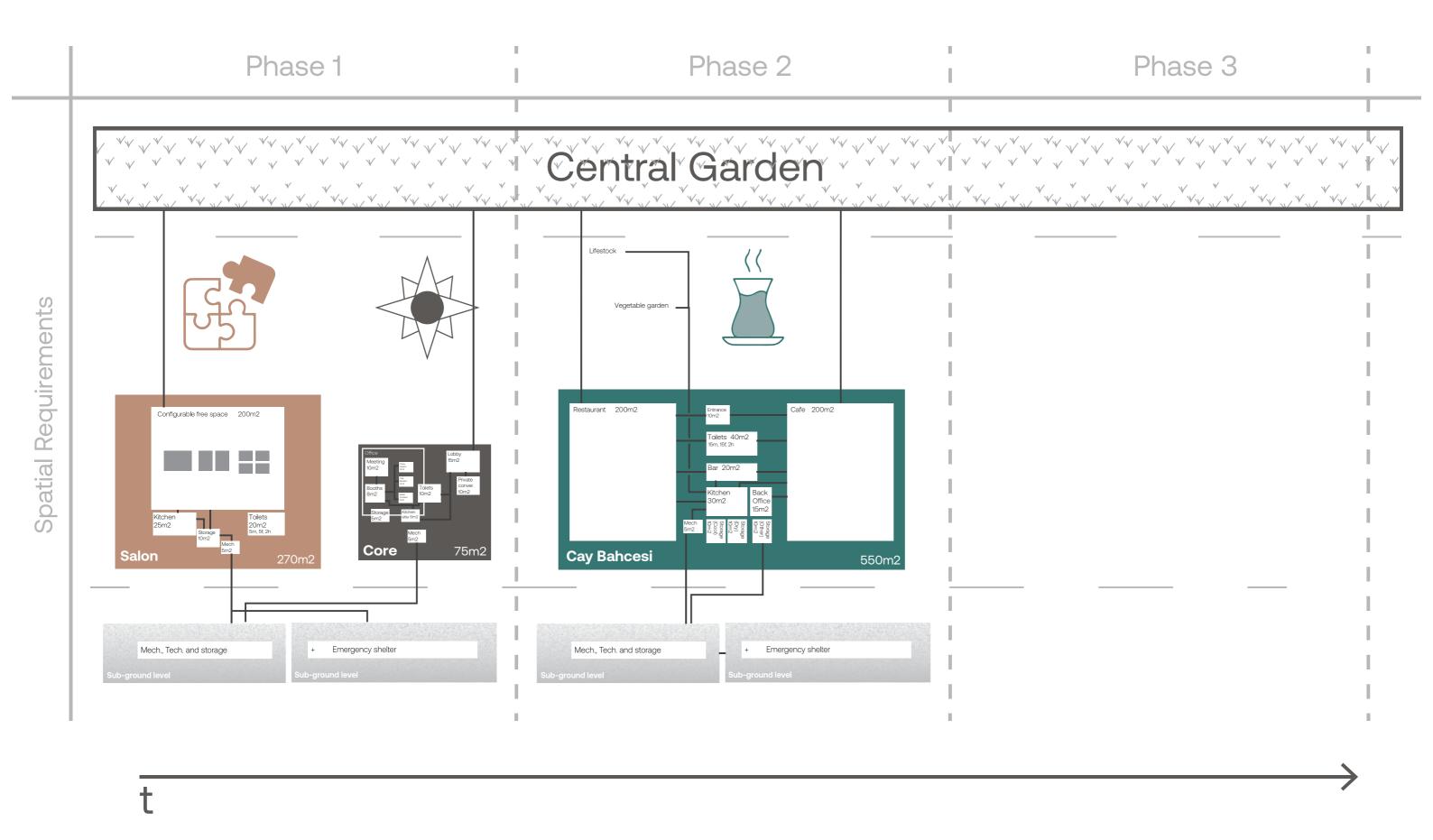
The Core
Communal Living Room
Tea Garden
Health Centre

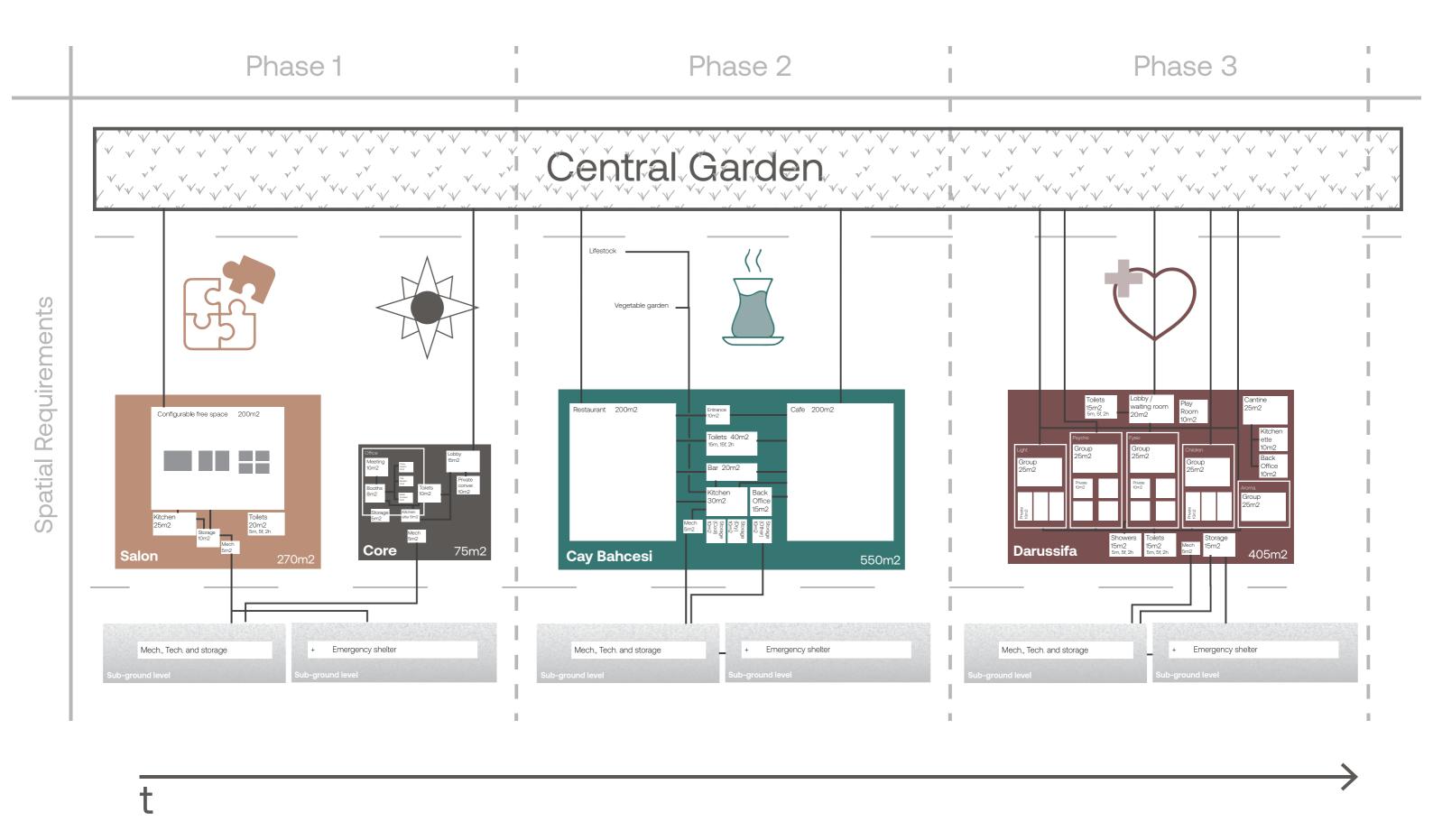
Compass no. 1 Zoning Plan and Phasing

Phase 1	Phase 2	Phase 3
	I .	
	I .	I
	I .	I .
	I	I I
	I	i i
		· .

	Phase 1	Phase 2	Phase 3
		Central Garden	
Requirements			
Spatial Rec			







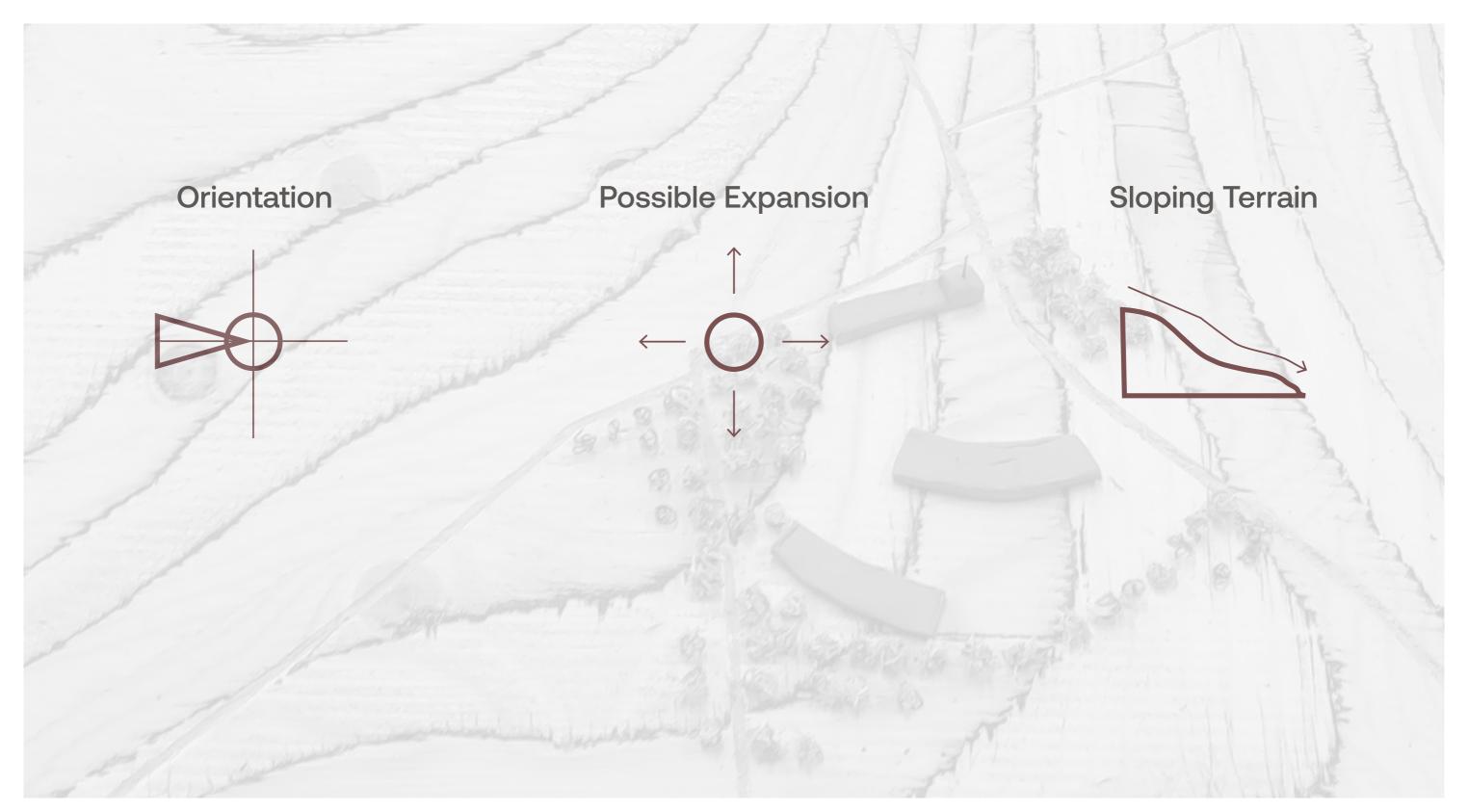
Compass no. 1 Mass Study

For the initial mass study, taking into consideration:



Compass no. 1 Mass Study

For the initial mass study, taking into consideration:



