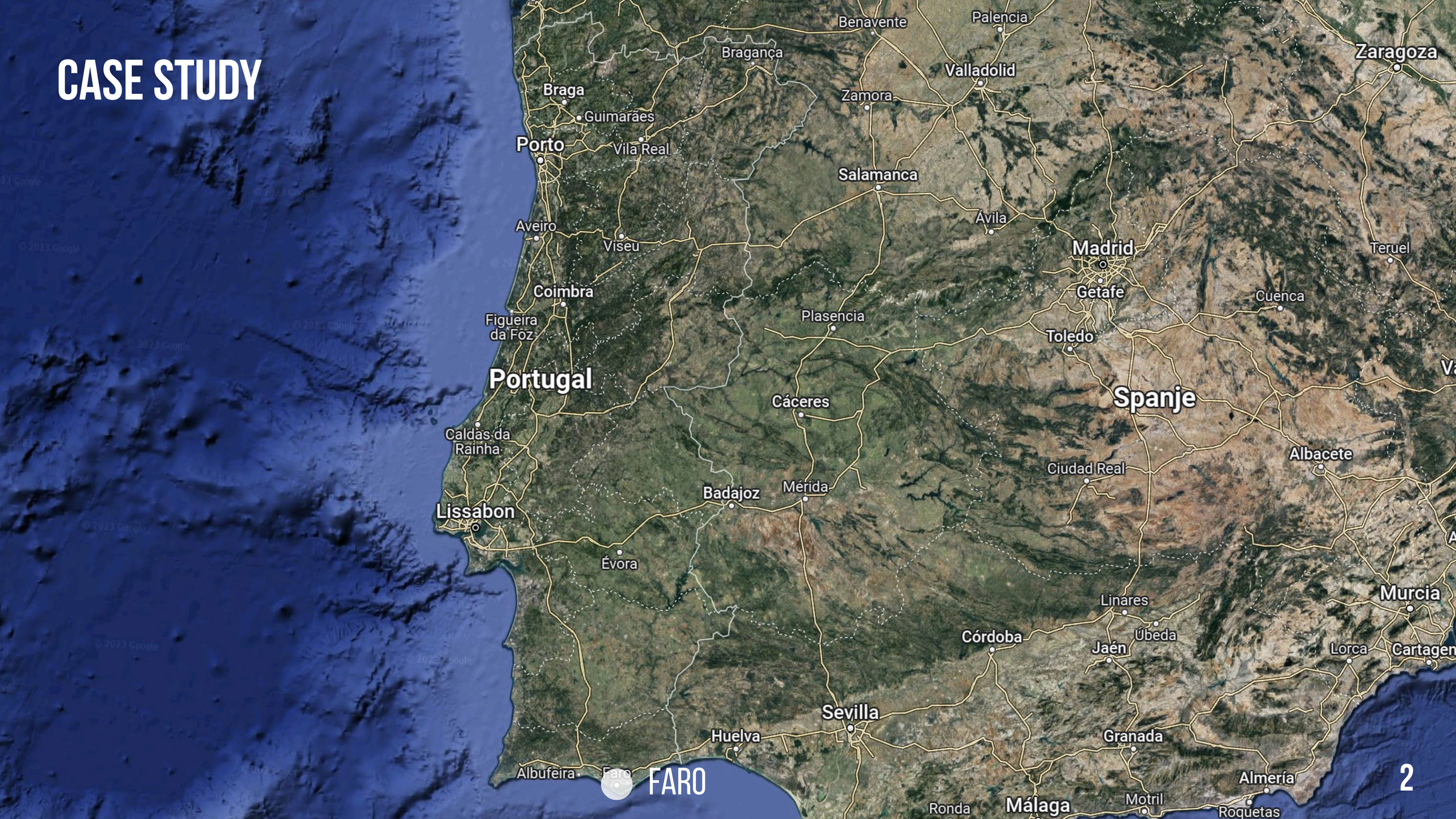


REVITALISING THROUGH INTERACTION

USING COMMUNITY VALUES TO TURN VACANT HERITAGE IN A PLACE FOR INTERGENERATIONAL INTERACTIONS.

CASE STUDY


Benavente
Palencia
Zaragoza
Bragança
Valladolid
Braga
Zamora
Guimarães
Porto
Vila Real
Salamanca
Ávila
Aveiro
Viseu
Madrid
Teruel
Coimbra
Getafe
Cuenca
Figueira da Foz
Plasencia
Toledo
Portugal
Spanje
Cáceres
Caldas da Rainha
Albacete
Ciudad Real
Badajoz
Mérida
Lissabon
Évora
Murcia
Linares
Córdoba
Úbeda
Jaén
Lorca
Cartagen
Sevilla
Granada
Huelva
Albufeira
Faro
FARO
Almería
Ronda
Málaga
Motril
Roquetas

CASE STUDY



MAIN THEMES







REVITALISING VACANT BUILDINGS

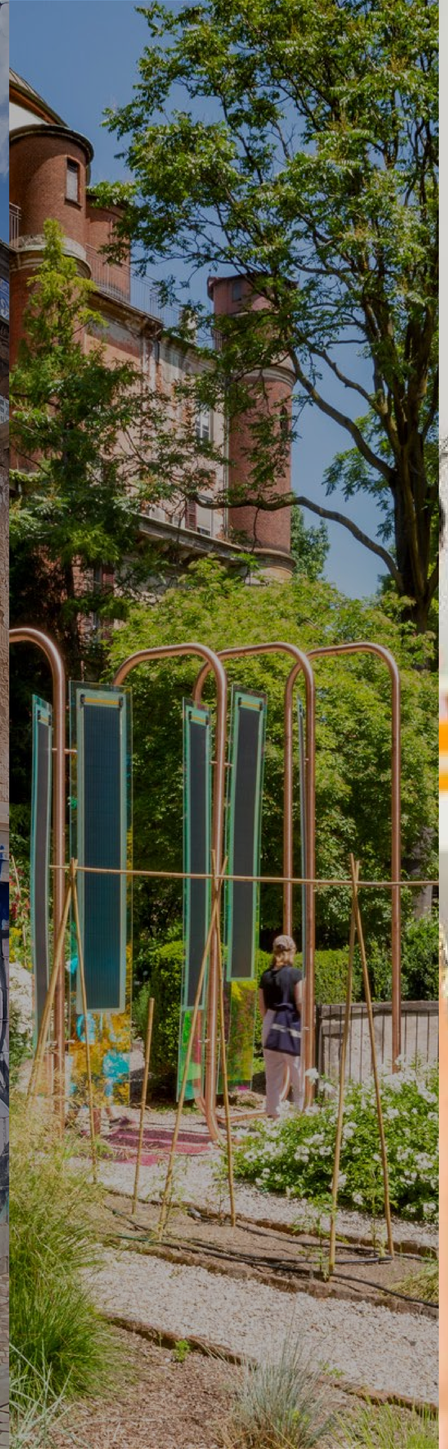




INCORPORATING NATURE







INTERGENERATIONAL RELATIONS

ESTACAO



ESTACAO



ESTACAO



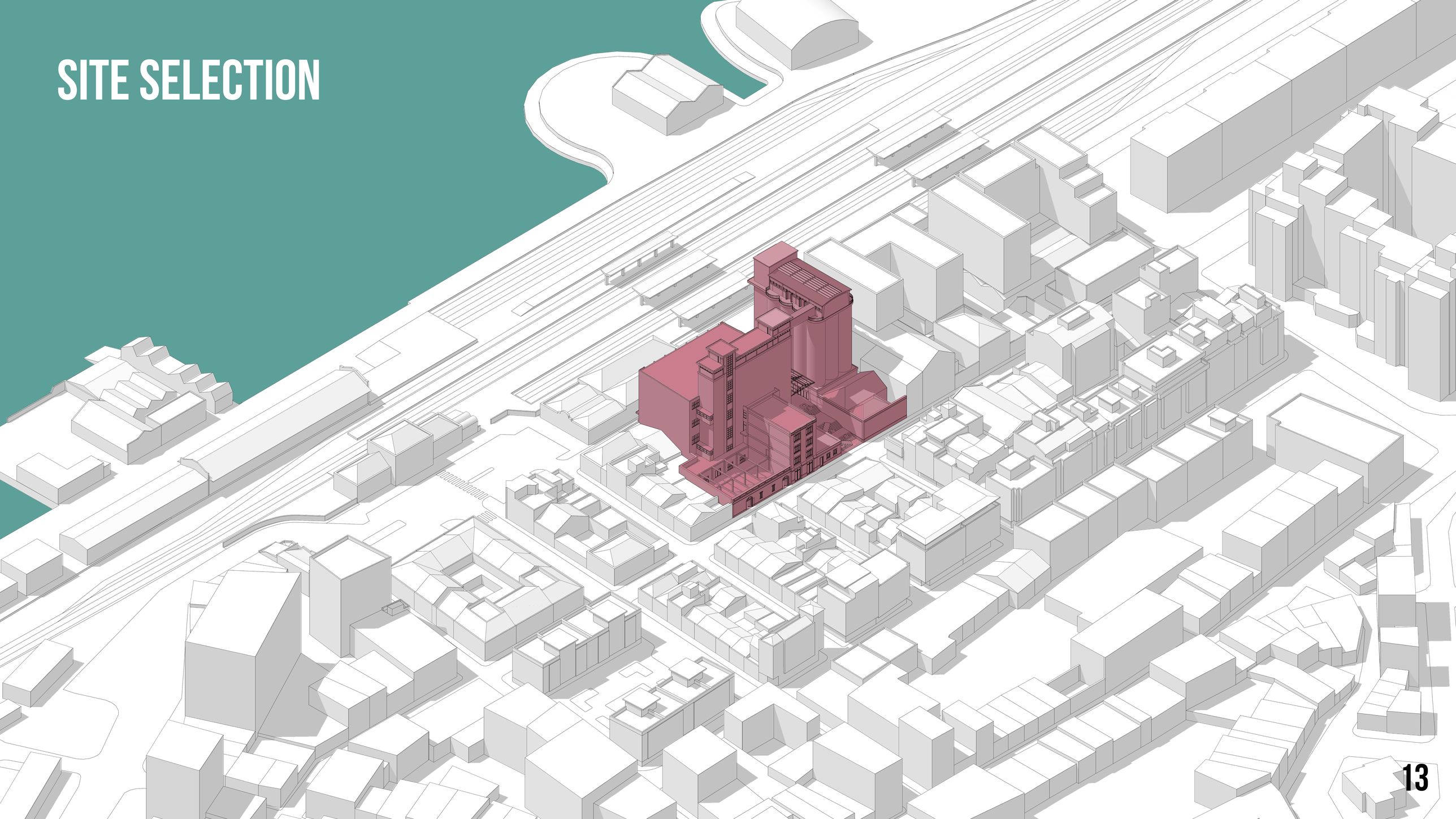
ESTACAO



ESTACAO



SITE SELECTION



FACTORY



FACTORY



FACTORY



FACTORY



CURRENT PROPOSAL



MASTERPLAN



COMMUNITY ENGAGEMENT

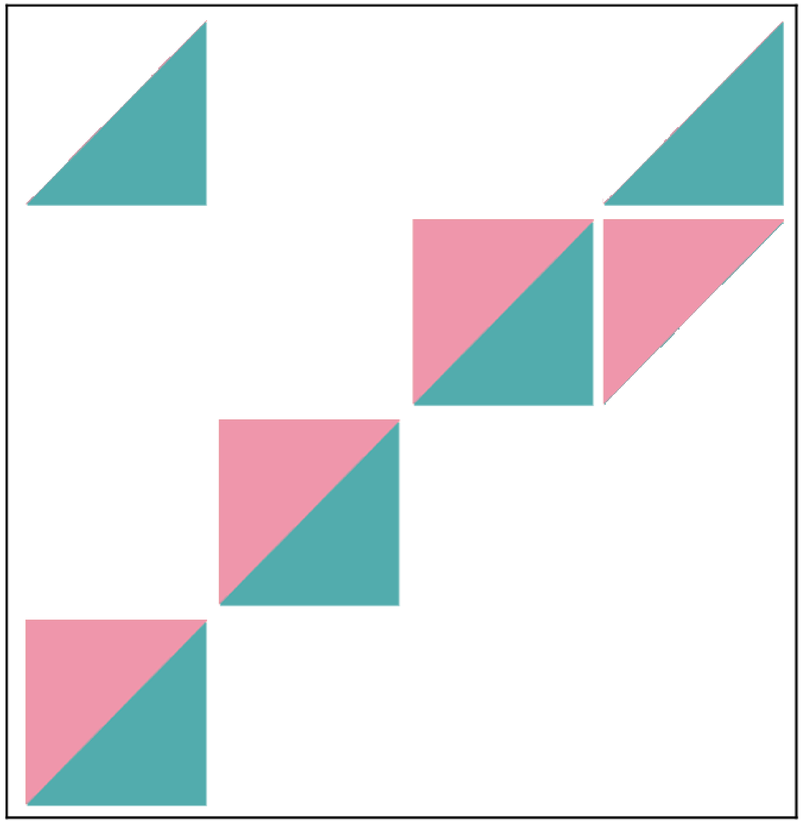


Card game

Cultural mapping

Photographic walking tour

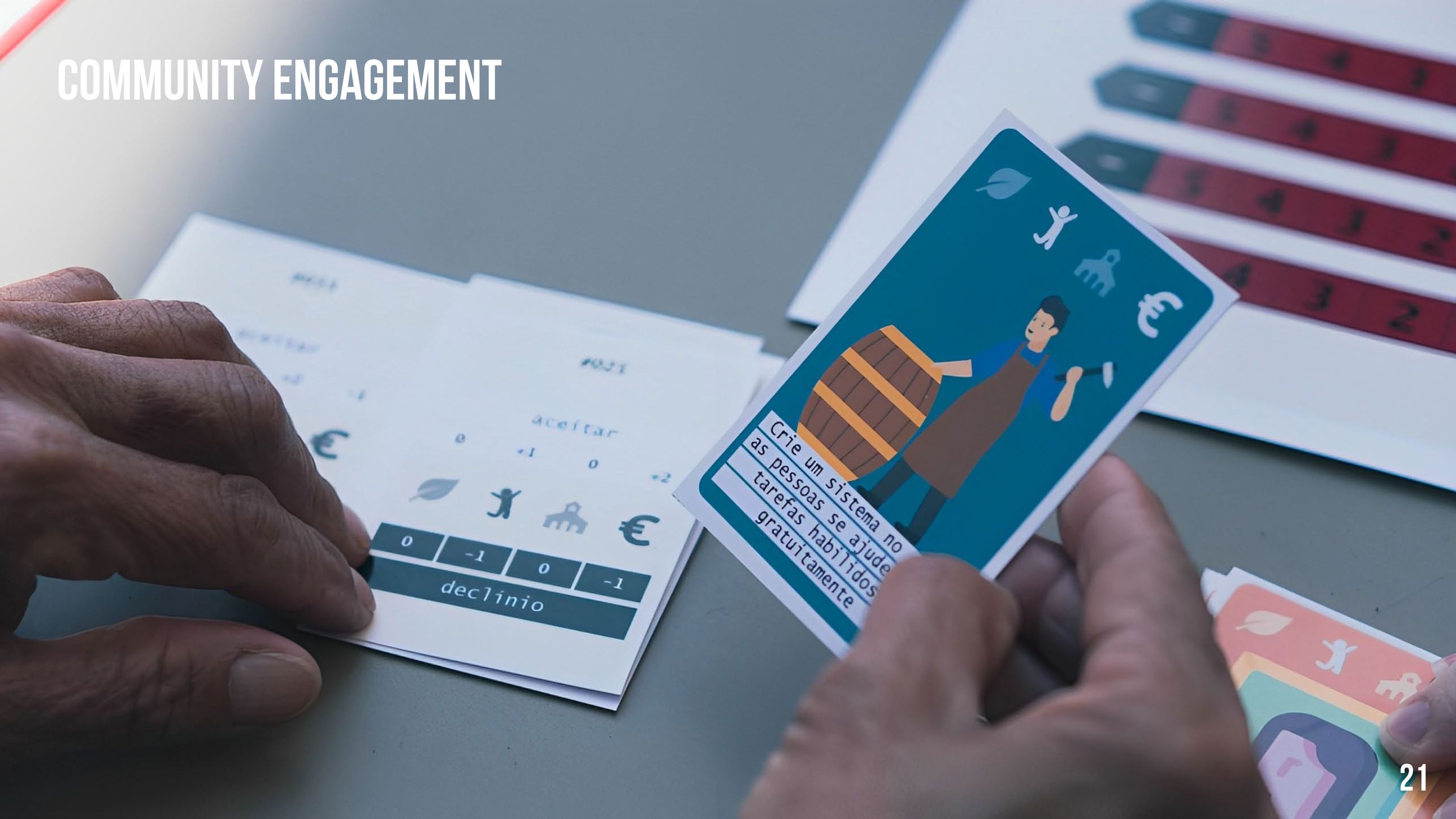
Minecraft



values

Attributes

COMMUNITY ENGAGEMENT



CARD GAME



ECOLOGICAL SPIRITUAL ESSENTIAL EXISTENTIAL	**SOCIAL** SPIRITUAL EMOTIONAL ALLEGORICAL	**ECONOMIC** USE NON-USE ENTERTAINMENT ALLEGORICAL
AGE SPIRITUAL ESSENTIAL EXISTENTIAL	**VALUES** OTHER	**POLITICAL** EDUCATIONAL MANAGEMENT ENTERTAINMENT SYMBOLIC
SCIENTIFIC WORKMANSHIP TECHNOLOGICAL CONCEPTUAL	**AESTHETICAL** ARTISTIC NOTABLE CONCEPTUAL EVIDENTIAL	**HISTORIC** EDUCATIONAL HIS. ARTISTIC HIS. CONCEPTUAL SYMBOLIC ARCHAEOLOGICAL