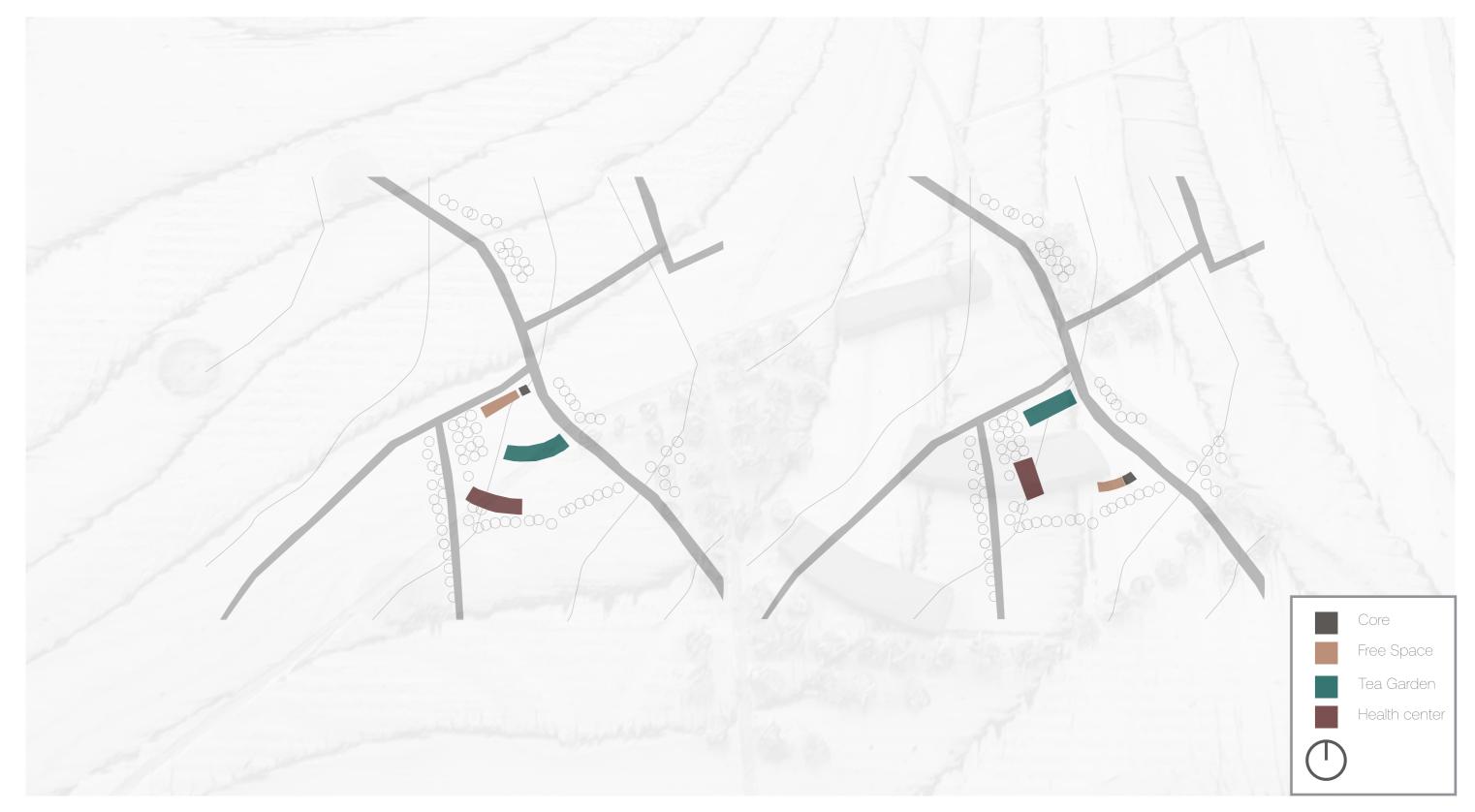
Led into several explorations



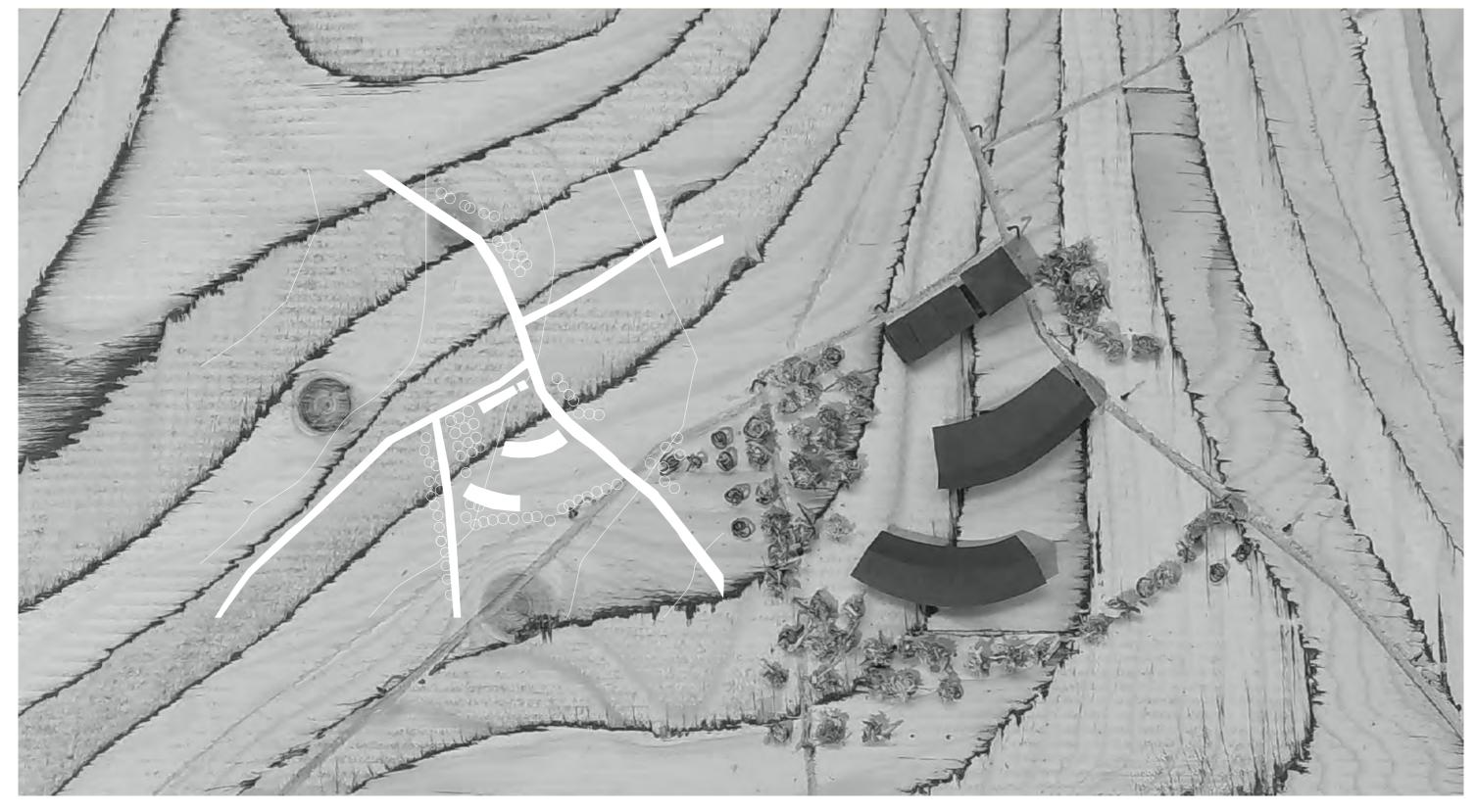
Led into several explorations

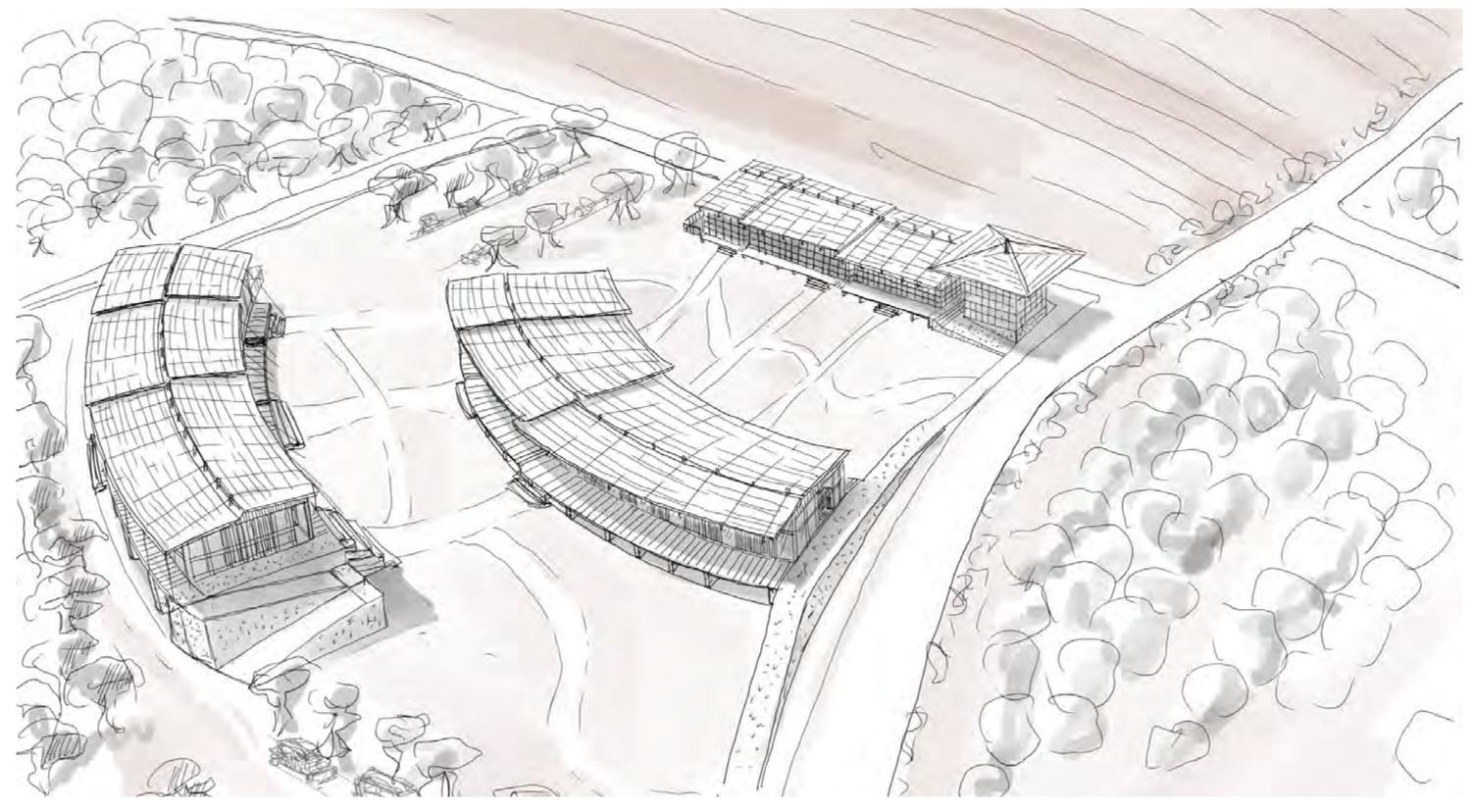


Led into several explorations

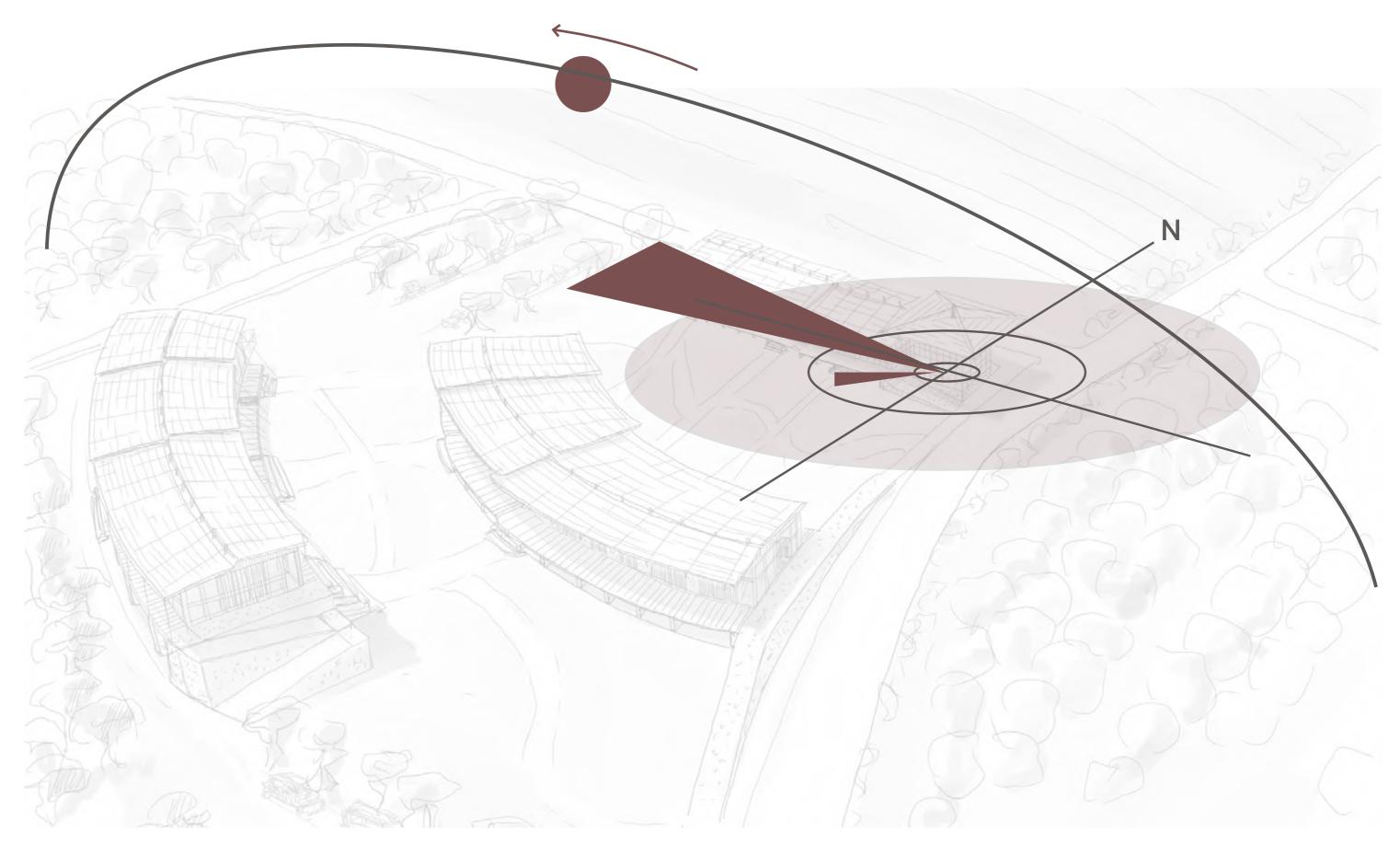


Chosen Configuration



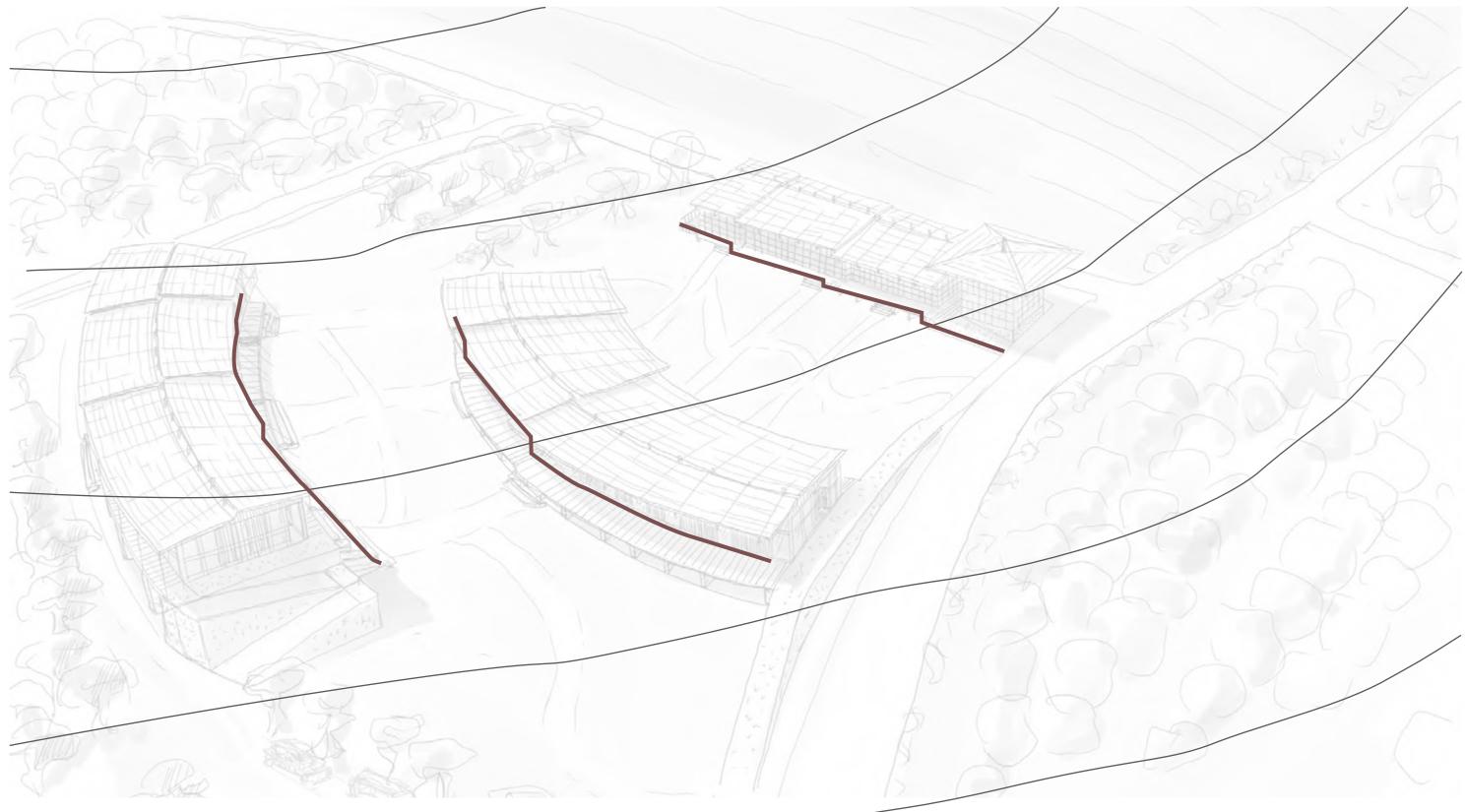


Orientation

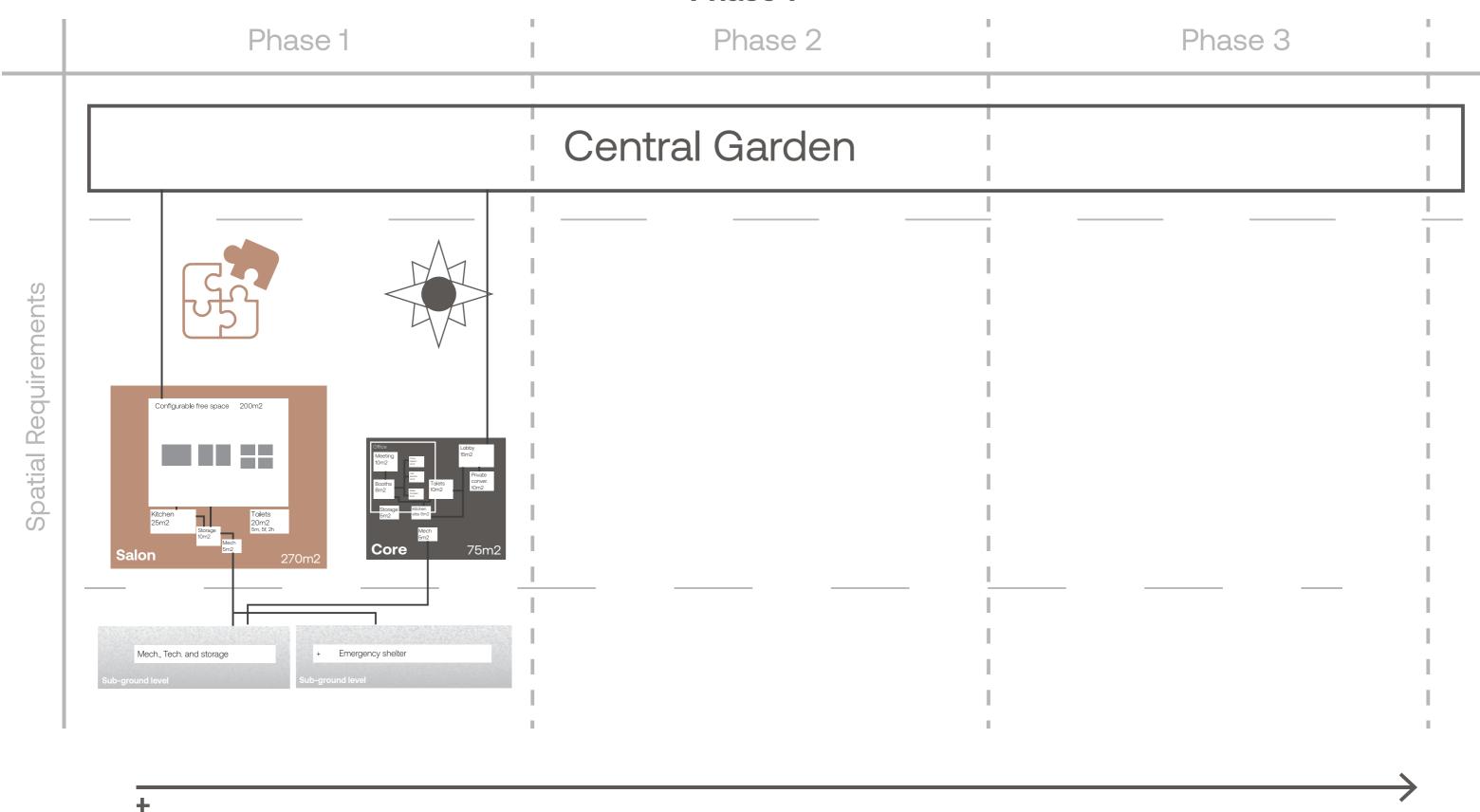


Compass no. 1 Result