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URBiNAT

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 776783

NBSterr10 GROASIS

CHALLENGES ADDRESSED



DESCRIPTION

With Groasis, trees are planted in a way that mimics nature, requiring minimal water usage and custodial management. Given proper preparations and knowledge how and what to plant, survival rates are yet extremely high (above 90 percent). Plantations are undertaken using a boxx, either Waterboxx or Growboxx according to the land requirements. A drip-mechanism channels water to the root slowly. Atmospheric humidity is attracted during night, resulting in natural refilling, without any use of drip irrigation and minimum other irrigation.

CO-DIAGNOSTIC
Active community eng
diagnosing current proble
and and to gain apprecia
naturally rooted trees not

CO-SELECTION
Local communities shoul
of lands, species, and me

CO-DESIGN
Training and knowled
community are integratec

CO-IMPLEMENTATION
Local community involver
procurement and land p
plantation, monitoring an

CO-MONITORING
-

IMPLEMENTATION

SOFT	MEDIUM	HARD

REPLICATION POTENTIAL/FLEXIBILITY

LOW	MEDIUM	HIGH

AMORTIZATION PERIOD

SHORT	MEDIUM	LONG	NA

INVESTMENT

LOW	MEDIUM	HIGH	NA

INNOVATION ASPECT

- Groasis protects the roots while providing minimal water and thus spurring them to seek humidity deep in the ground. Both survival rates and water savings are high;
- The Groasis multiple capillary drill enables access to inaccessible dry areas. Costs are reduced due to no use of pumps, tubes or energy.

REPLICATION AND SCALABILITY

- Scalability highly attractive, since learning process makes it easier and less costly the larger the number of units planted;
- A global carbon credit scheme requires plantation of a large areas;
- Groais has a great potential of replication and can be adopted in different areas.

BEST I

LINKS:
Best practices around the
Santiago; Ecuador, Galap
Anfoe; Oman, Salalah On
Company/Author: Groasi
Location: the Netherland
Extension: Ecuador
Year: 2011-13

COMPLEM

FOOD PRODUCTION AND LEISURE PAVILION

MOBILE VEGETABLE GARDEN

GREEN ROOF

RAINWATER MANAGEMENT

GROASIS

Scan me for digital format

ENGAGEMENT 1ST AGE



ENGAGEMENT 4TH AGE



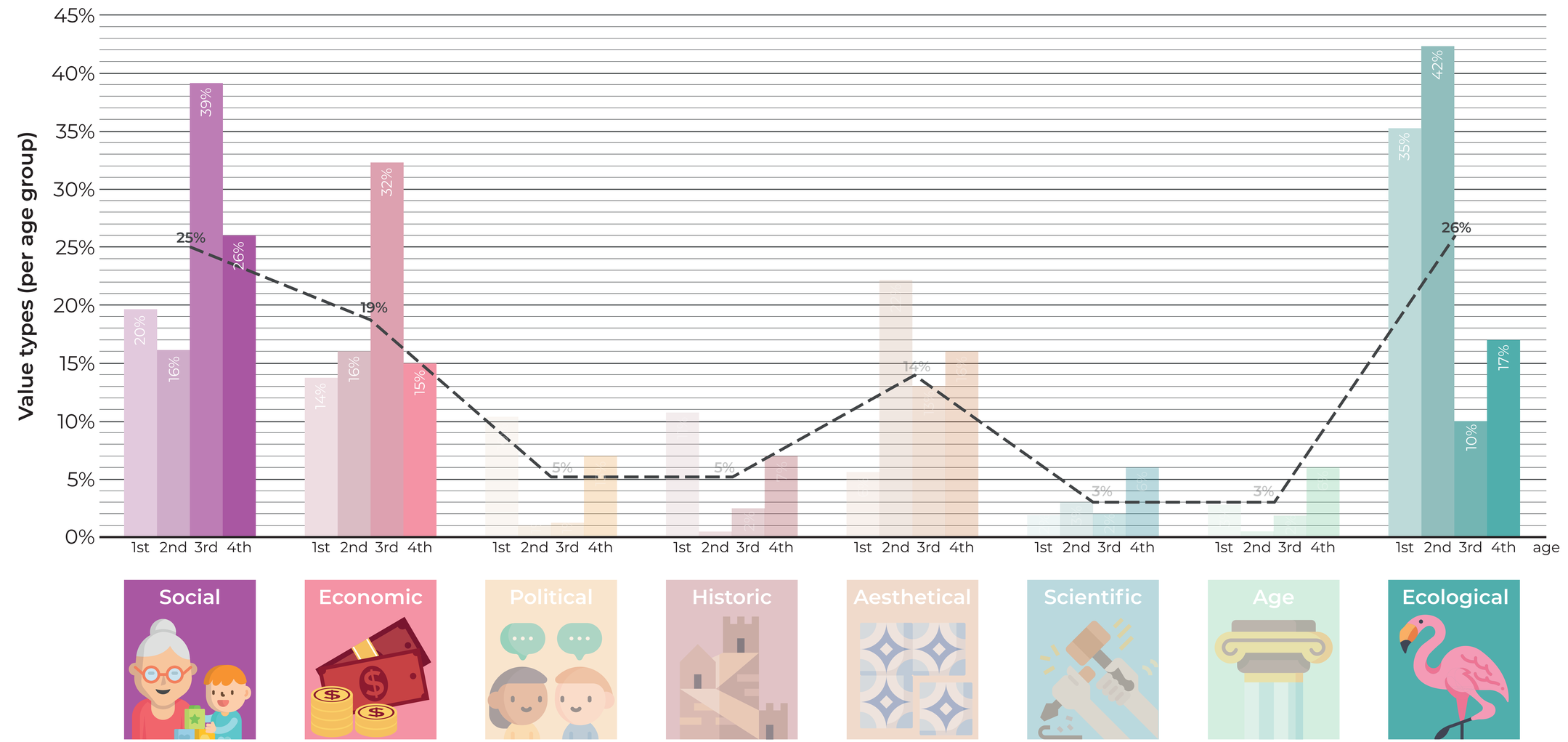
RESULTS


Tenha uma exposição de pinturas de artistas da região
Organize um mercado onde as pessoas possam vender seus próprios produtos
Criar mais áreas protegidas para animais na Ria Formosa
Criar mais trilhos pedestres pela Ria Formosa para turistas
Construir edifícios mais modernos
Crie uma vitrine pública de artefatos de mouros
Faça de Faro a capital gastronómica da região do Algarve
Crie um sistema de adoção de animais para cães vadios
Criar um centro comunitário para as pessoas se encontrarem e organizarem encontros
Prefeito de Faro
#010
aceitar
+2 0 -2 +1
-2 0 +1 0
#036
aceitar
0 +1 0 0

RESULTS

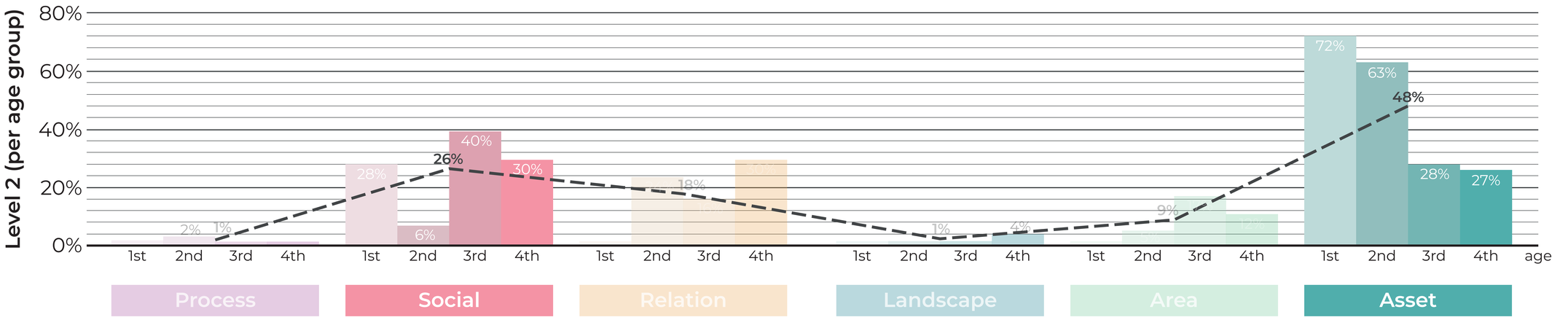
	Used		Yes		No		Used	Yes		No		Proposition
Social	11	15%	9	82%	2	18%	3	2	67%	1	33%	Organize a festival for cultural traditions in a park
							0	0	#####	0	#####	Invite elderly people to play games with children at a primary school
							2	1	50%	1	50%	Hold a workshop for children about the traditions of Faro
							2	2	100%	0	0%	Organize a community based arts project
							1	1	100%	0	0%	Organize walking tours to understand what people think of their neighbourhood
							0	0	#####	0	#####	Place chess boards in public areas for people to meet and play
							2	2	100%	0	0%	Organize events for local communities to meet and play sports together
							1	1	100%	0	0%	Create a community centre for people to meet up and organize gatherings
							0	0	#####	0	#####	Organize a street party for neighbours to meet and share food
Economic	8	11%	6	75%	2	25%	2	2	100%	0	0%	Place more solar panels on roofs of public buildings
							0	0	#####	0	#####	Stimulate healthier behaviour through advertisements and workshops
							1	1	100%	0	0%	Create a swimming pool near Ria Formosa for physical education
							0	0	#####	0	#####	Introduce a local currency people can use to support local businesses
							2	1	50%	1	50%	Create more hiking trails through Ria Formosa for tourist
							1	1	100%	0	0%	Create more fishing spots on the edge of the Ria Formosa
							0	0	#####	0	#####	Built a bridge to cross the train station and create more connection with Ria Formosa
							1	1	100%	0	0%	Build a new hotel near the train station
							1	0	0%	1	100%	Create more boat tours through Ria Formosa
Political	14	19%	11	79%	3	21%	1	1	100%	0	0%	Organize communal gatherings to increase cultural awareness
							2	1	50%	1	50%	Create a public garden to showcase the farming of local fruits and vegetables
							1	1	100%	0	0%	Create a video game about Faro in which people can redesign the city
							1	0	0%	1	100%	Organize a built competition for children to make design proposals for the city
							3	3	100%	0	0%	Create an animal adoption system for stray dogs
							2	2	100%	0	0%	Create more bicycle lanes through the city that are separated from the car roads
							2	2	100%	0	0%	Make Faro the culinary capital of the Algarve region
							1	0	0%	1	100%	Invite people to church gatherings to learn more about religion
							1	1	100%	0	0%	Limit the amount of boats in the marina to allow for recreational use
ic							1	1	100%	0	0%	Make an educational movie about the history of Faro
							0	0	#####	0	#####	Change the Arco do Repouso from a car street into a small public square
							1	1	100%	0	0%	Restore the old factory building near the station for public functions

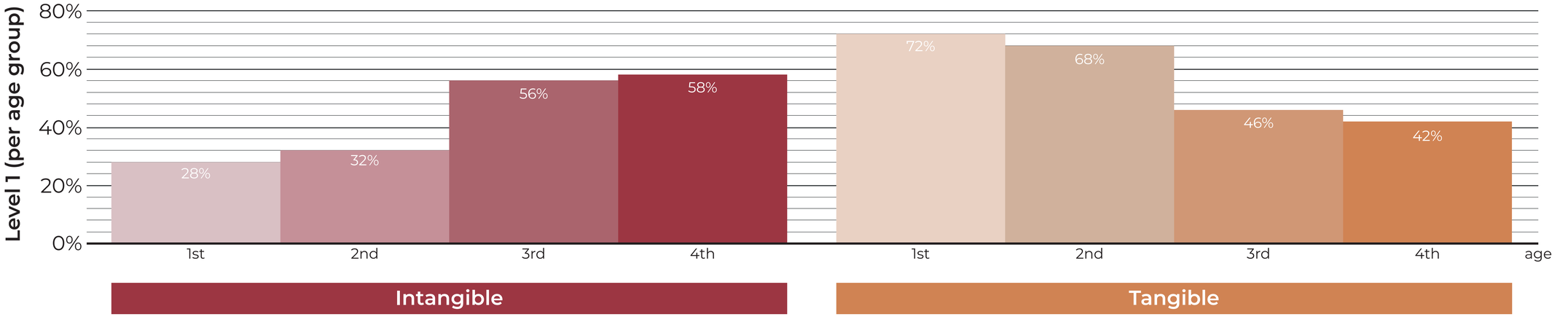
RESULTS



Value results sheet

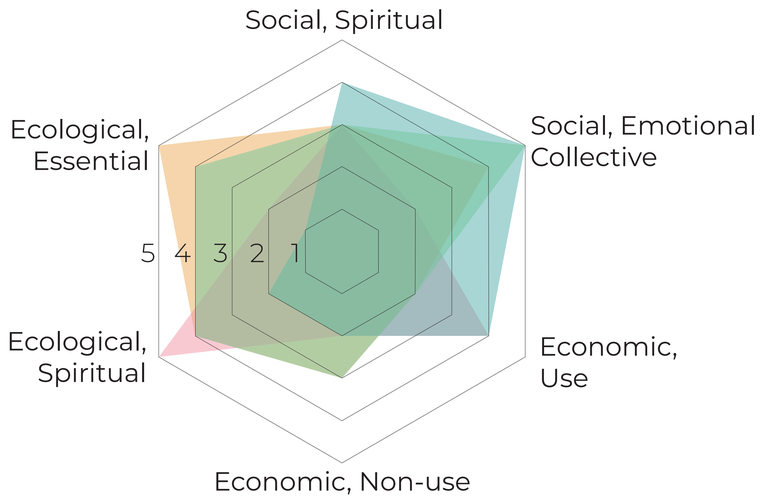
RESULTS


Level 2 (per age group)
80%
60%
40%
20%
0%
1st 2nd 3rd 4th 1st 2nd 3rd 4th 1st 2nd 3rd 4th 1st 2nd 3rd 4th 1st 2nd 3rd 4th 1st 2nd 3rd 4th age
2% 1%
28% 6% 40% 30%
26%
18%
1% 4%
9%
72% 63% 28% 27%
48%
Process
Social
Relation
Landscape
Area
Asset

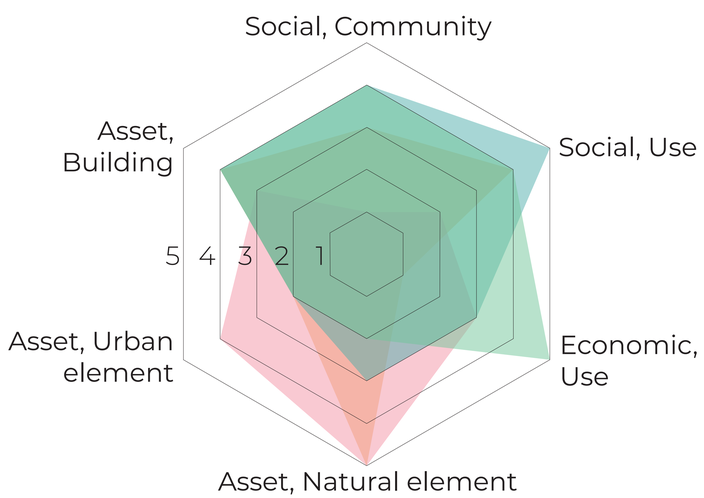

Level 1 (per age group)
80%
60%
40%
20%
0%
1st 2nd 3rd 4th 1st 2nd 3rd 4th age
28% 32% 56% 58%
72% 68% 46% 42%
Intangible
Tangible