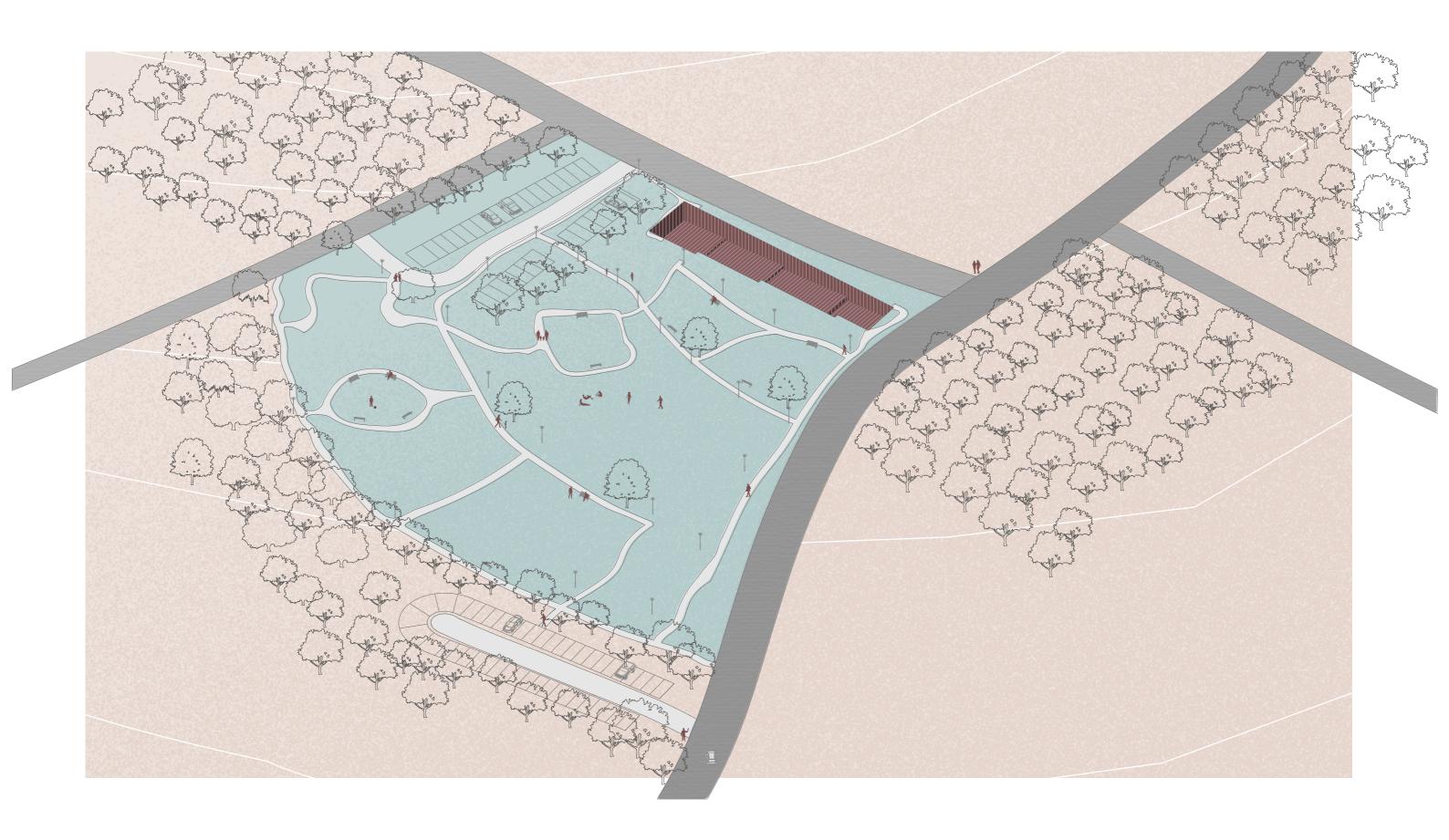
Slope



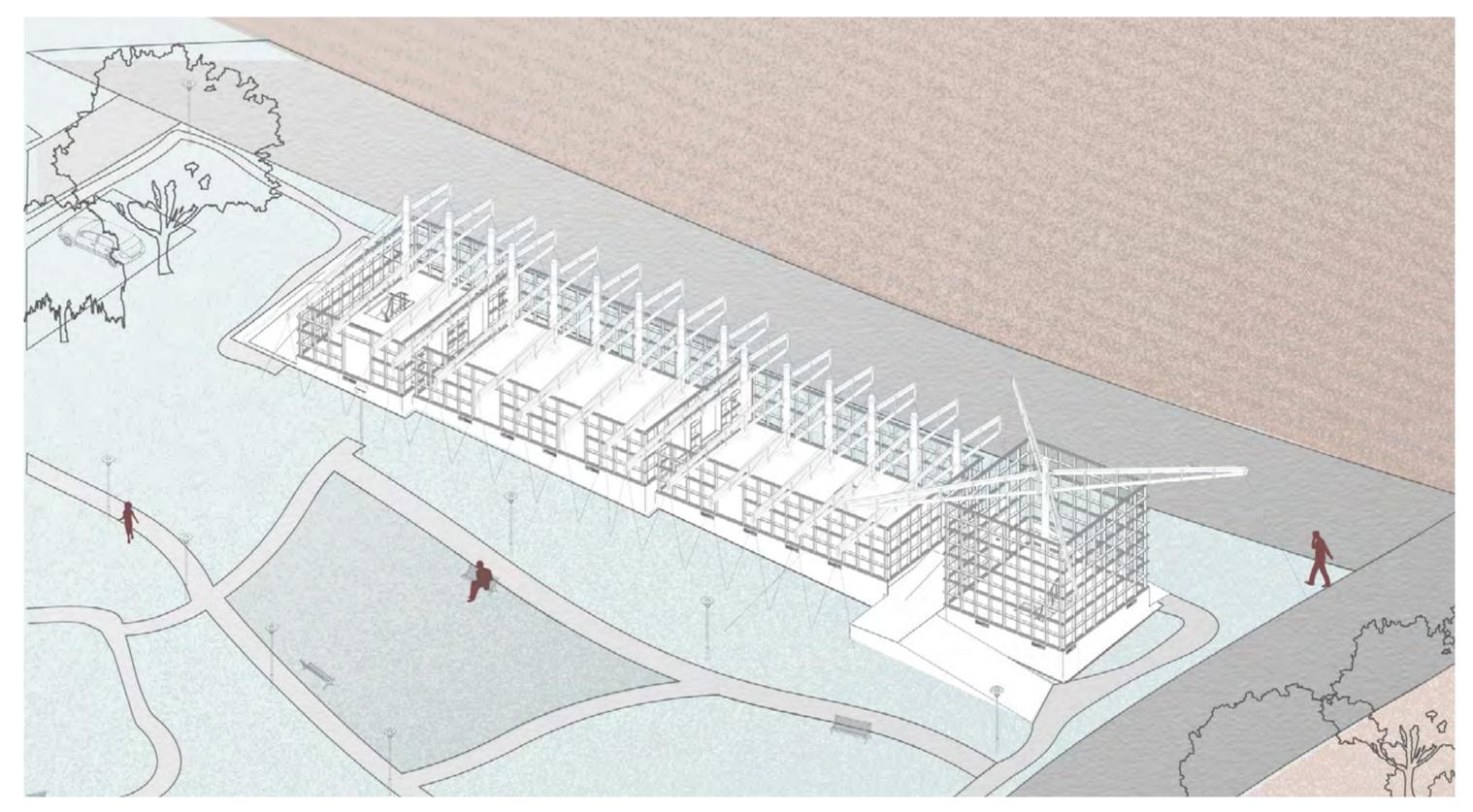
Phase 1



In early phase 1



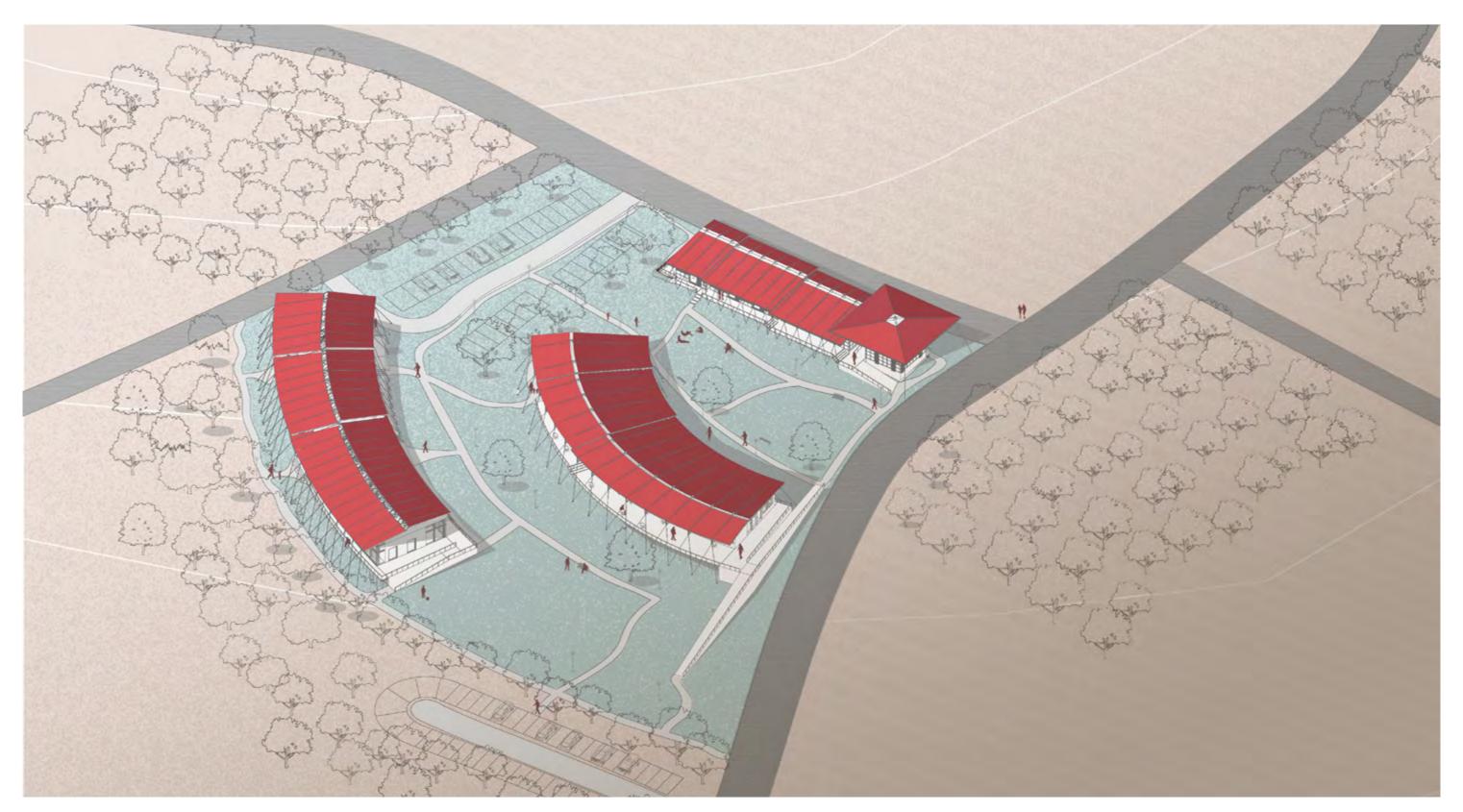
During construction of the Core



By the end of phase 1

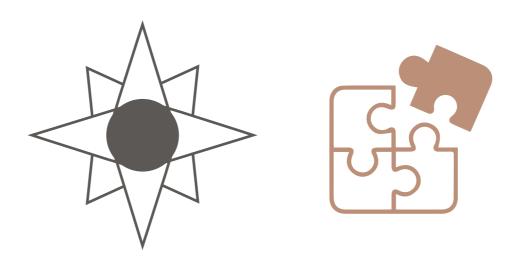


By the end of phase 3





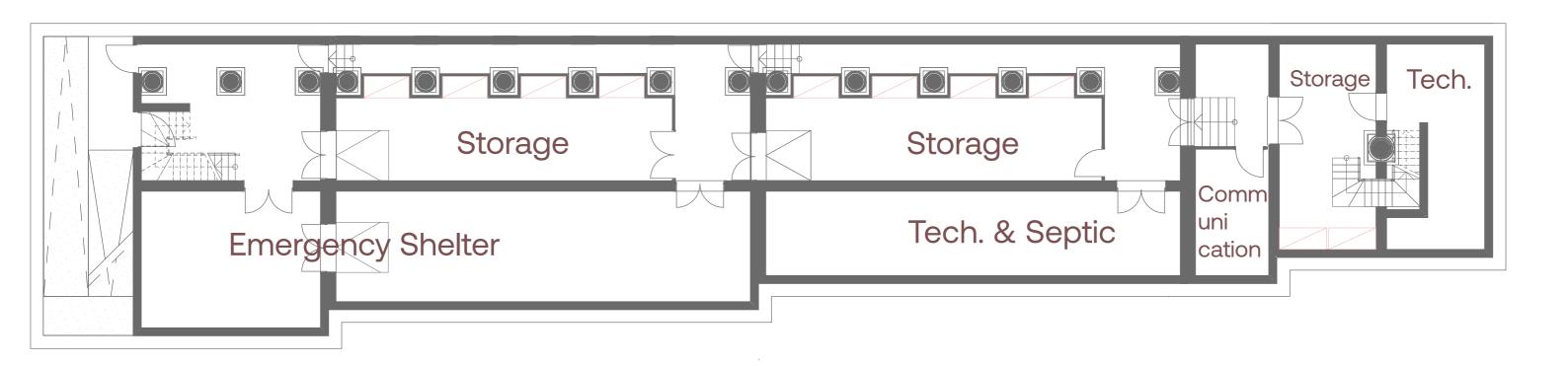
The Core and Salon



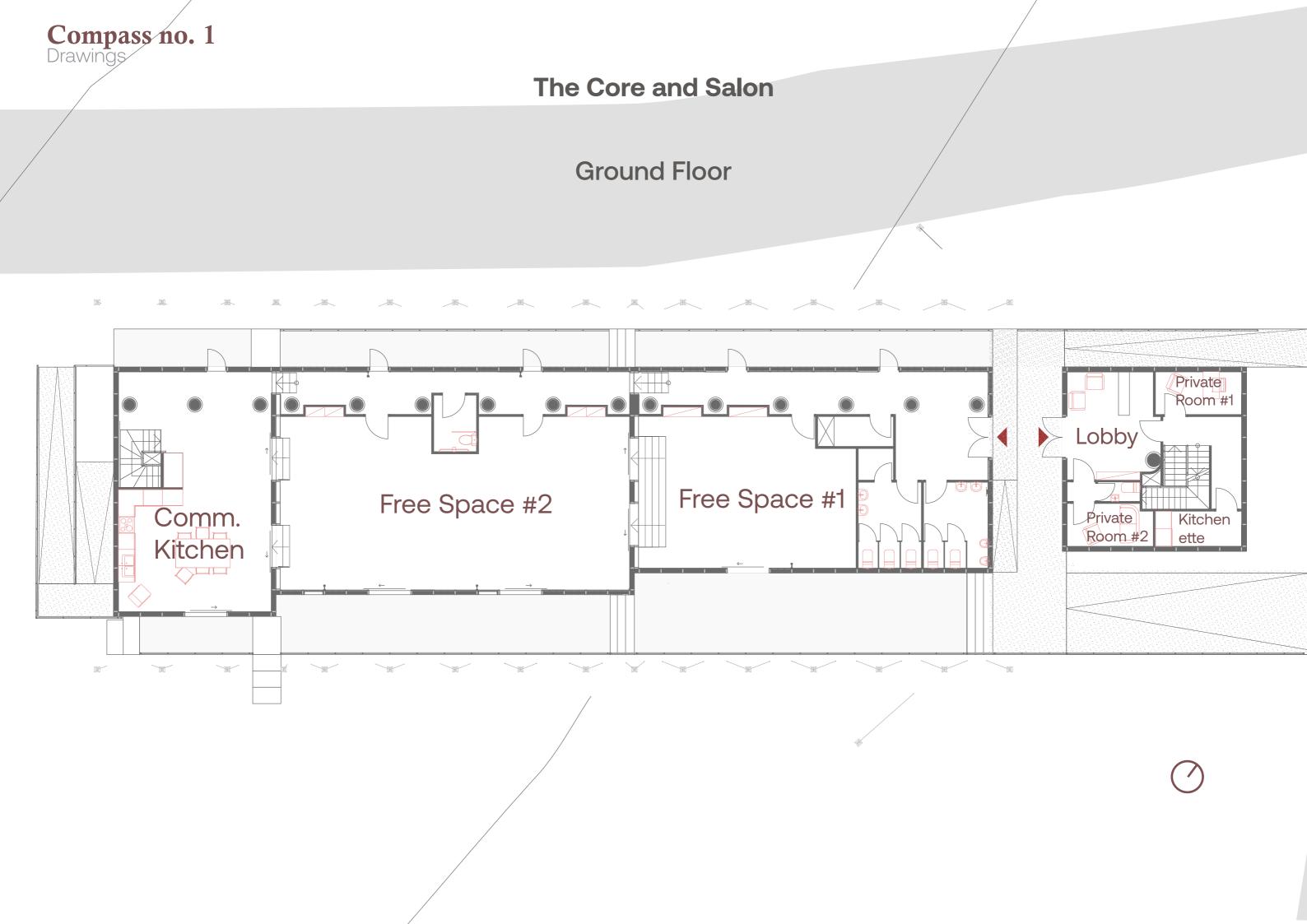
Compass no. 1 Drawings

The Core and Salon