RESULTS

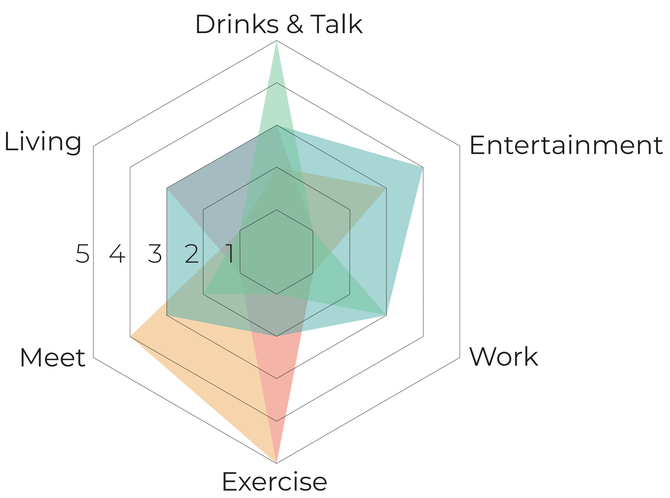
Values

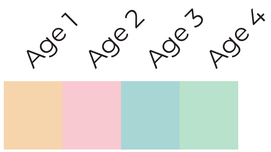


Attributes

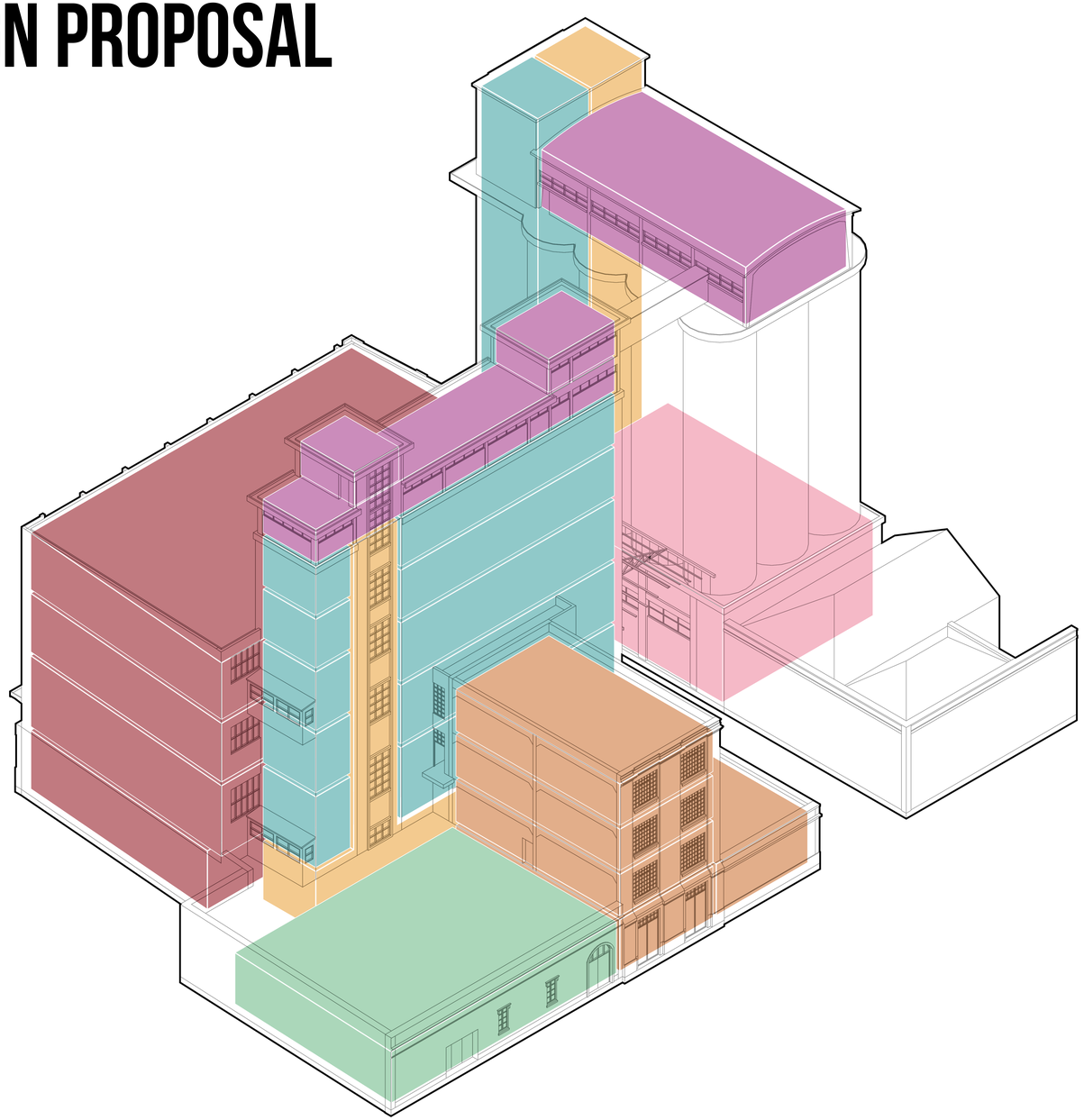


Social, use





DESIGN PROPOSAL



376 m²
1461 m³

275 m²
2115 m³

2398 m²
12032 m³

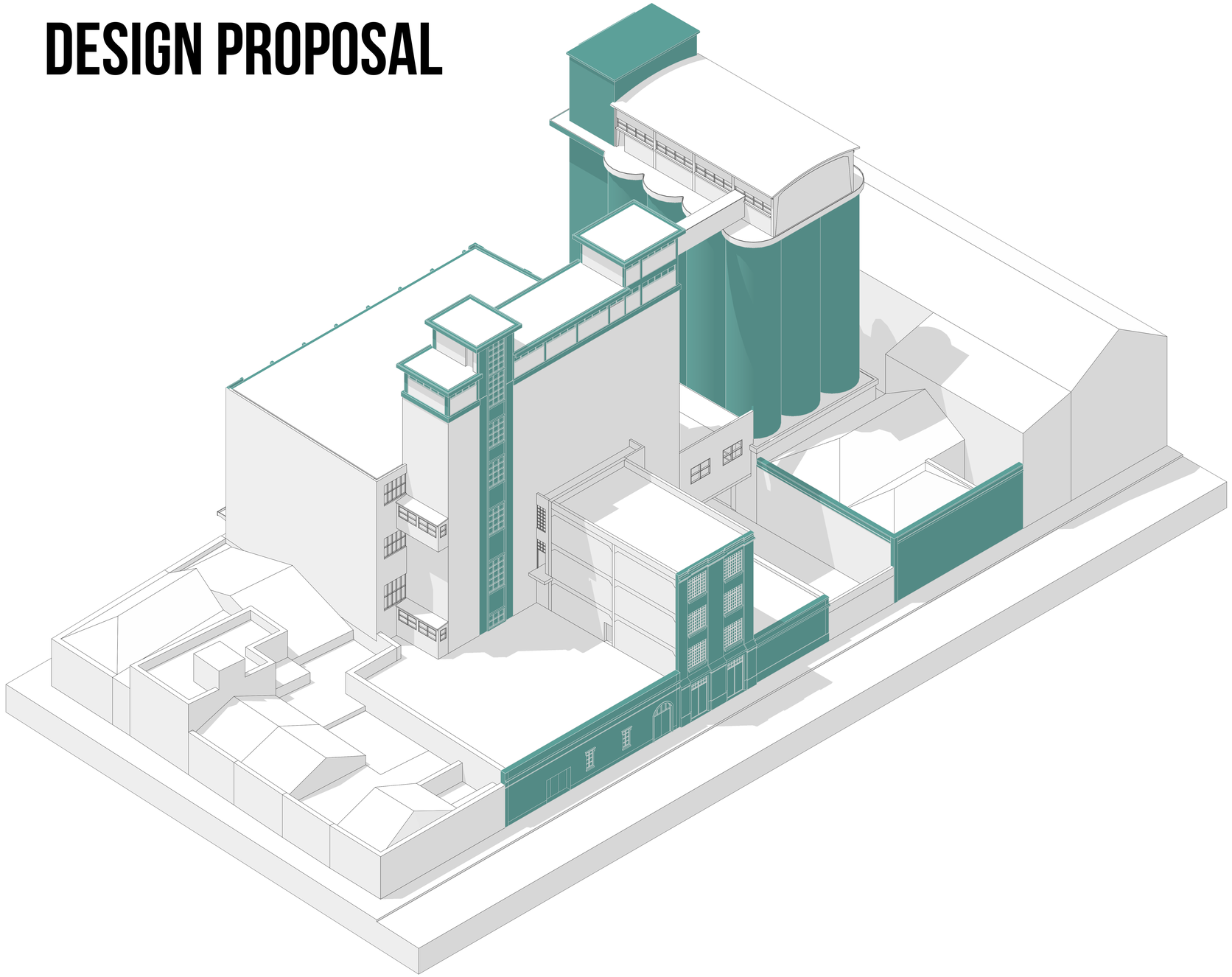
646 m²
2393 m³

324 m²
1361 m³

730 m²
3533 m³

443 m²
2233 m³

DESIGN PROPOSAL

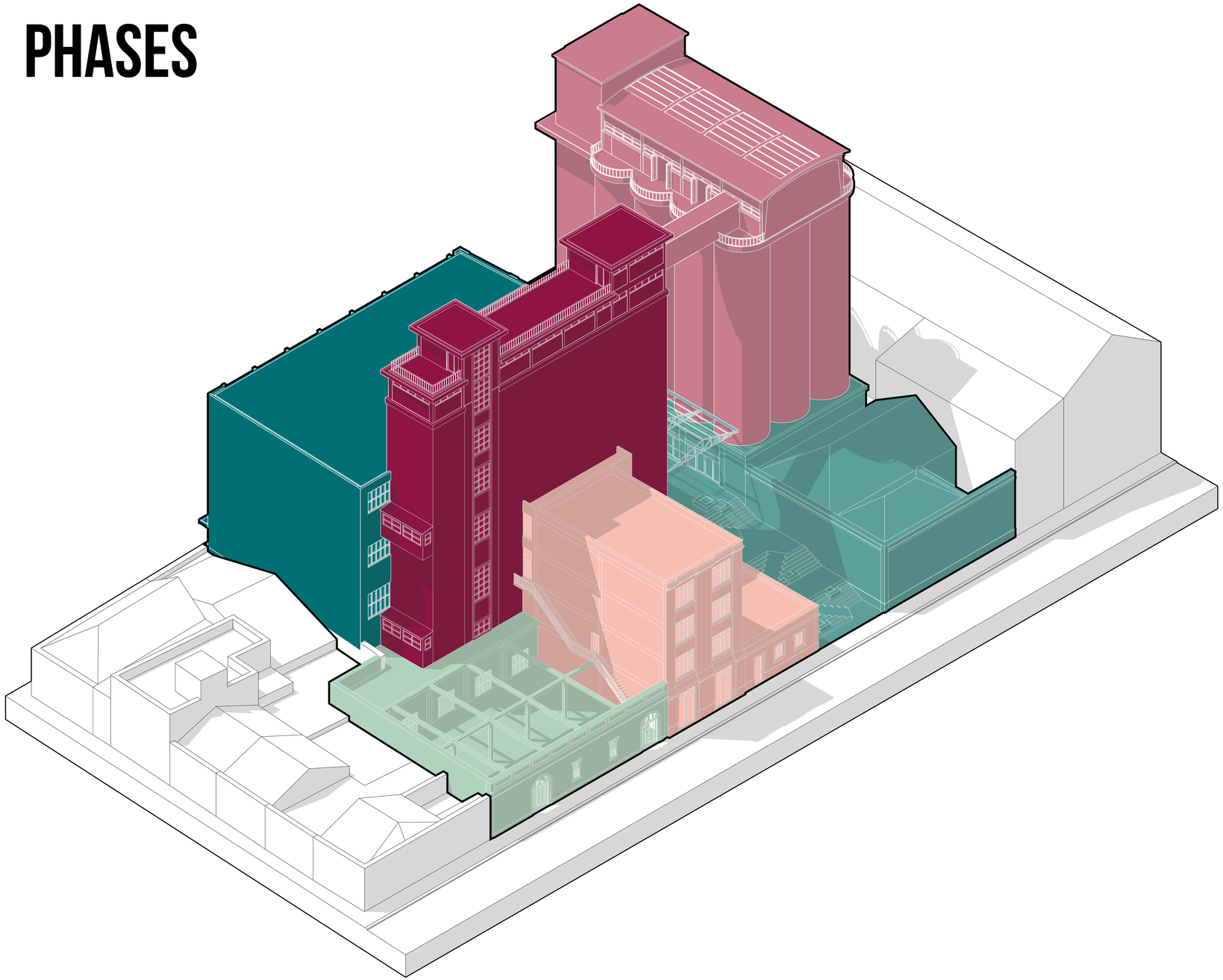








PHASES



1 COMMUNAL GARDEN

2 COMMUNITY CENTRE

3 CONNECTING PASSAGE

4 ROOFTOP RESTAURANT

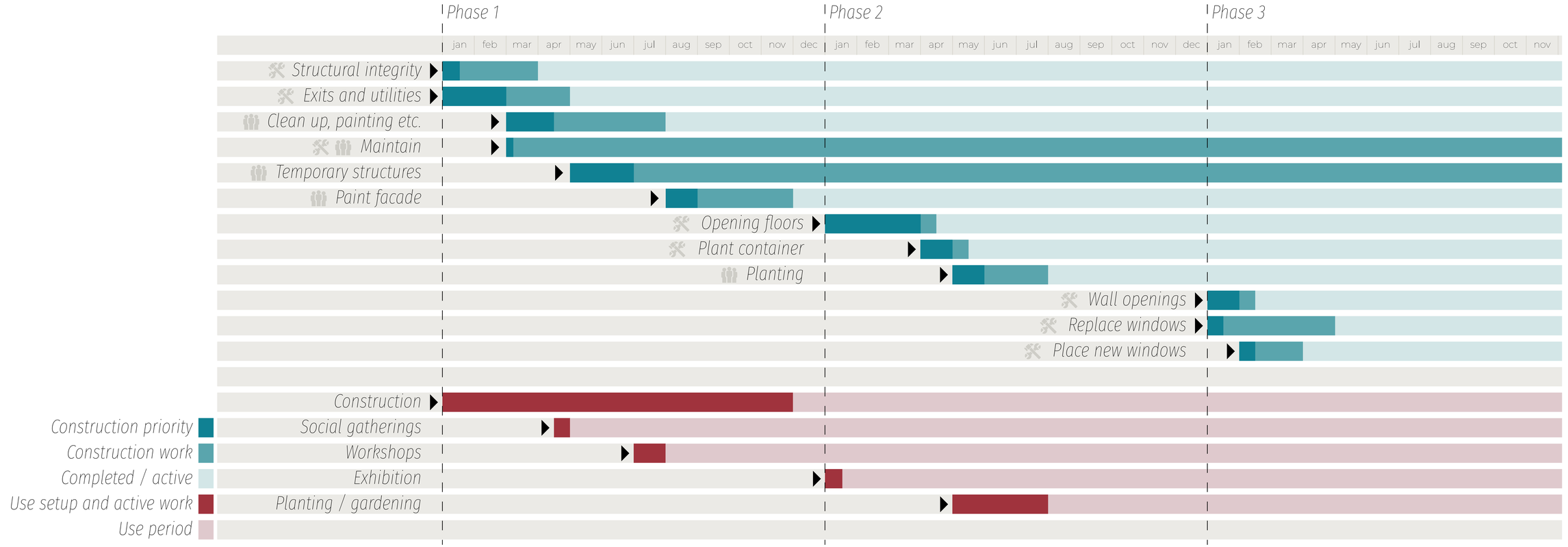
5 WORKSHOP HALL

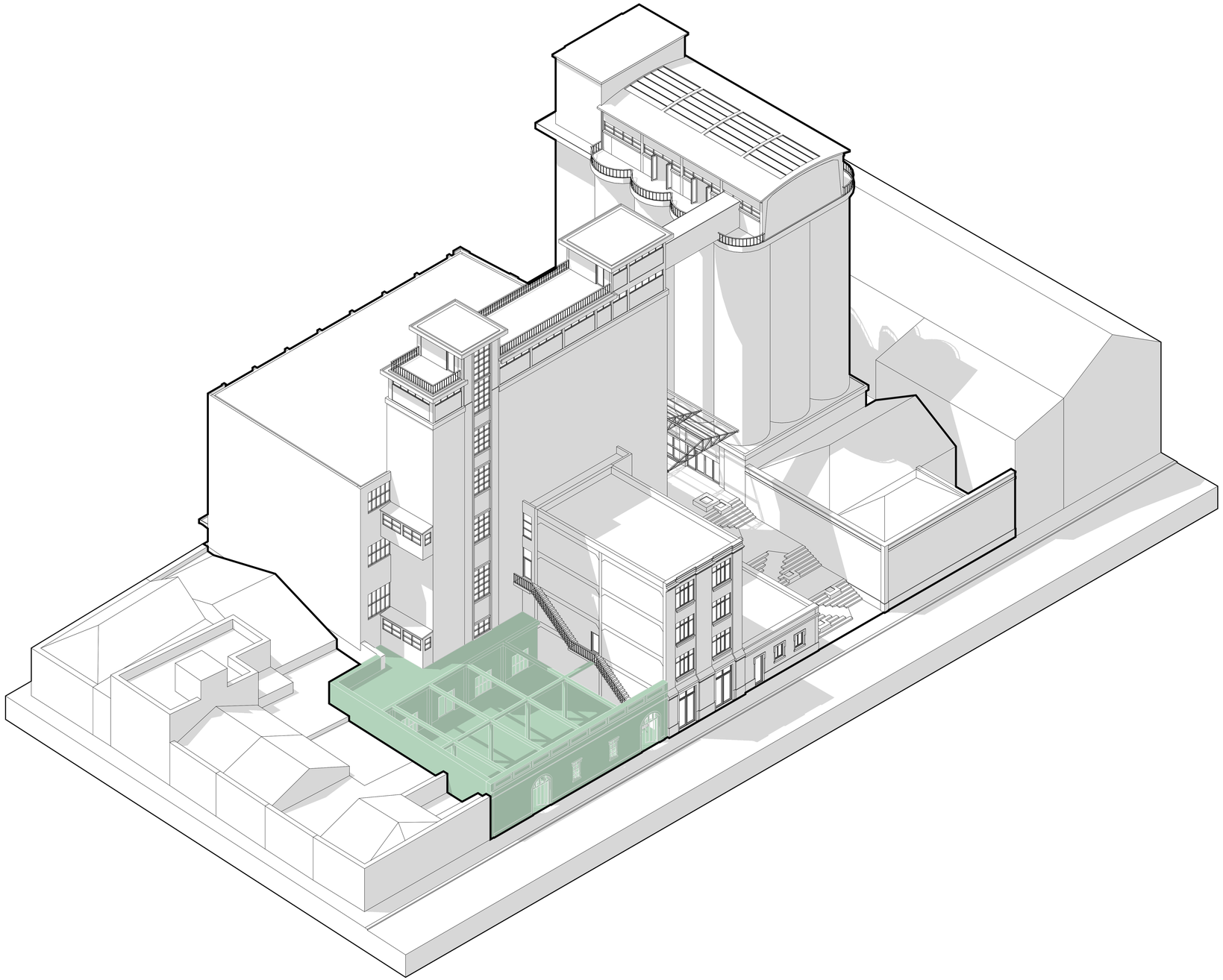
6 ROOFTOP CLUB

PHASES



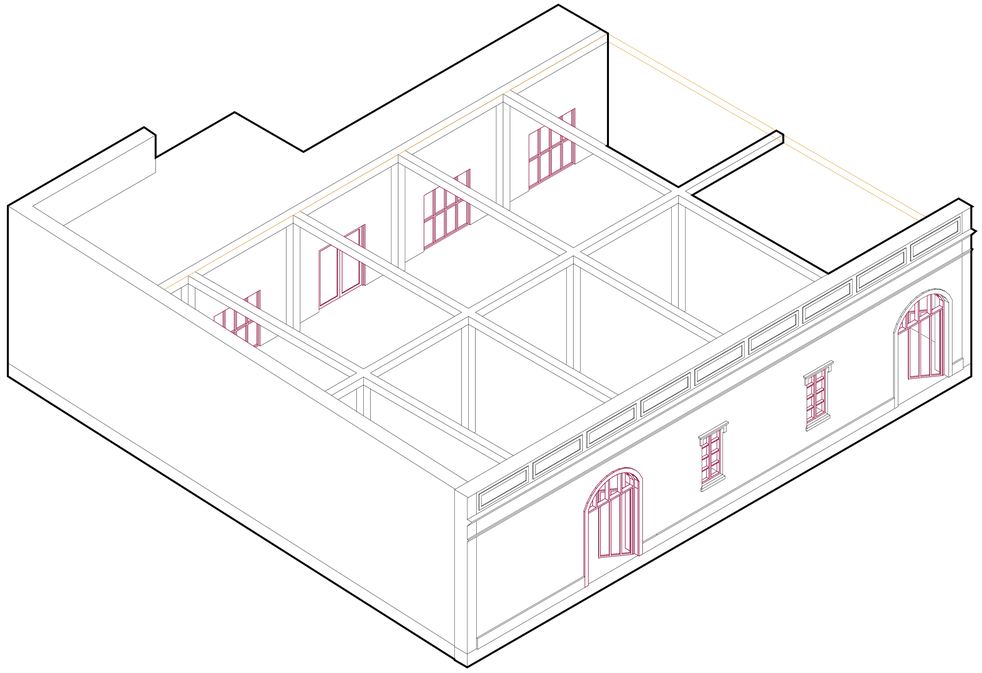


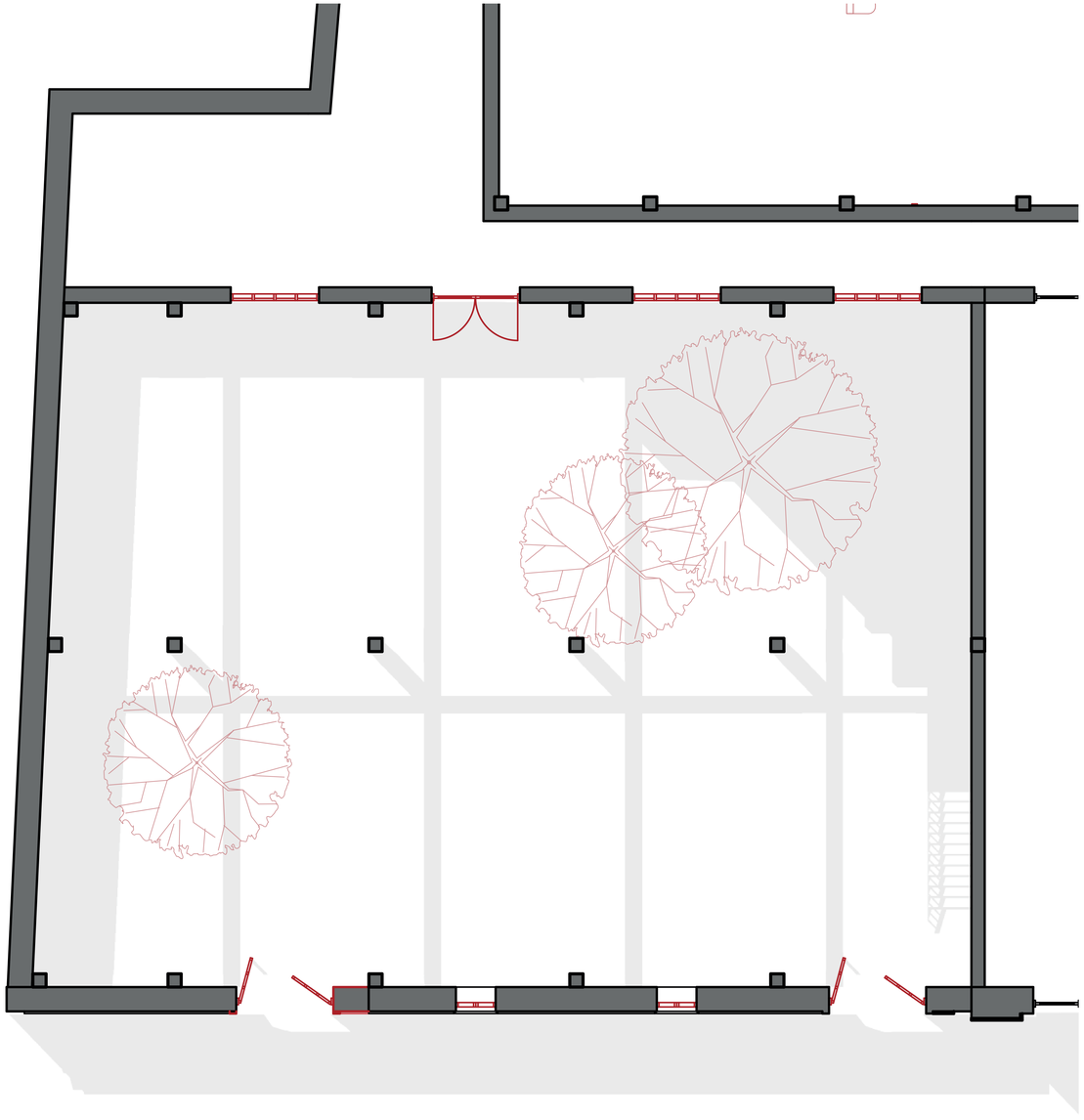

Phase 1
Phase 2
Phase 3
jan feb mar apr may jun jul aug sep oct nov dec jan feb mar apr may jun jul aug sep oct nov dec jan feb mar apr may jun jul aug sep oct nov
Structural integrity
Exits and utilities
Clean up, painting etc.
Maintain
Temporary structures
Paint facade
Opening floors
Plant container
Planting
Wall openings
Replace windows
Place new windows
Construction
Social gatherings
Workshops
Exhibition
Planting / gardening
Construction priority
Construction work
Completed / active
Use setup and active work
Use period