Sub-ground Level



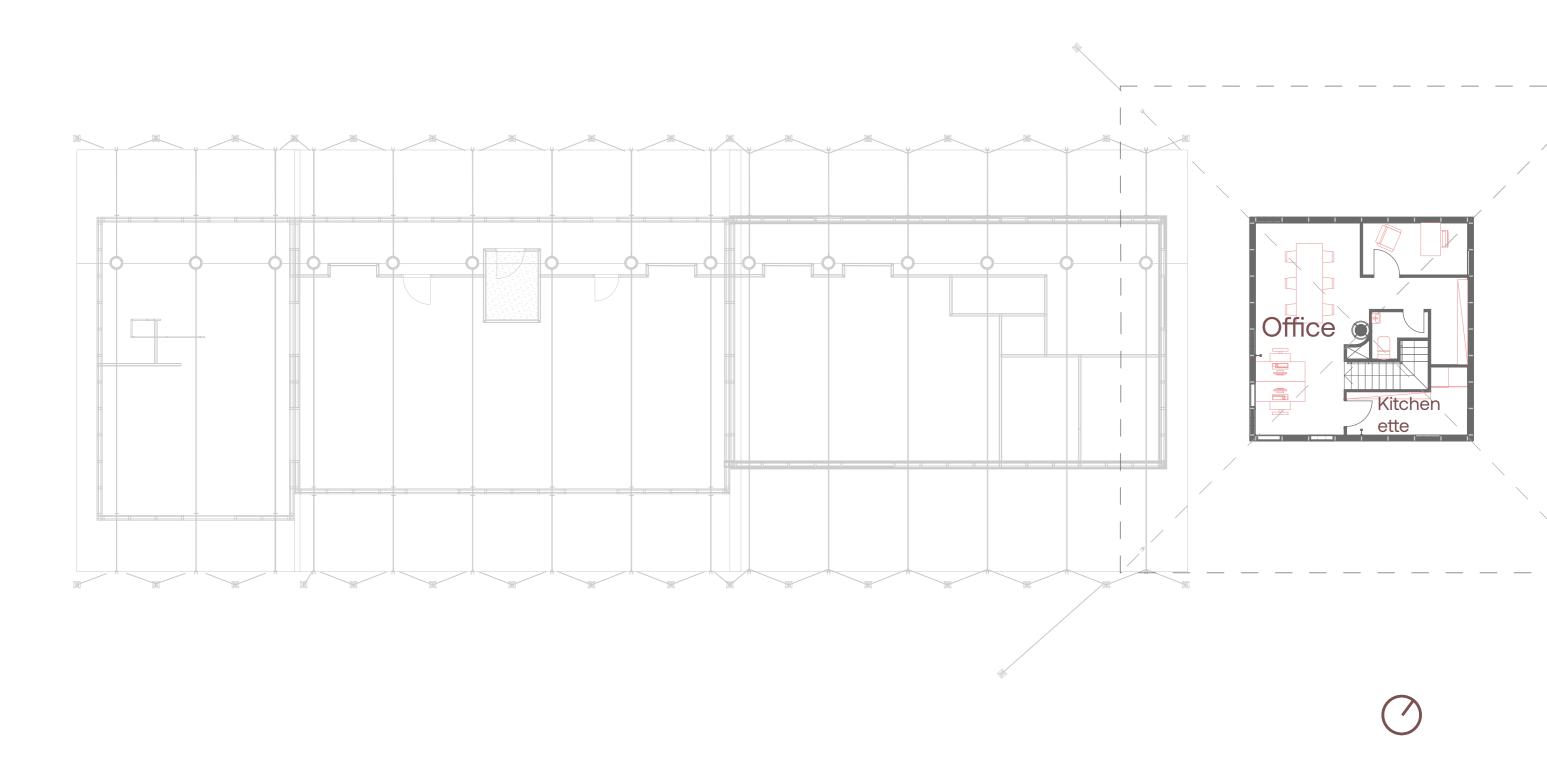






The Core and Salon

First Floor





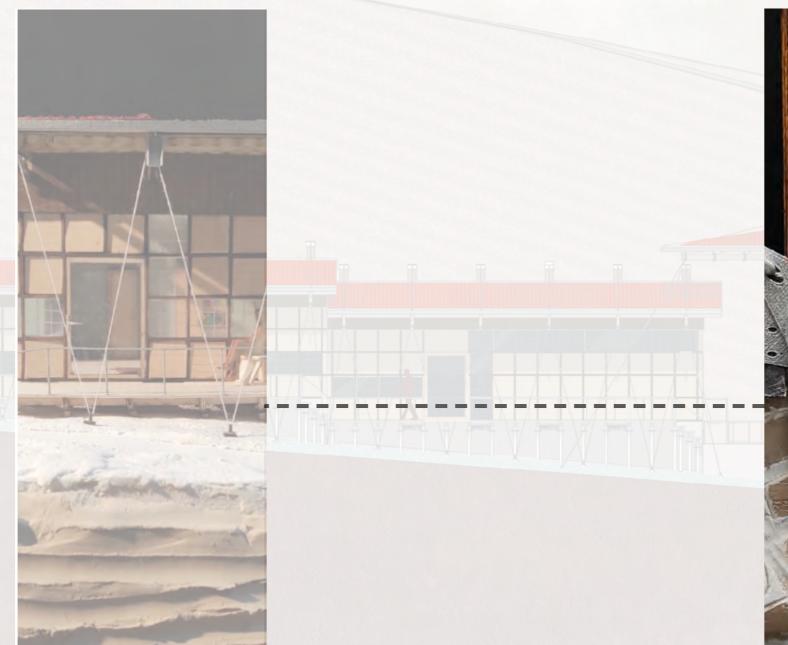






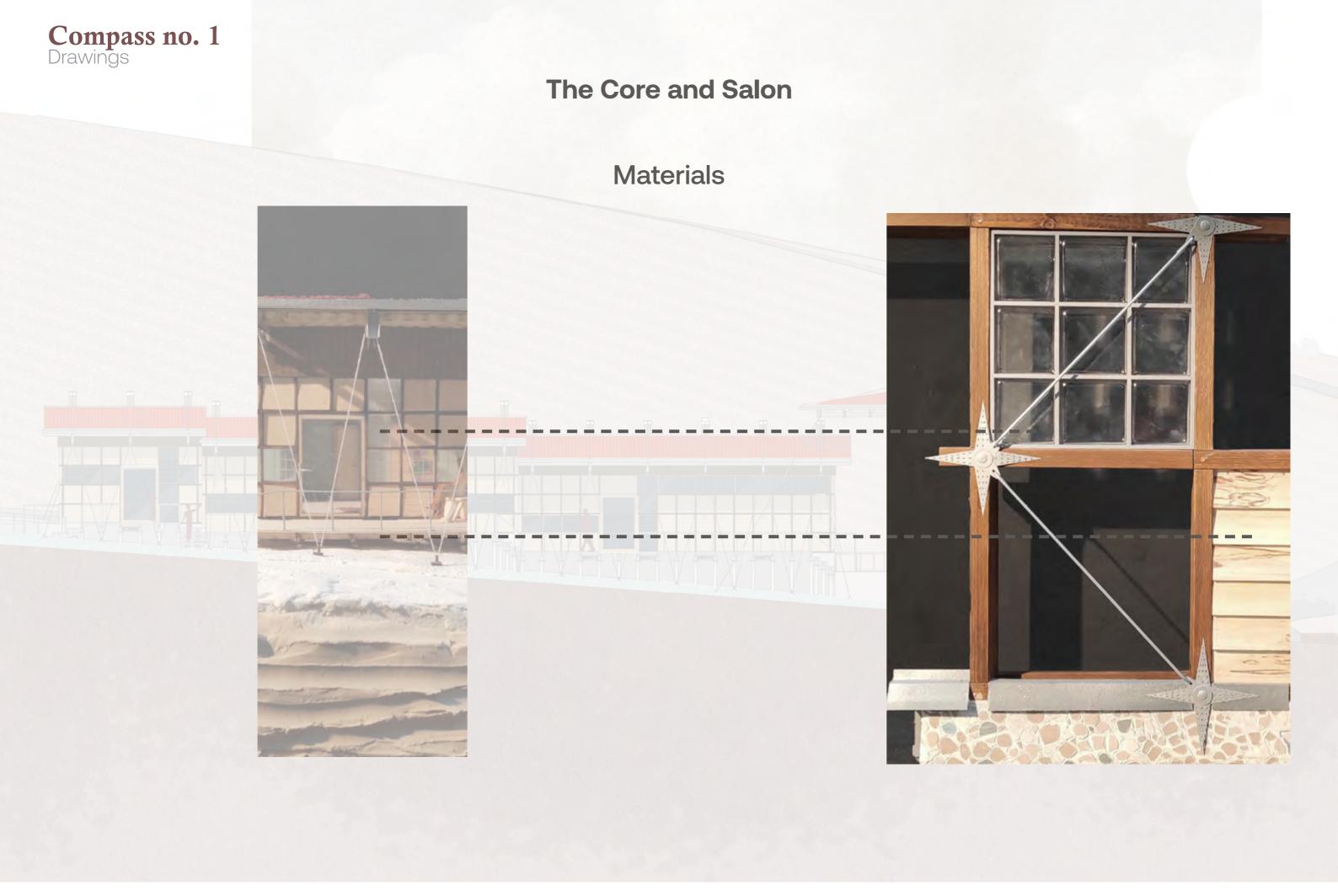
The Core and Salon

Materials



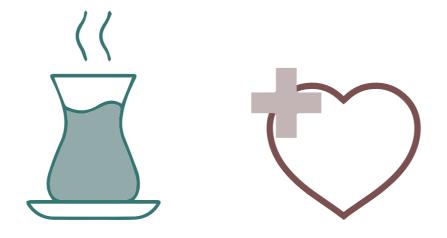


Mozaic Finish

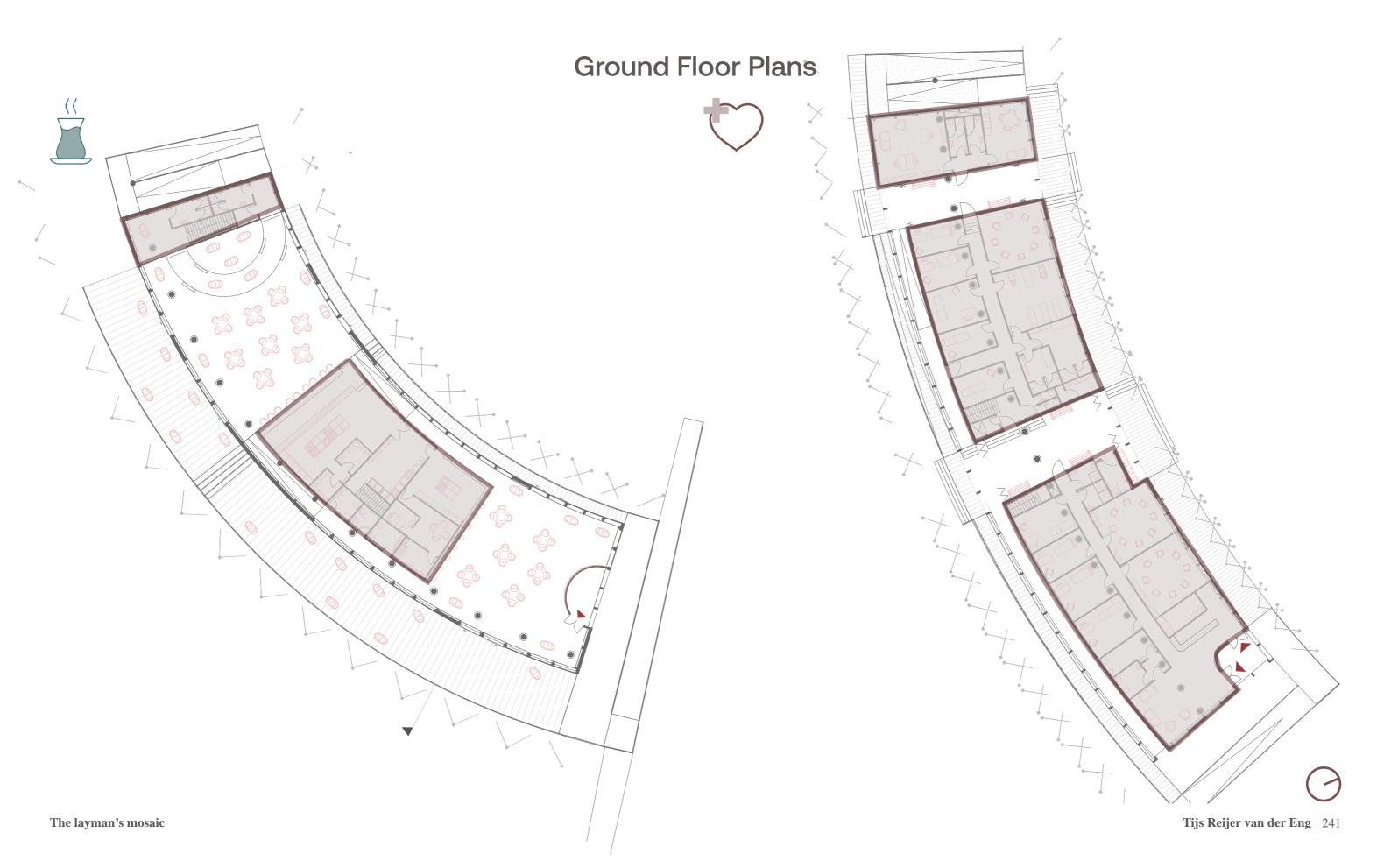




The Tea Garden and Health Centre



The Tea Garden and Health Centre







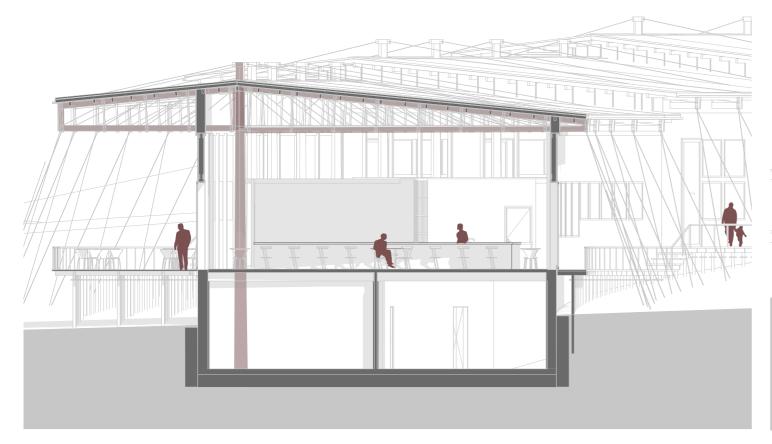


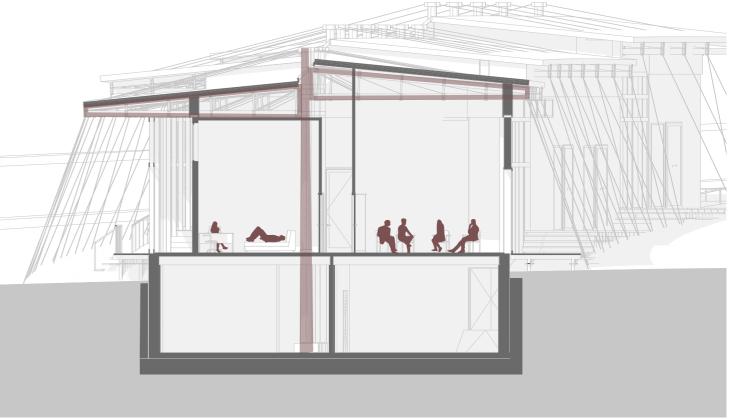
The Tea Garden and Health Centre

Sections









Compass no. 1 Phasing

The Tea Garden and Health Centre

Elevations

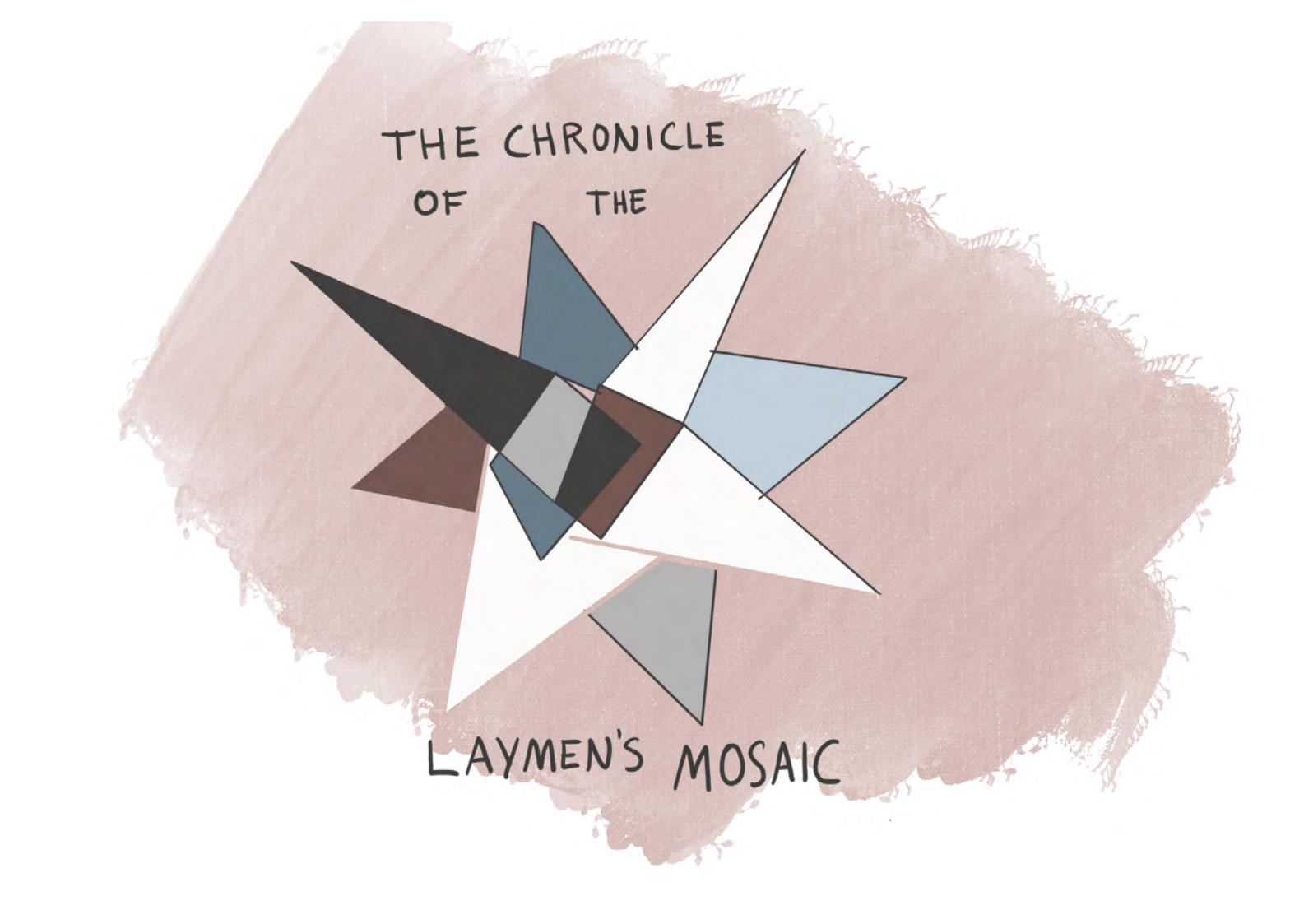


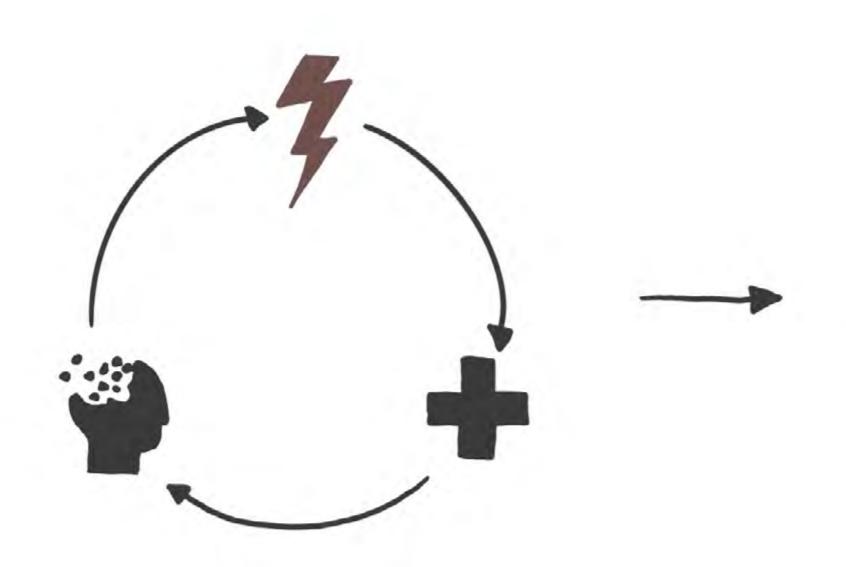




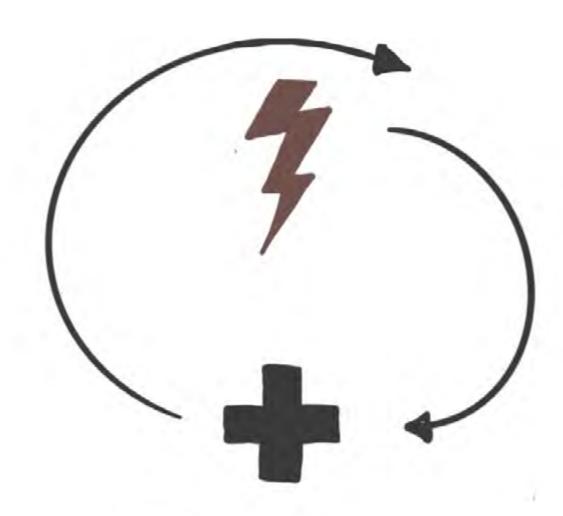






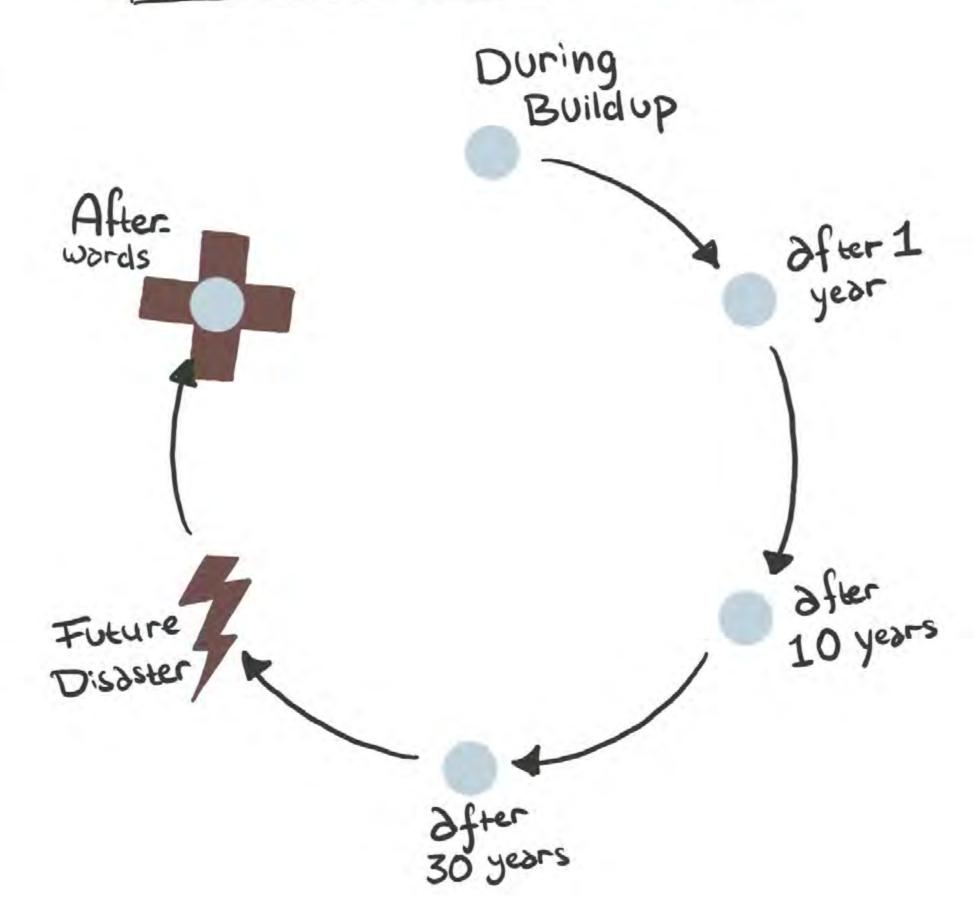


From à "culture of forgetting"