PHASE 1,
COMMUNAL GARDEN



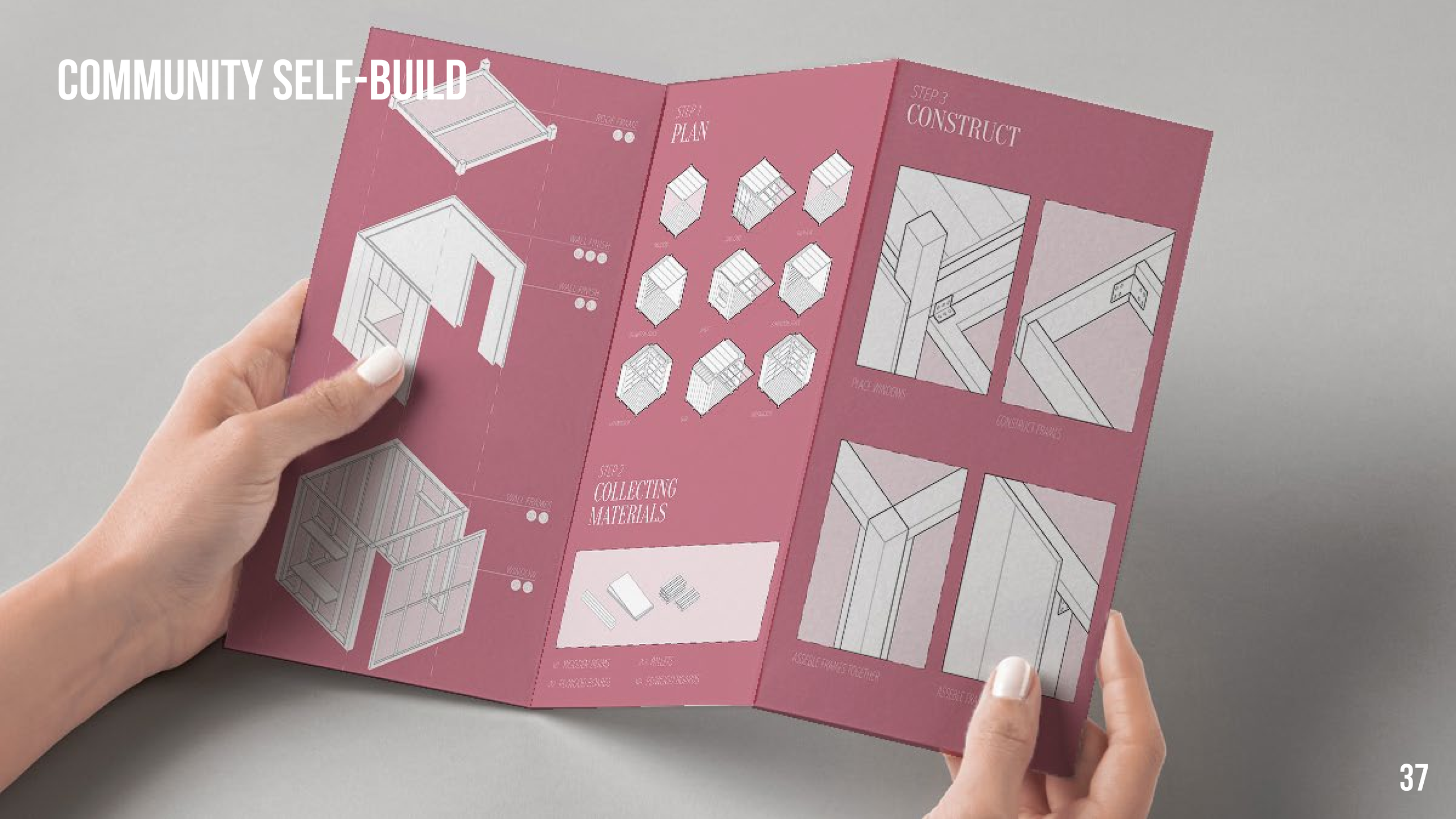




COMMUNITY OWNERSHIP / SELF-BUILD

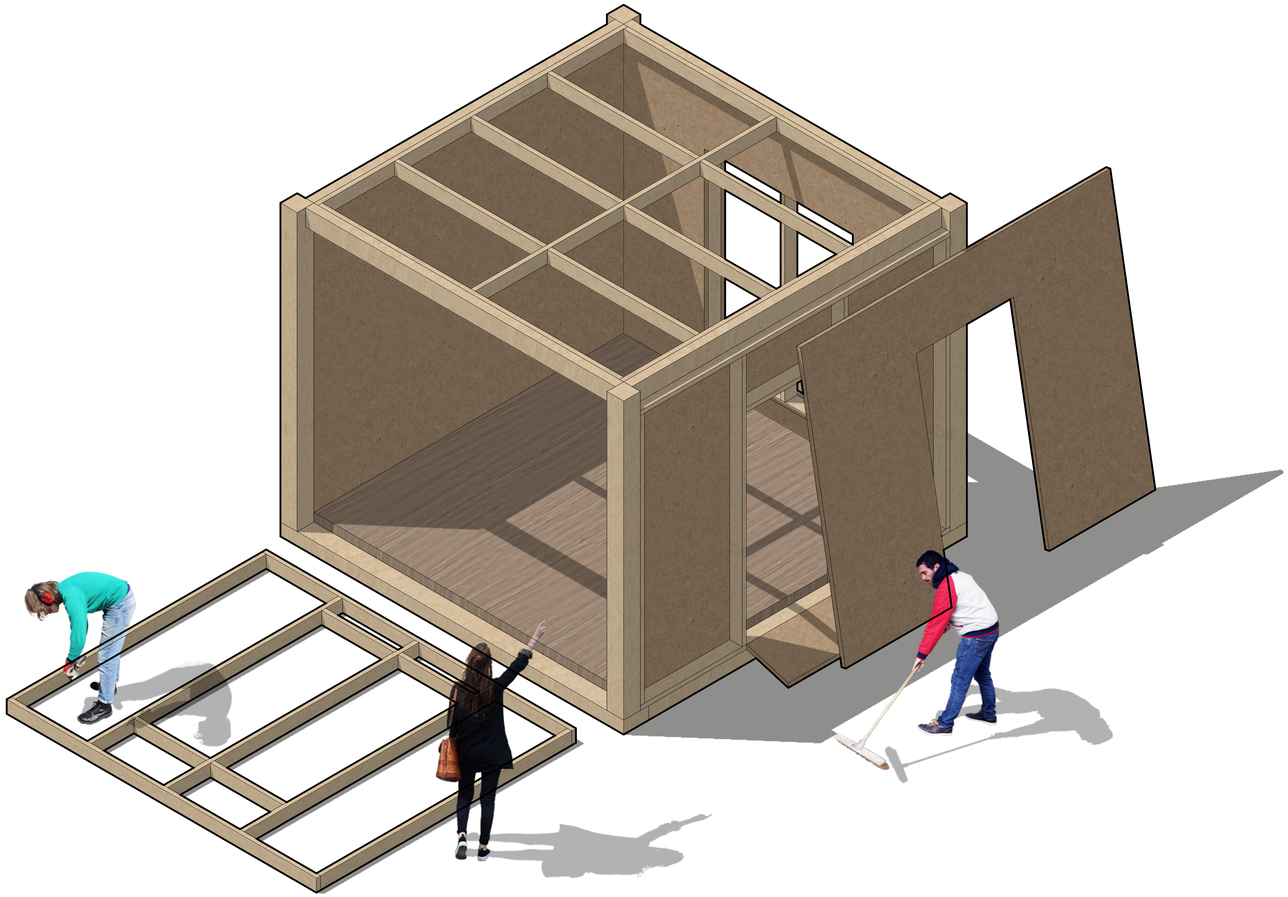


COMMUNITY SELF-BUILD

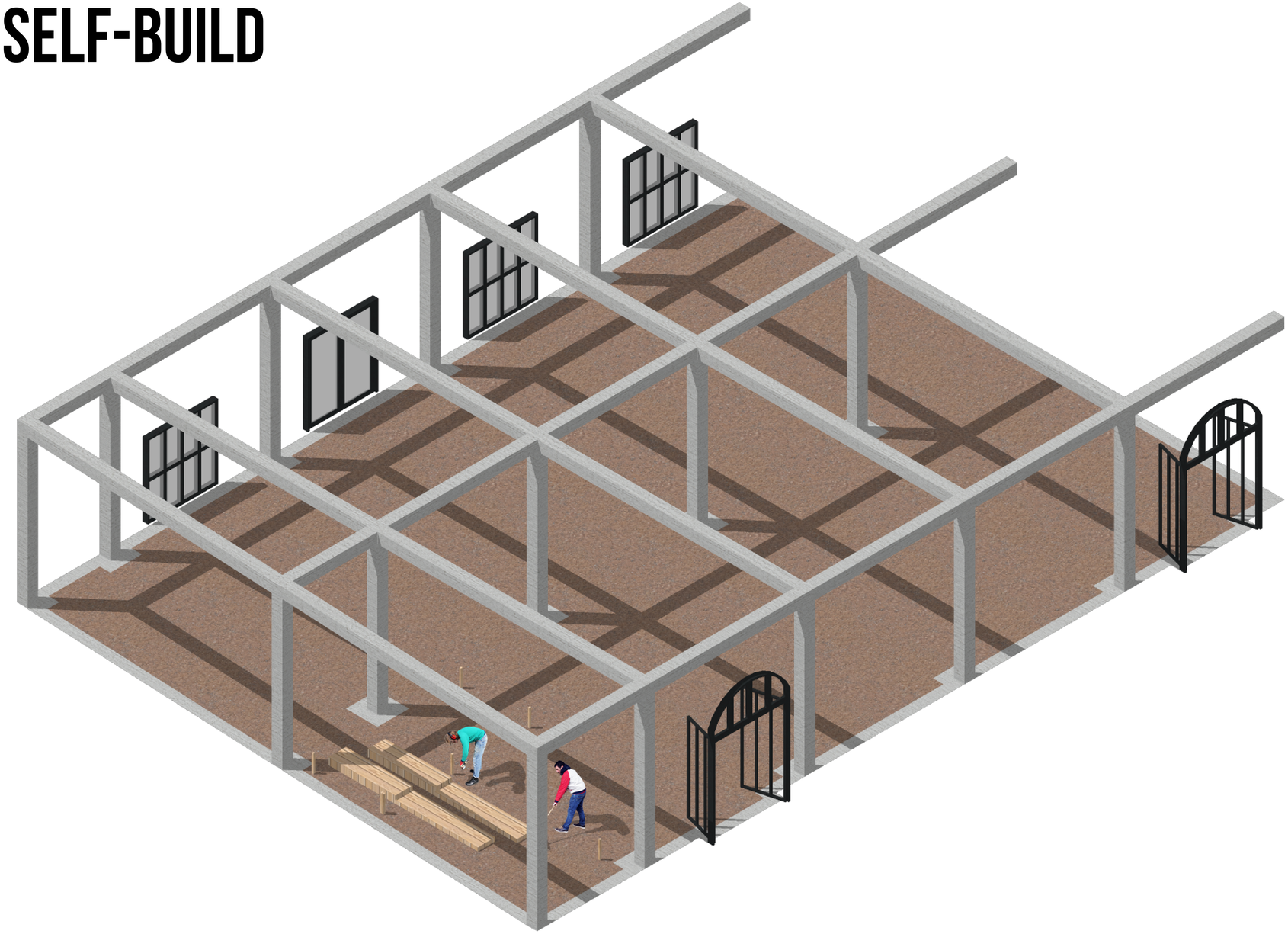


COMMUNITY SELF-BUILD





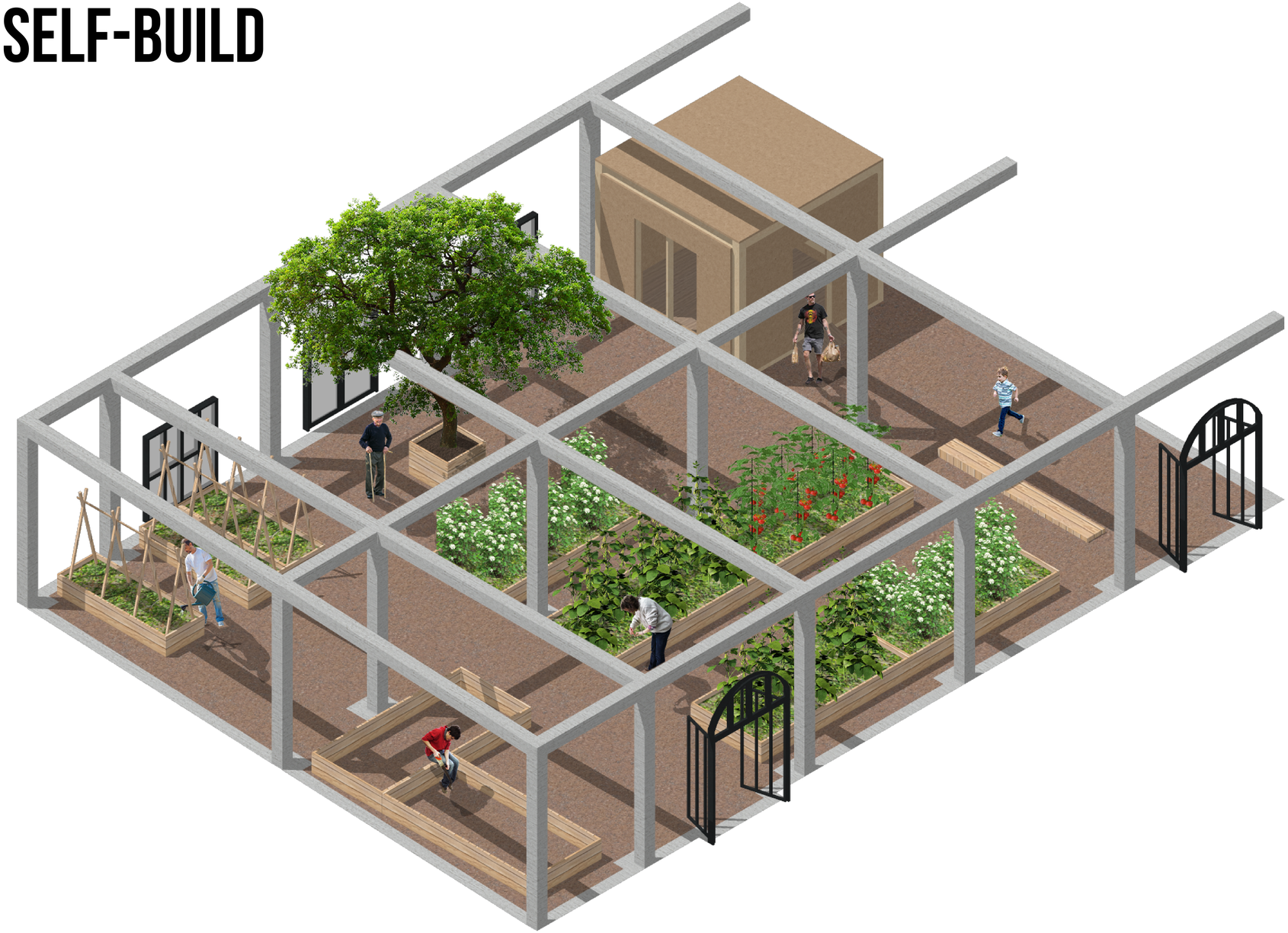
COMMUNITY SELF-BUILD



COMMUNITY SELF-BUILD

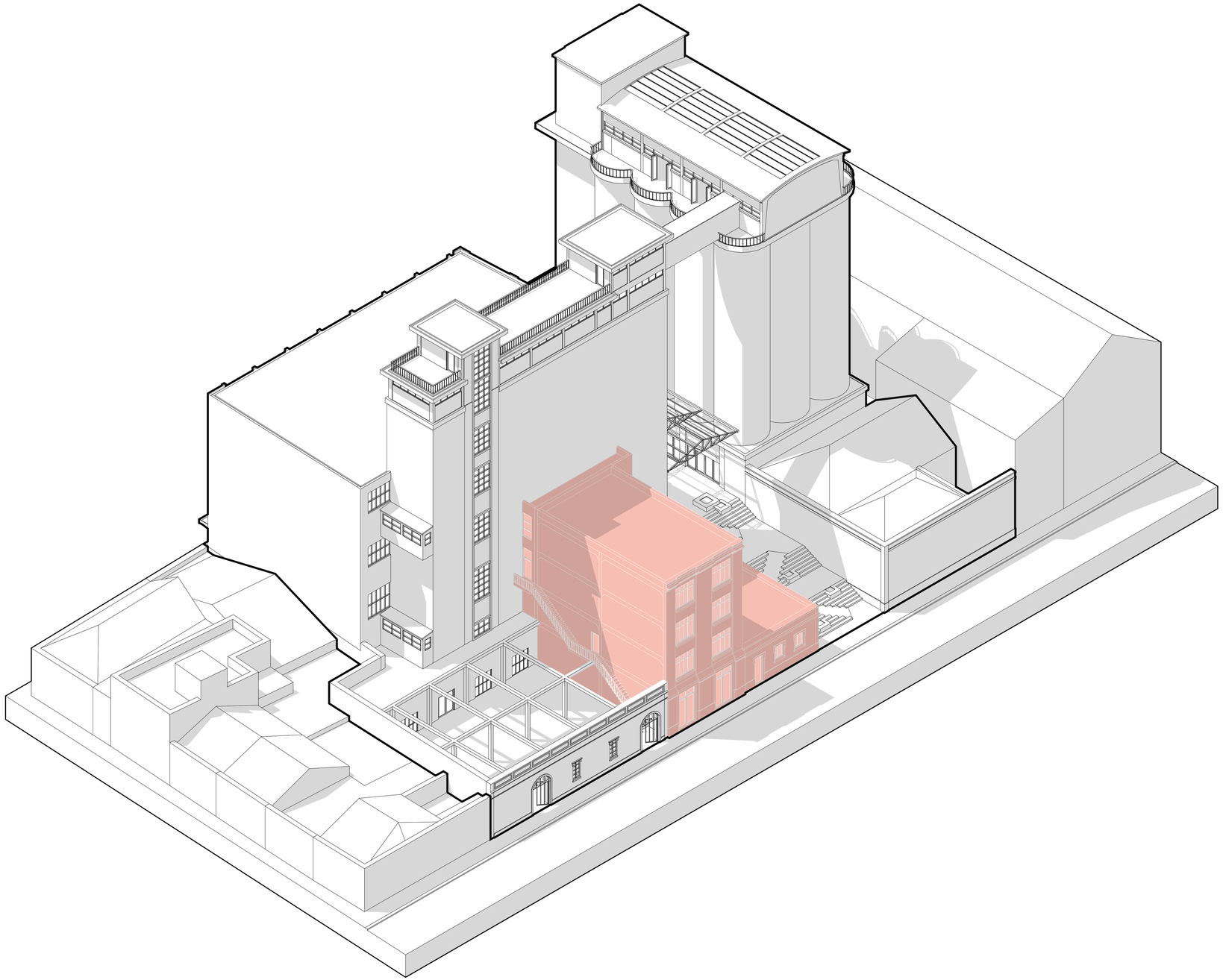


COMMUNITY SELF-BUILD



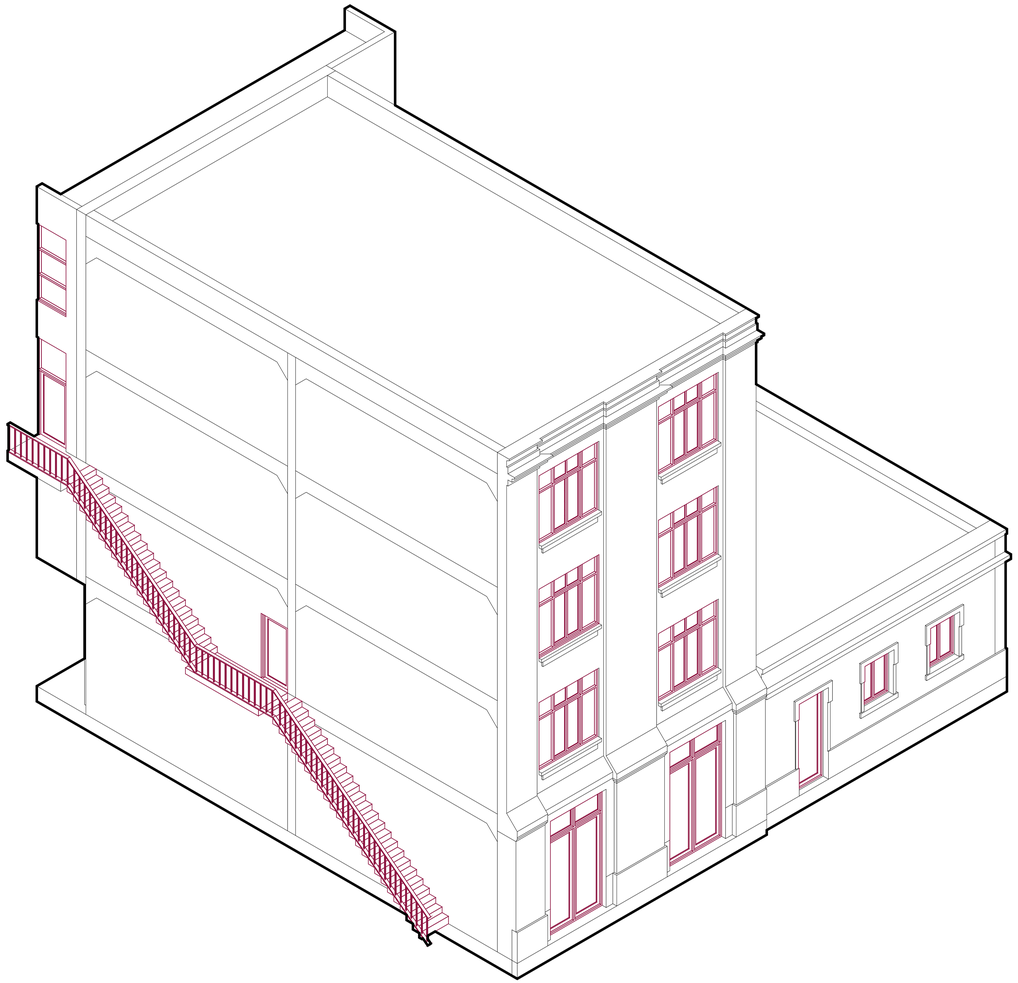
COMMUNITY SELF-BUILD

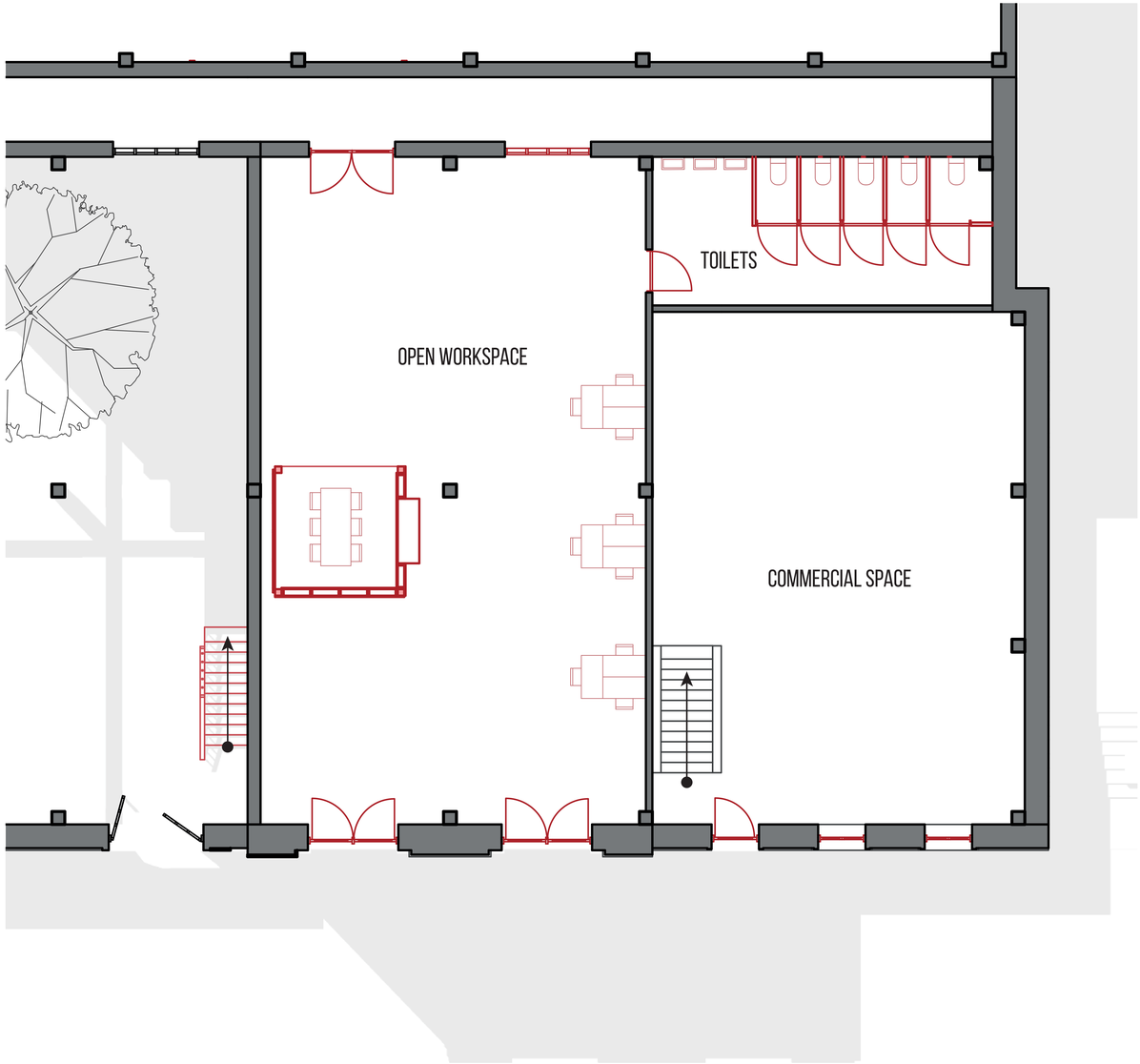