To à culture of preservation

6 MOMENTS IN TIME



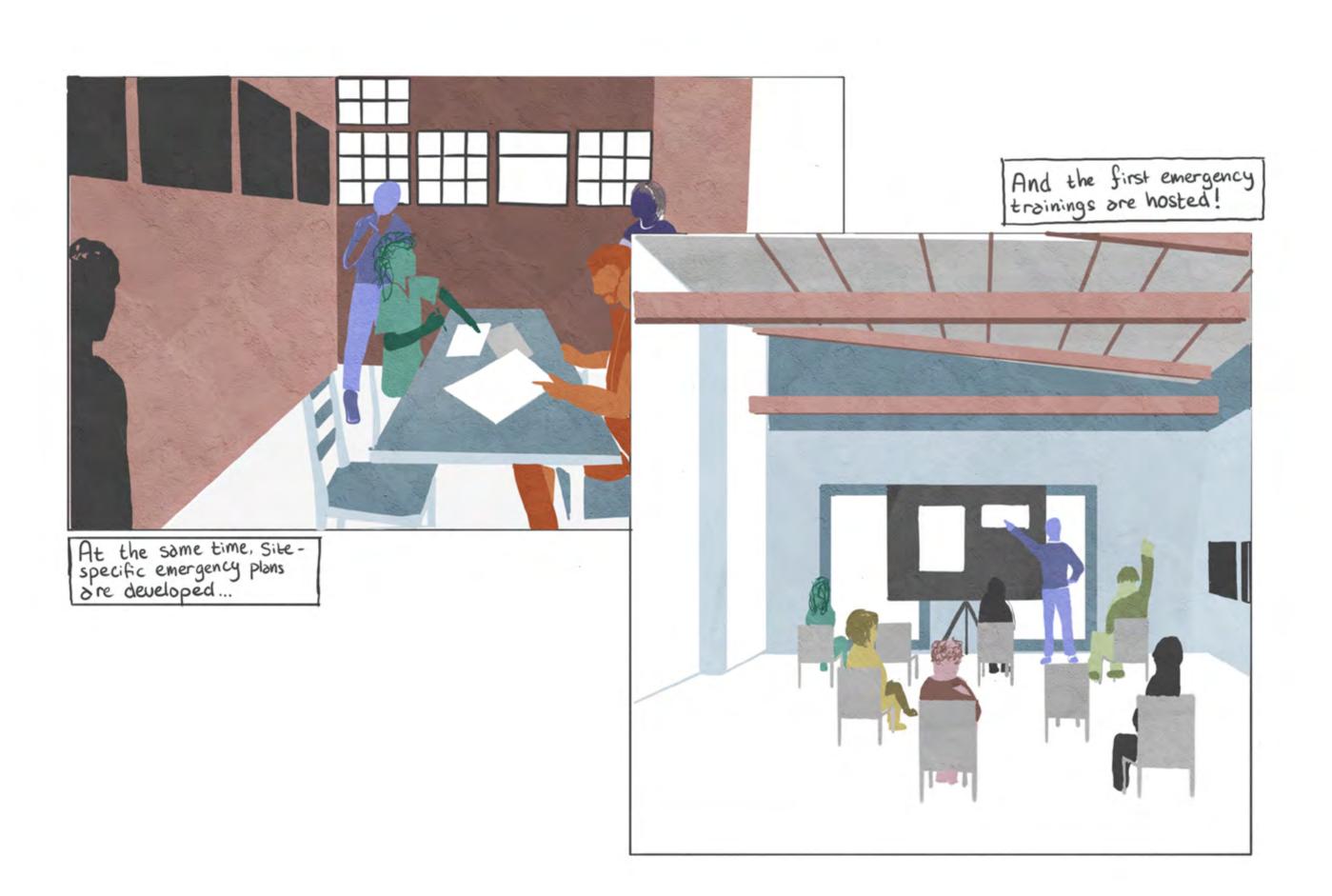
CHARACTERS

Nur (19) Özban (36) Süleyman (65) Gurkan (25) Selma (31) & Esra (7) Local Users Tea Garden Employee Compass Committee Local Building Member Team

During the build-up:









One year later, the spaces are fully operational:



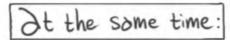
In the core lobby, we find Selma asks Özban for advice