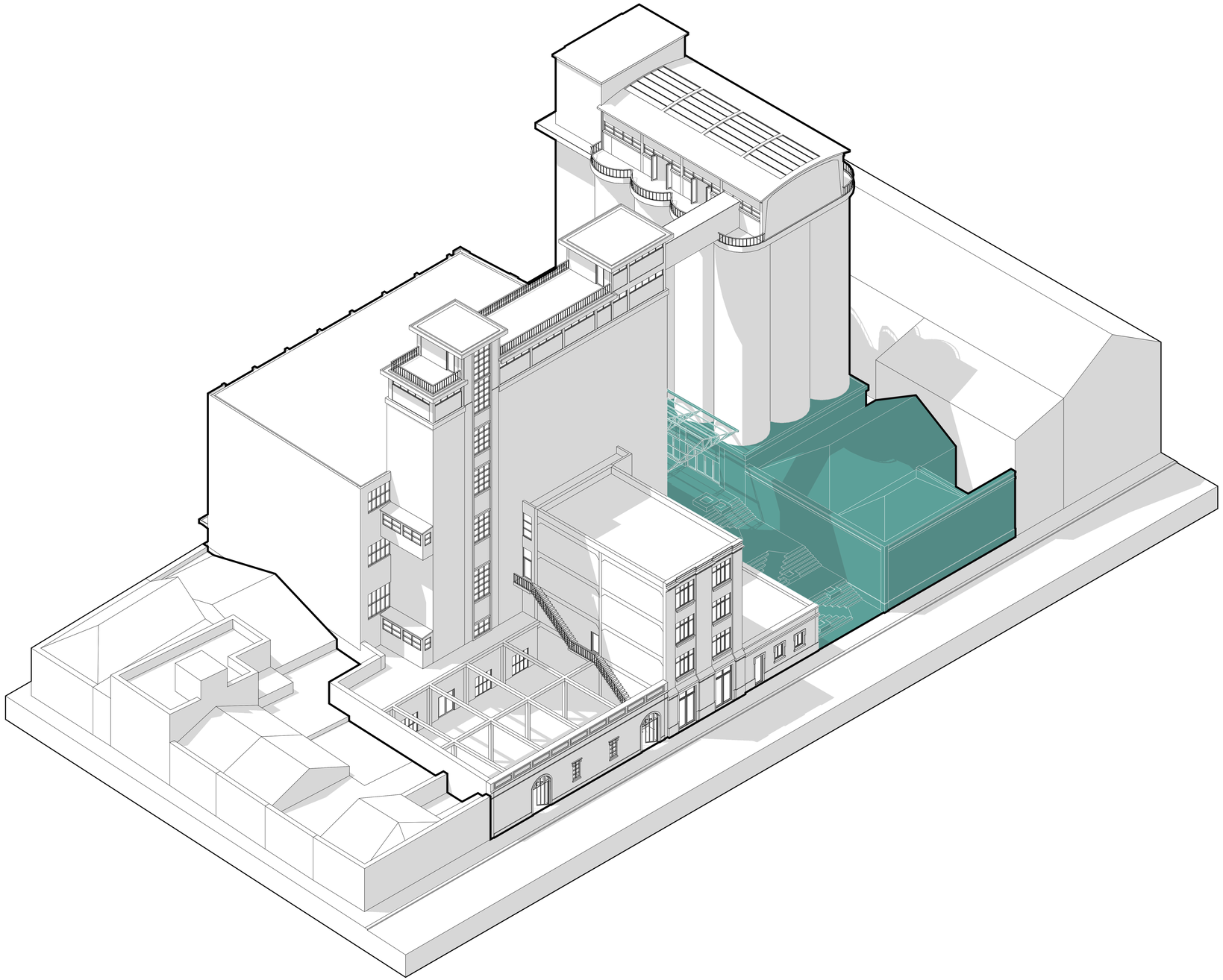


PHASE 2, COMMUNITY CENTRE





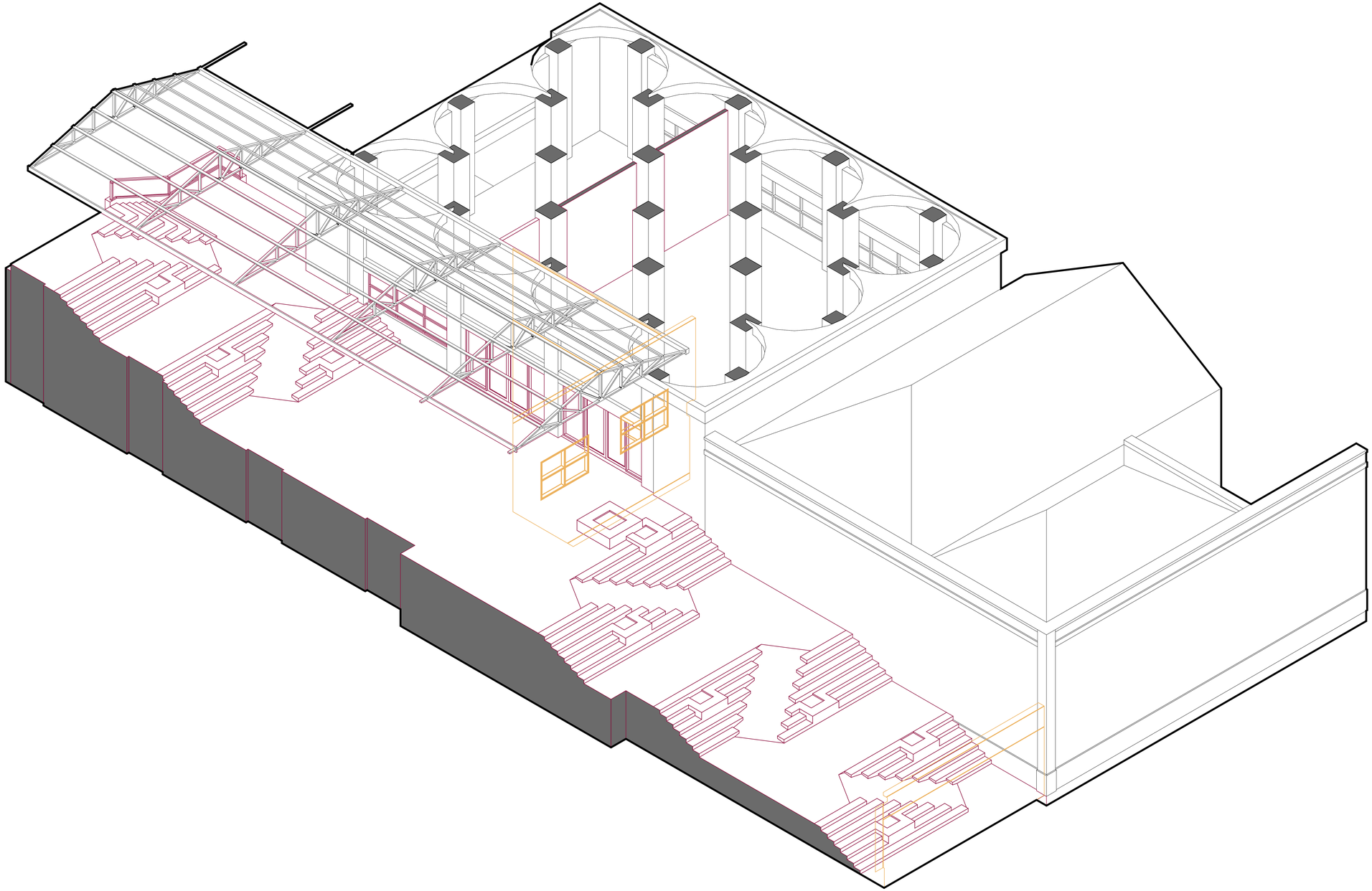

TOILETS
OPEN WORKSPACE
COMMERCIAL SPACE

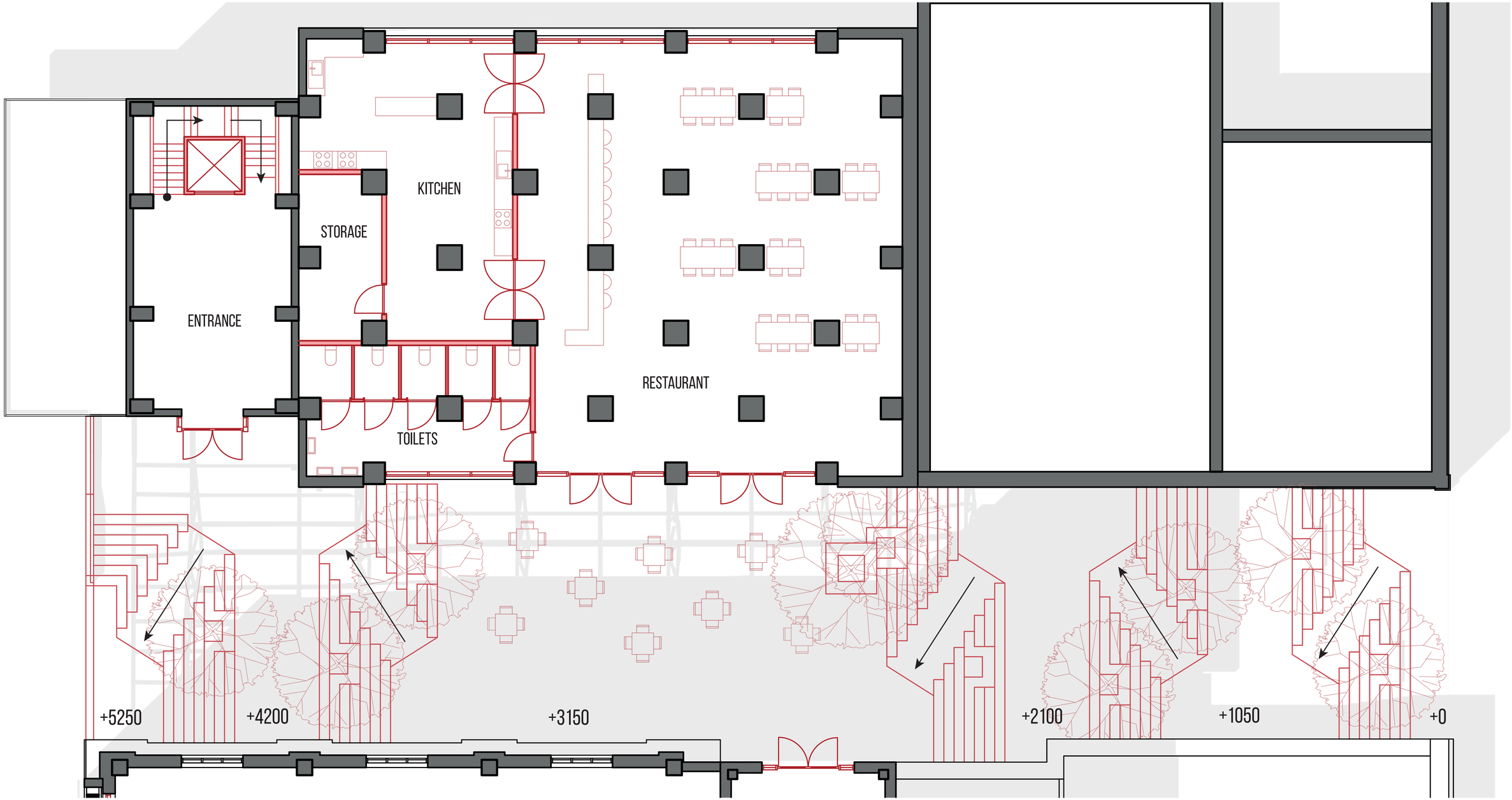


PHASE 3,
CONNECTING PASSAGE

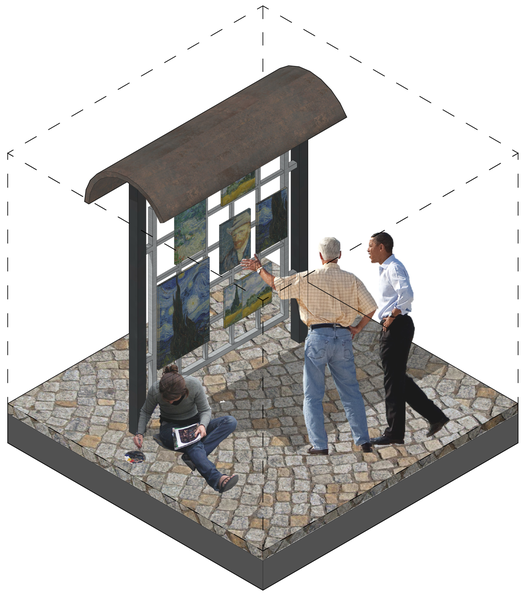




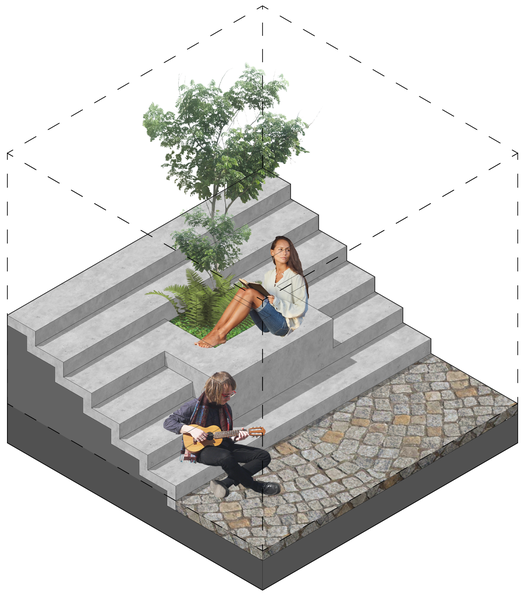



KITCHEN
STORAGE
ENTRANCE
TOILETS
RESTAURANT
+5250
+4200
+3150
+2100
+1050
+0

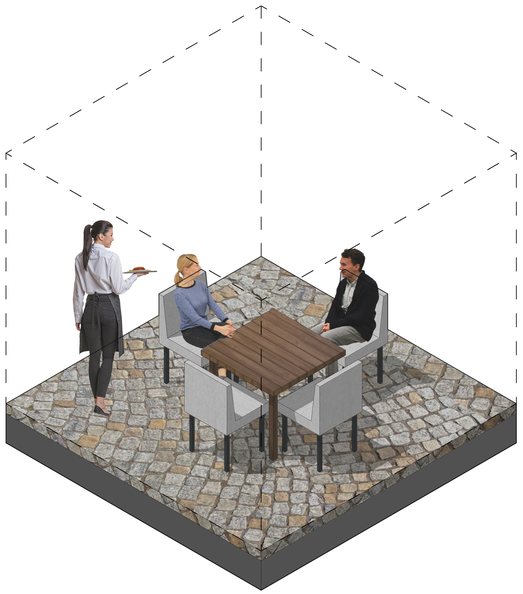
SOCIAL INTERACTION THROUGH ...