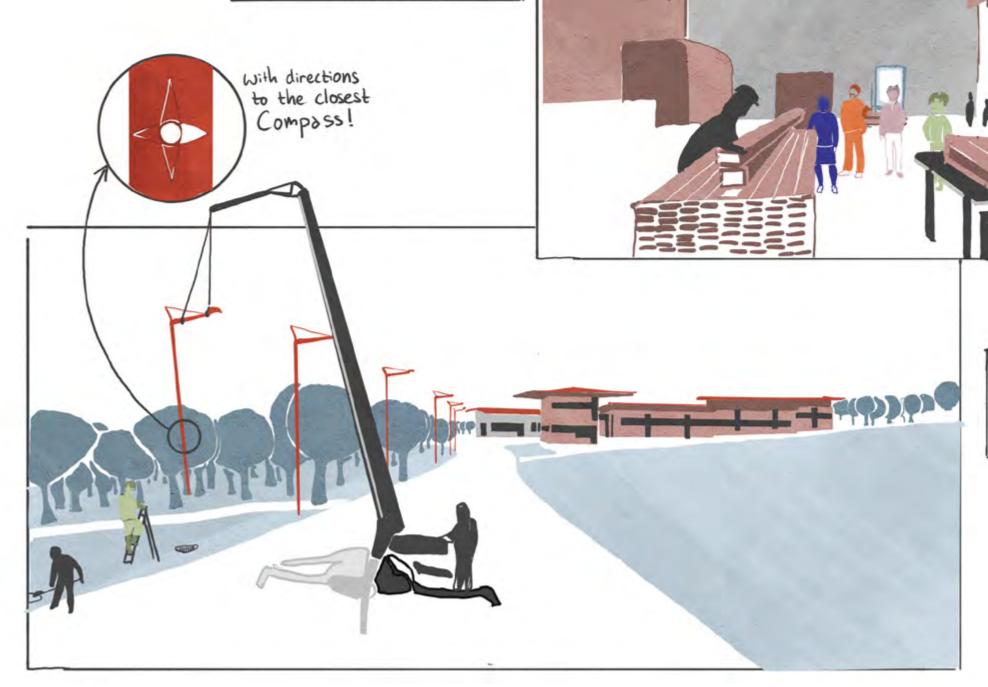
Meanwhile, Süleyman receives therapy for his prop at the Darussifa



and we can spot Esra playing with her friends, under the watchfull eye of one of the elders.

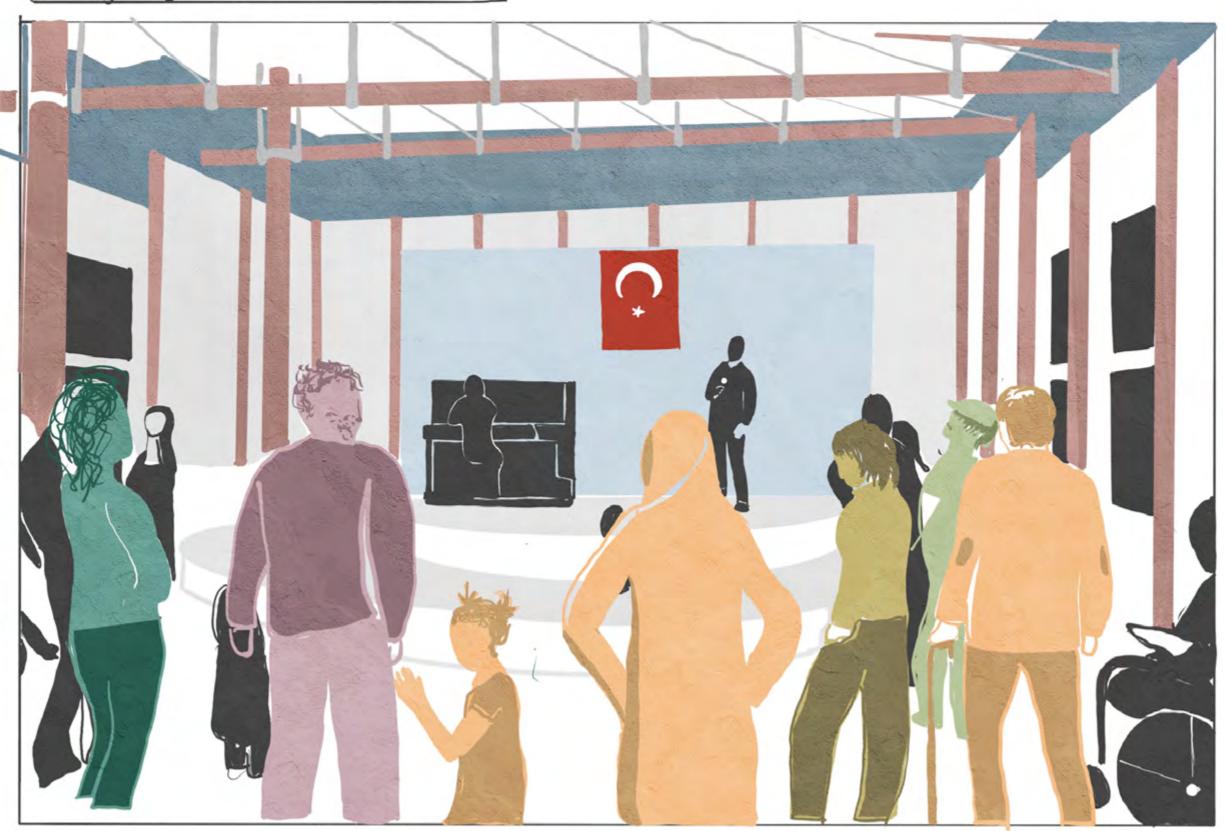


Ore Gürkan, Ahmed, Naomi and Mustafa busy with scaling up the compass production



team installing the emergency roubing system.

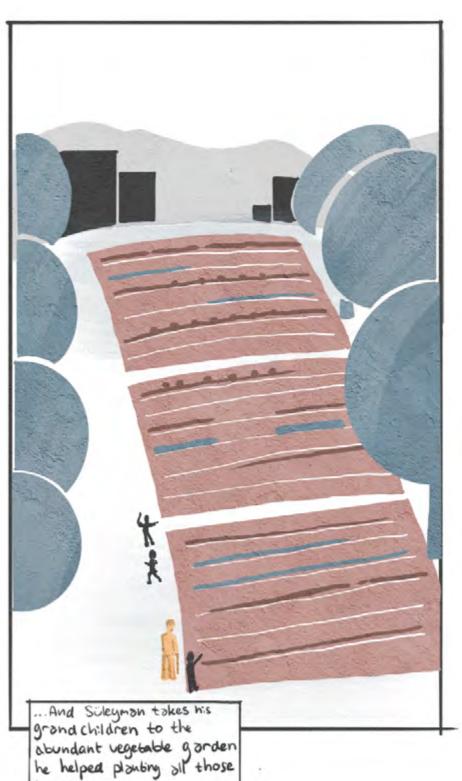
February 6th 2026... The yearly commemoration ceremony is organized at the Compass for the first time.



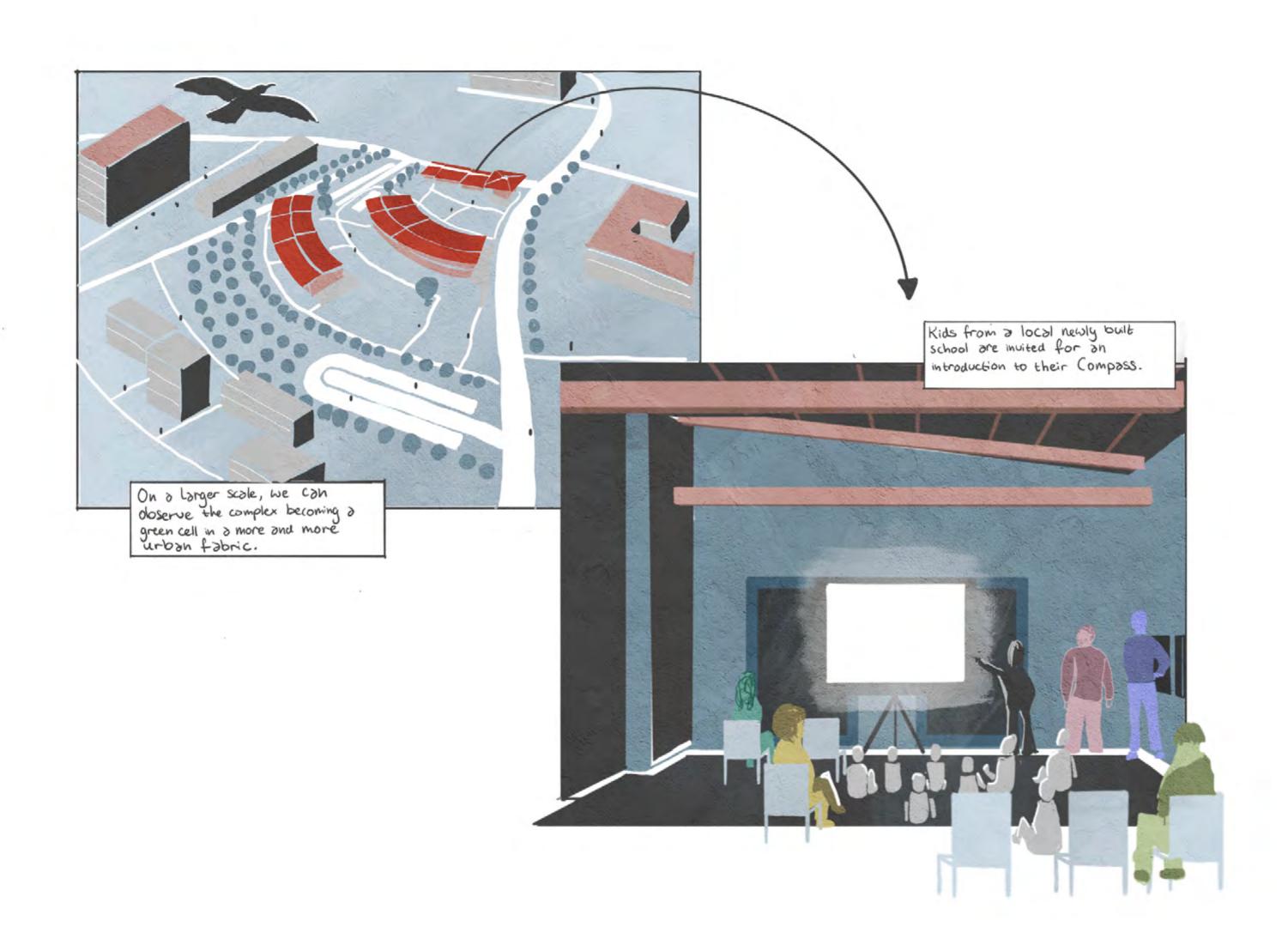
Looking again 10 years further...





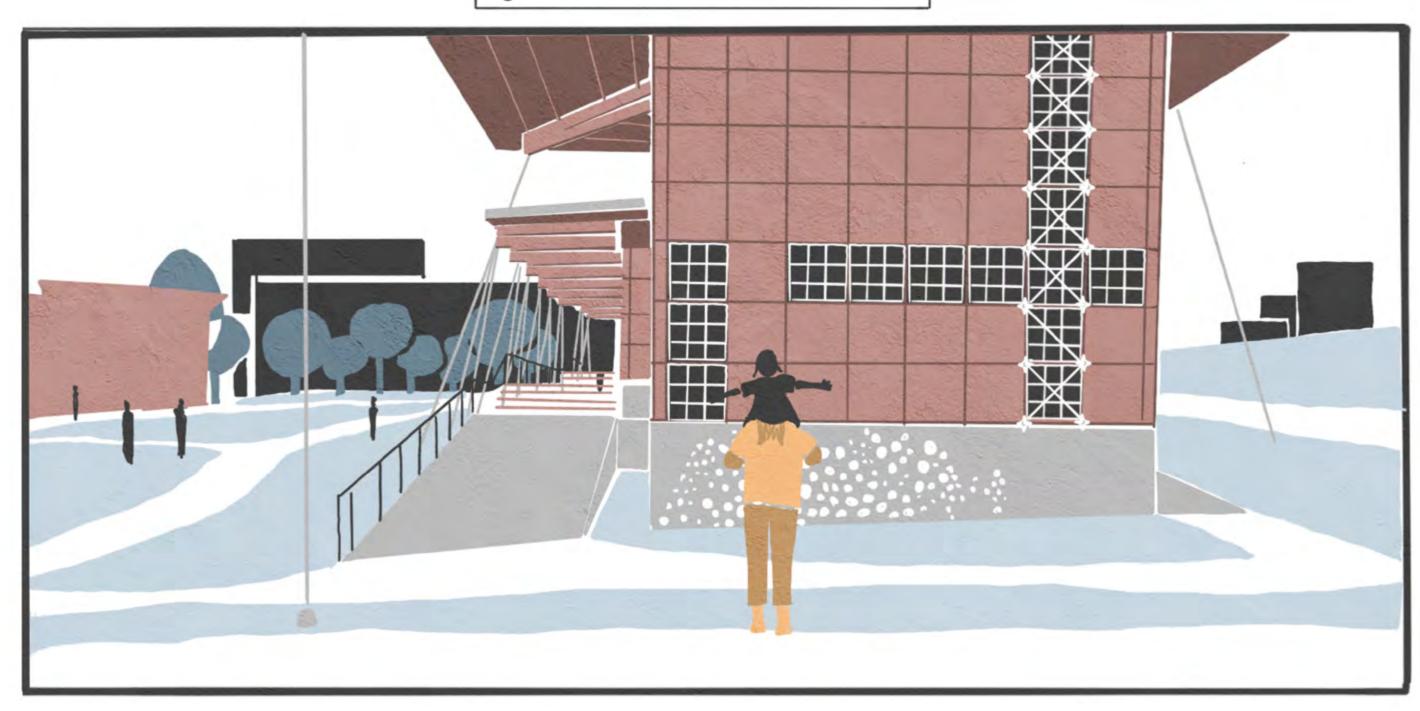


...And Süleyman takes his grand children to the abundant vegetable garden he helped planting all those years ago.

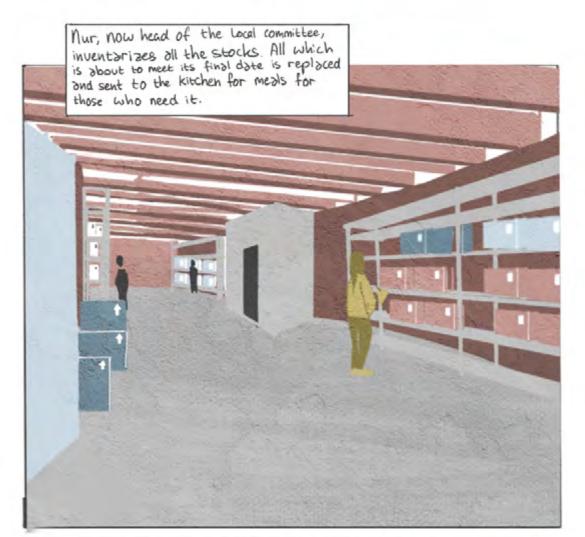


20 years pass again

Esra, a happy mother by now, takes her daughter to show her the mosaic she helped making when she was her age.



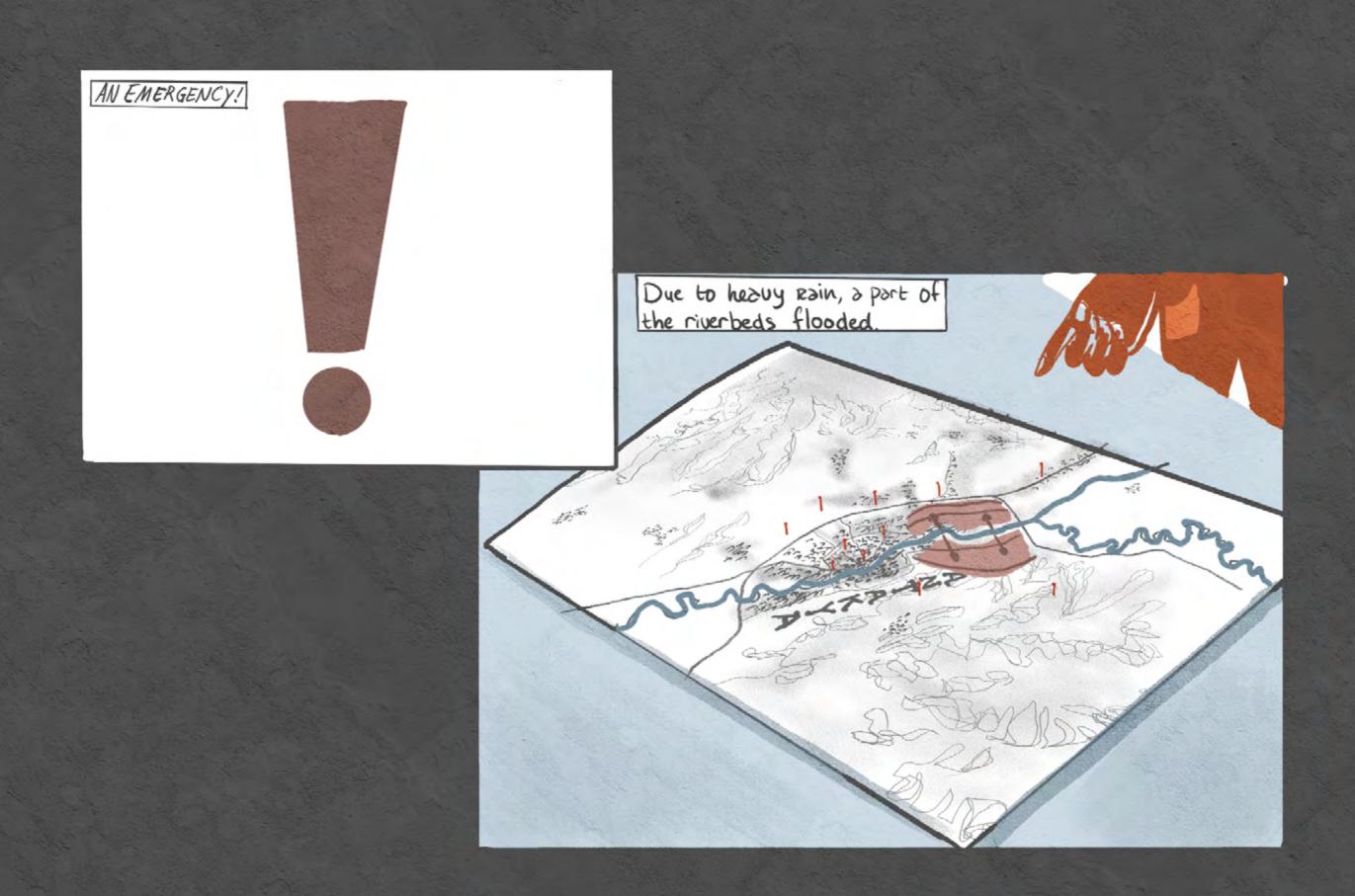








But then...





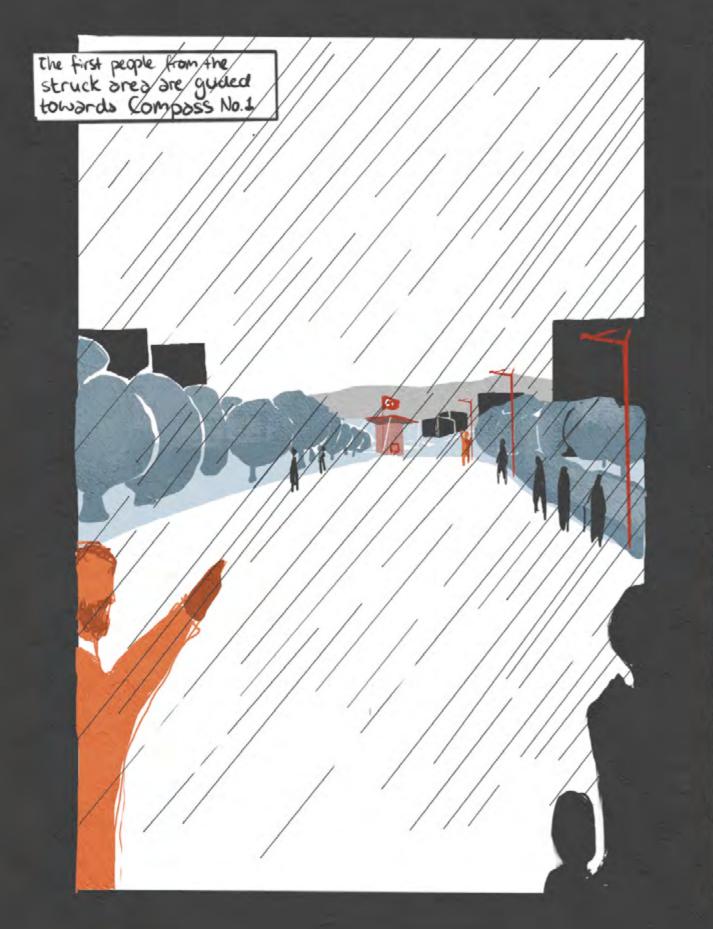
Multiple sleps are taken simultaniously:



and the domestic aid organizations







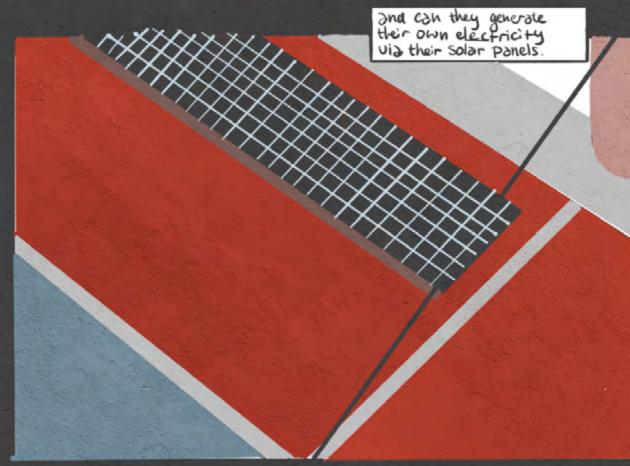






luckily, are all the Compasses equiped with an emergency

generator,



The people arrive, and the Compass turns full emergency-mode:

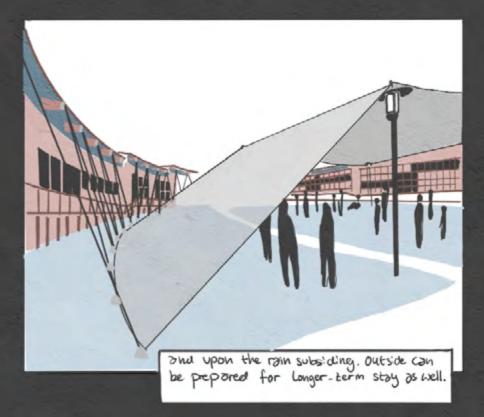


Esra helps comforting the pregnant women, who are given more privacy in the compartmented Health Centre.



The Central kitchen in the Tea Garden Provides food, water and Tea





Oh no! It seems that outside and isn't able to reach the area due to blocked roads!



But no worries! Compass no.1 is able to house 800 people for a period of 2 weeks

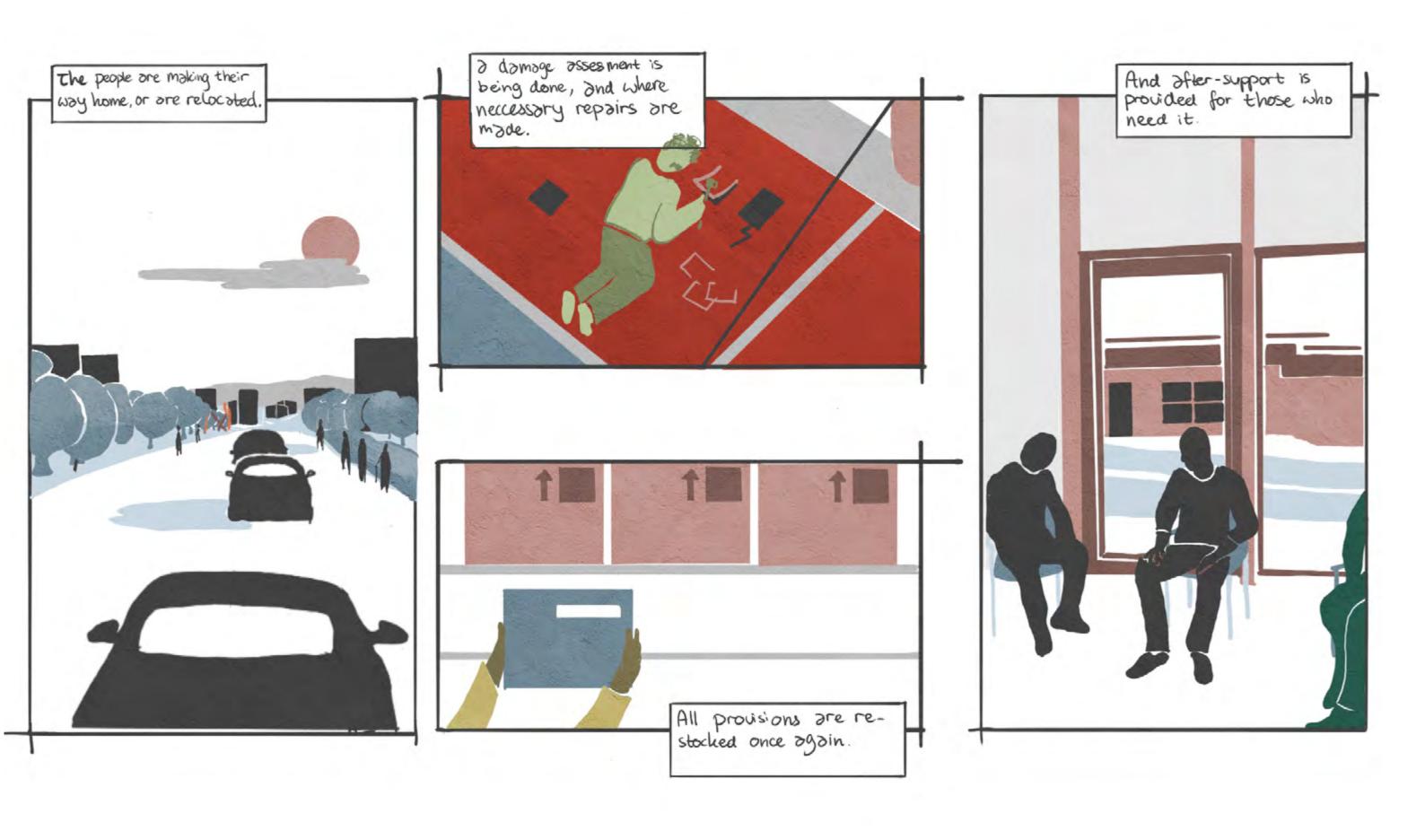




and the possibility to divide the interior up in semi-private dorms

20 Days Later...

the flooding has recided, and the most severe problems are over...



The end