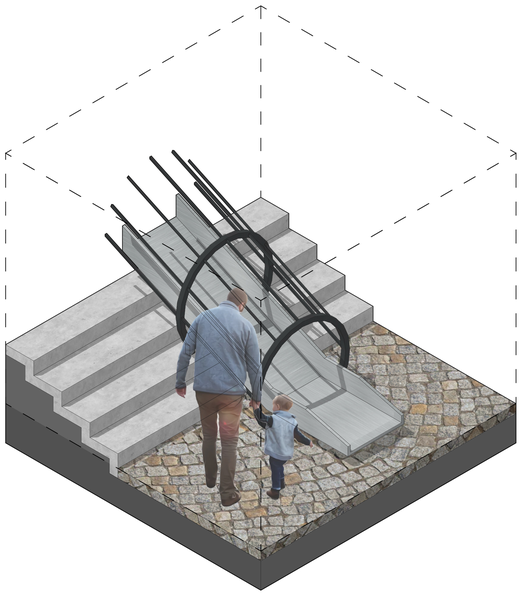
ART



RELAXATION



GATHERING



PLAY

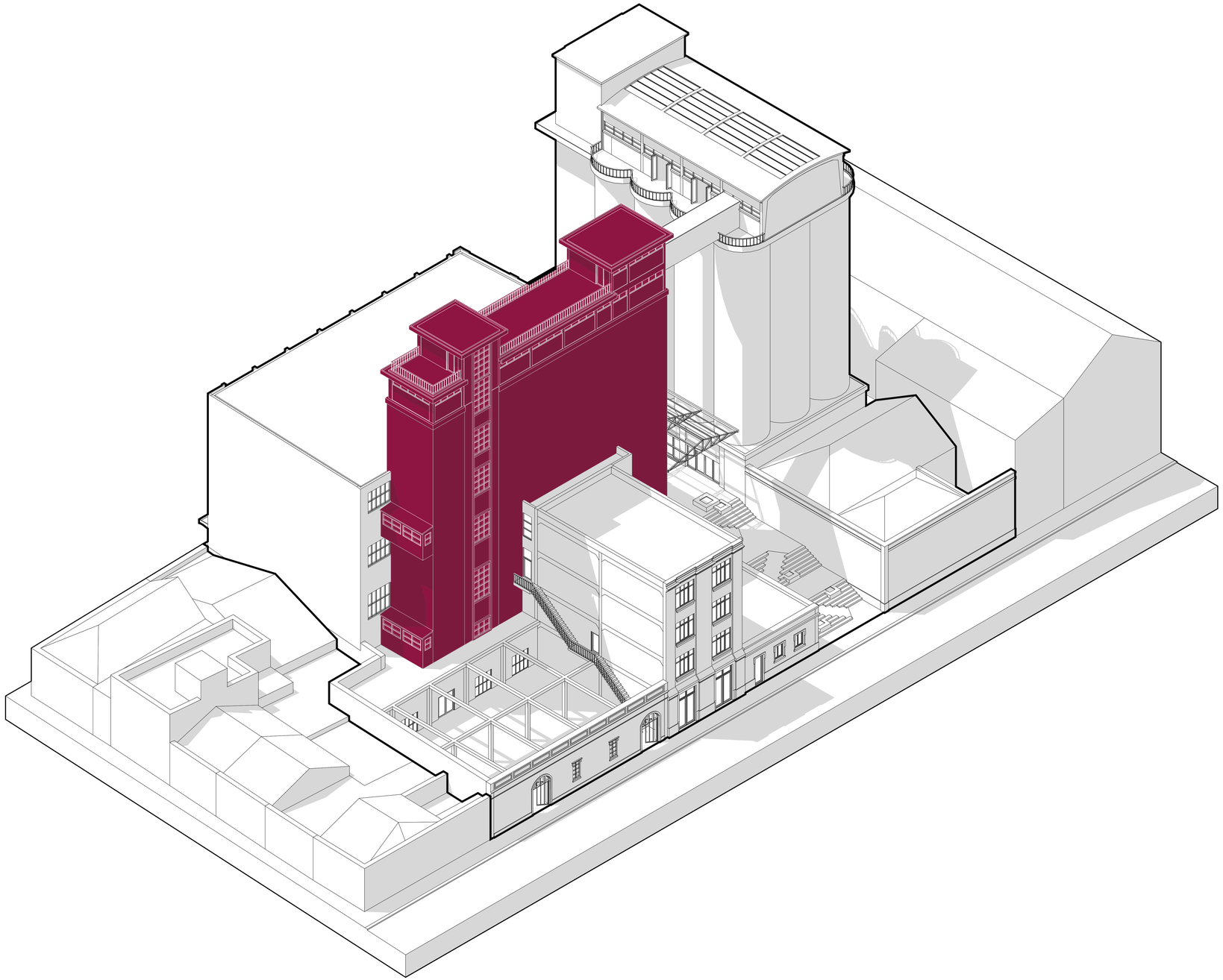


CONNECTION



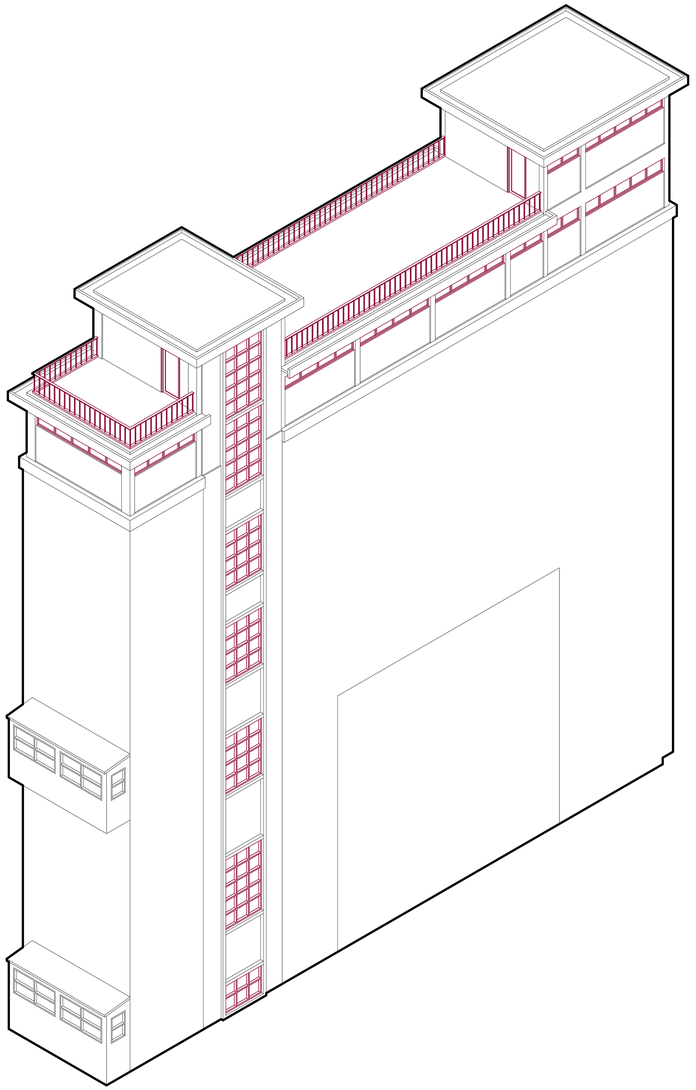
CONNECTION

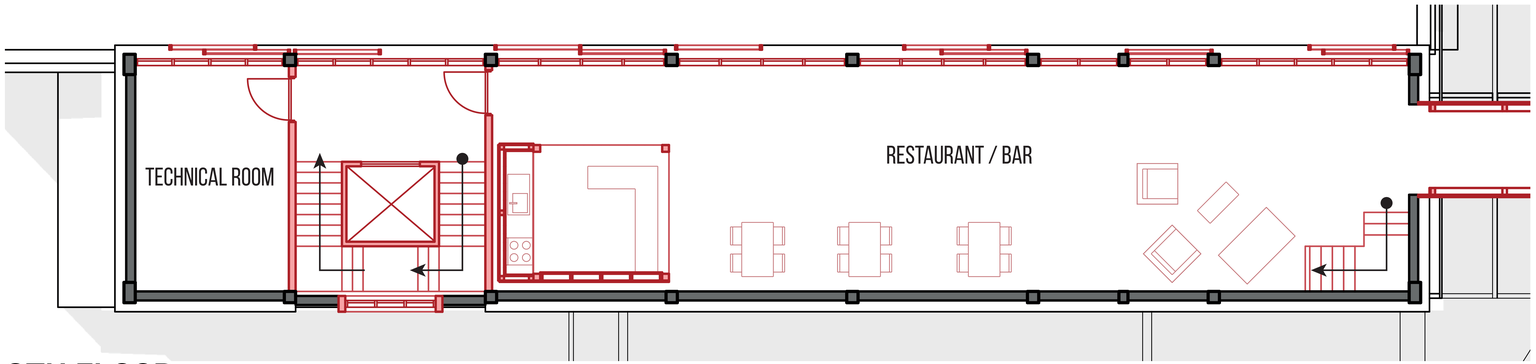




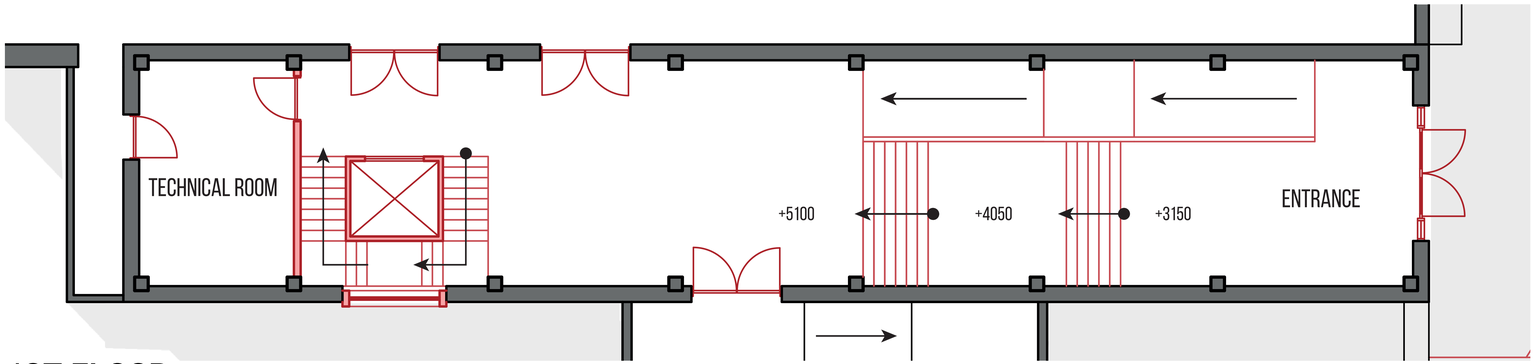
PHASE 4,
ROOFTOP RESTAURANT





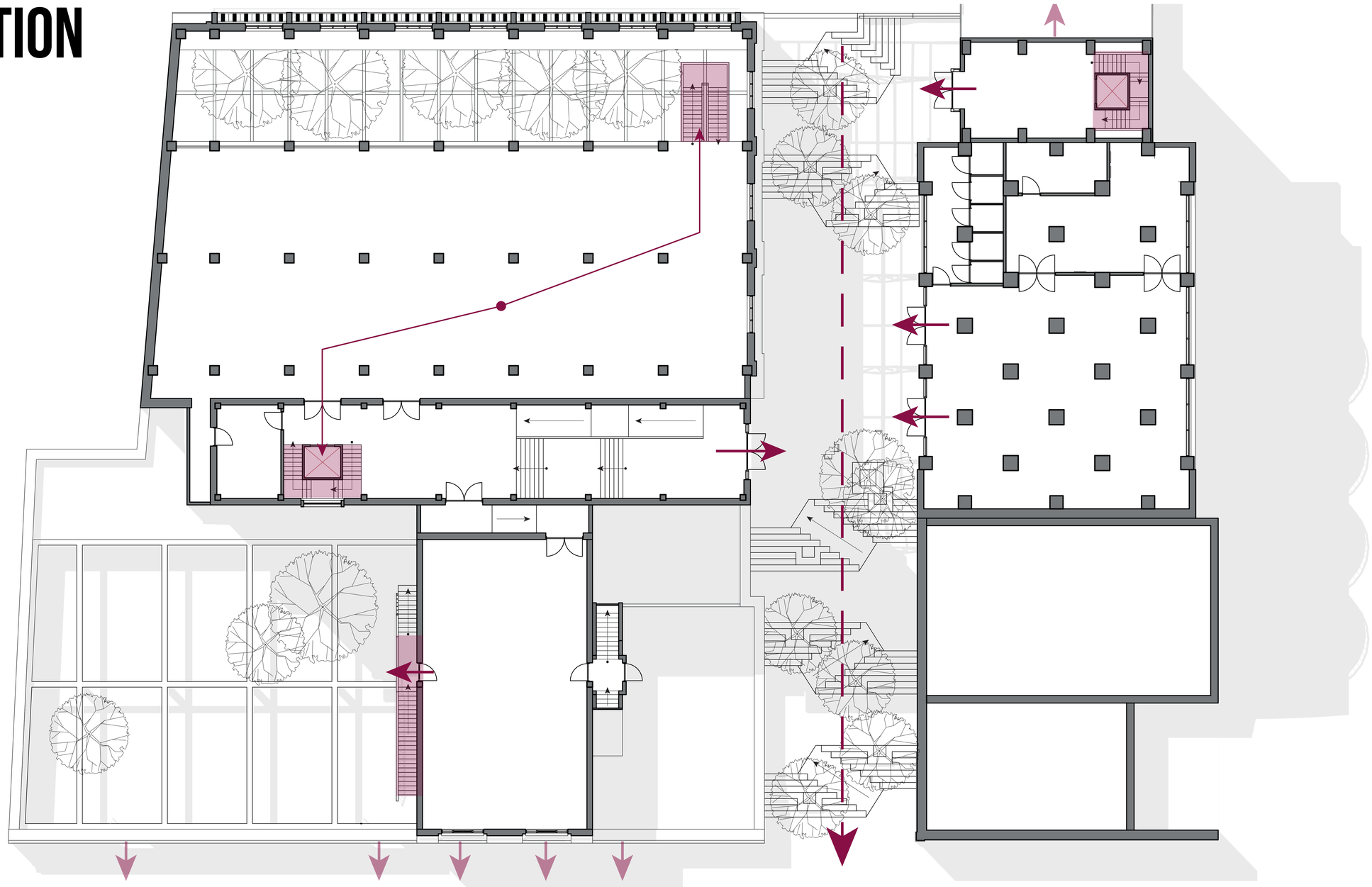


6TH FLOOR



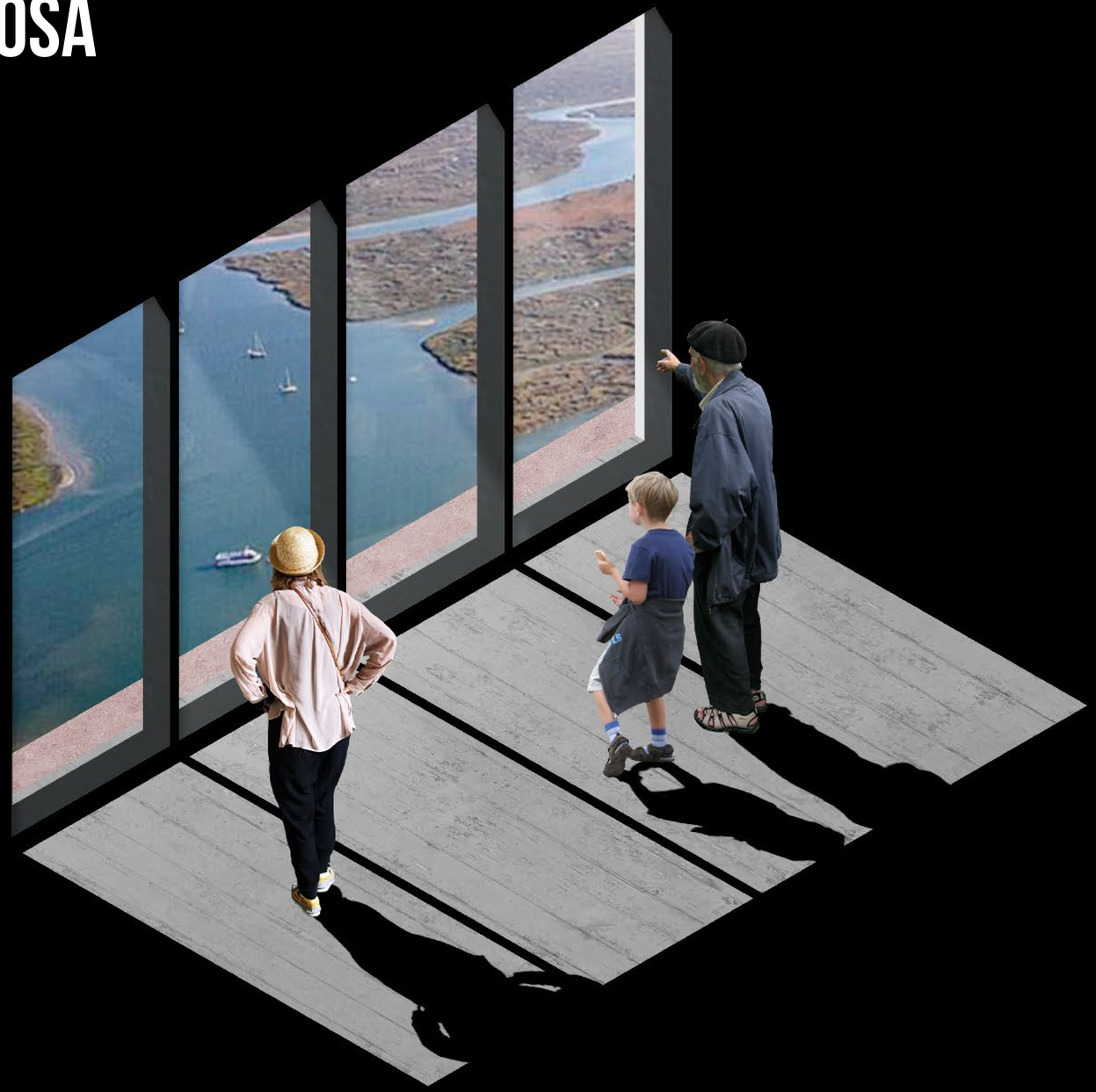
1ST FLOOR

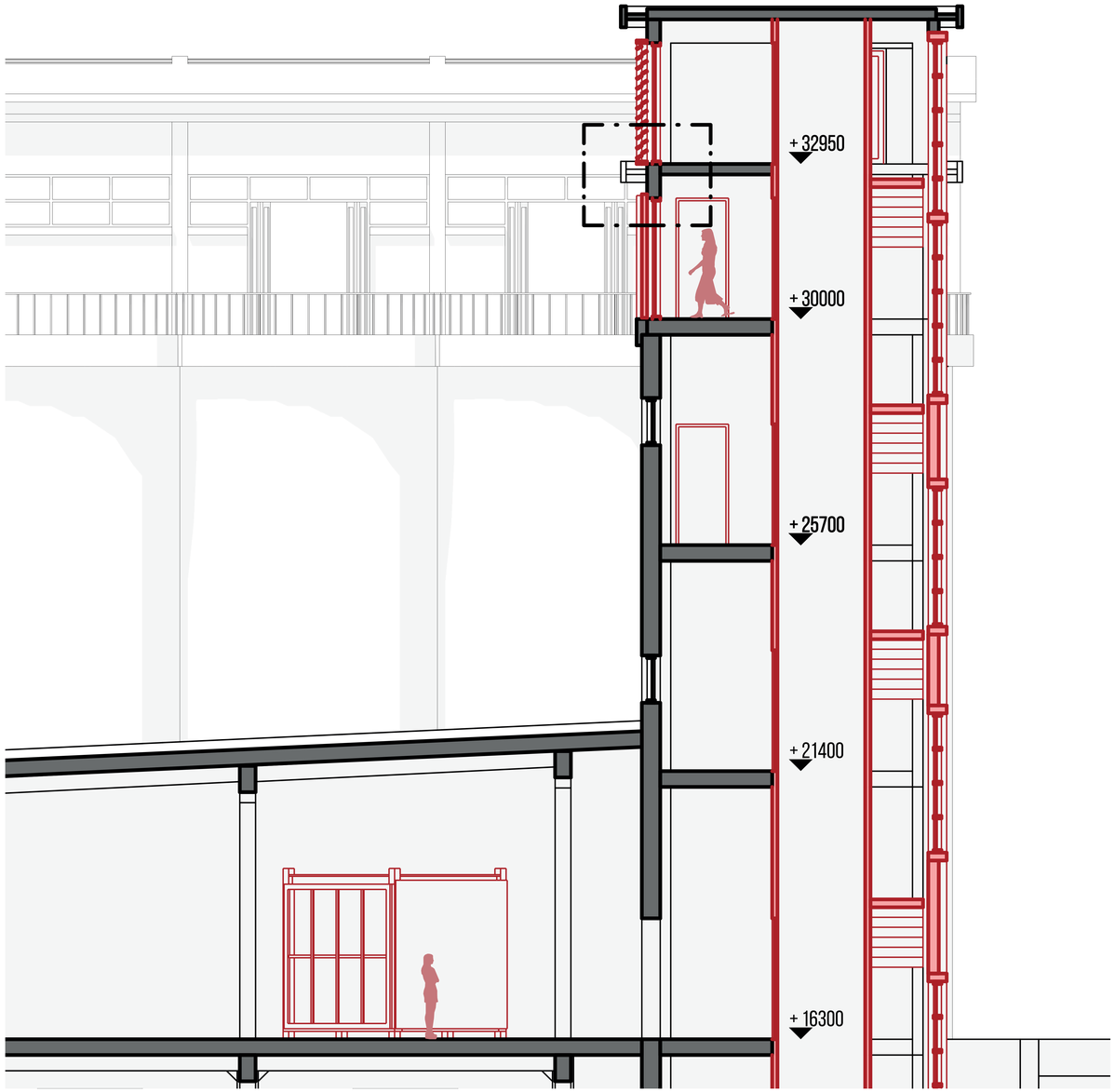
CIRCULATION

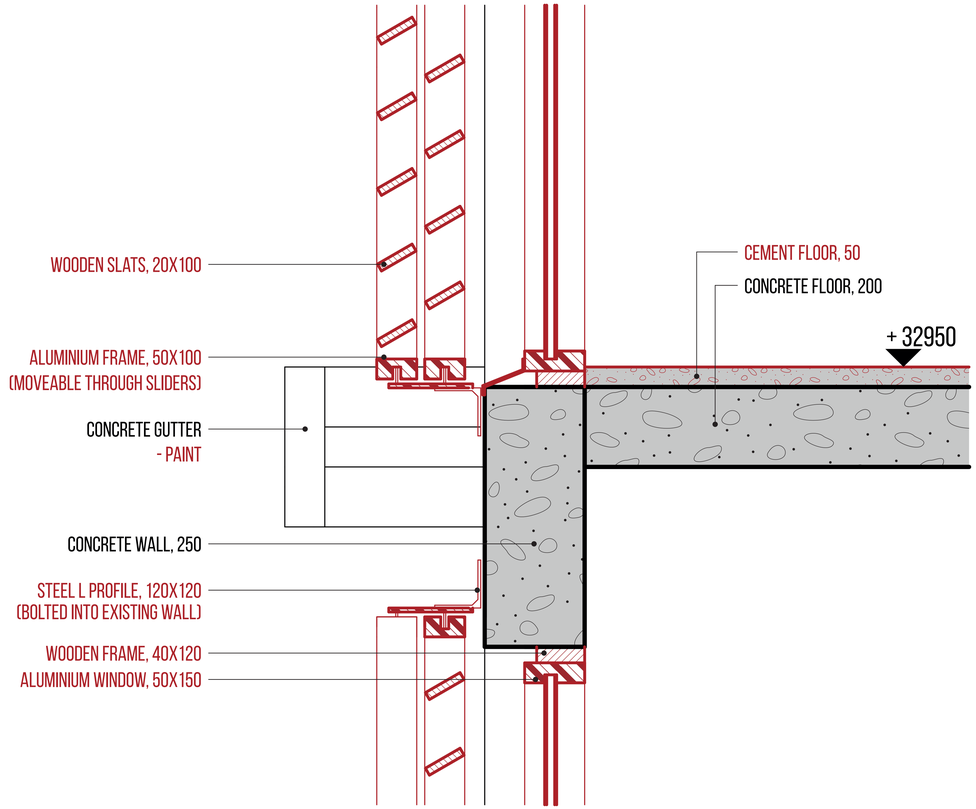


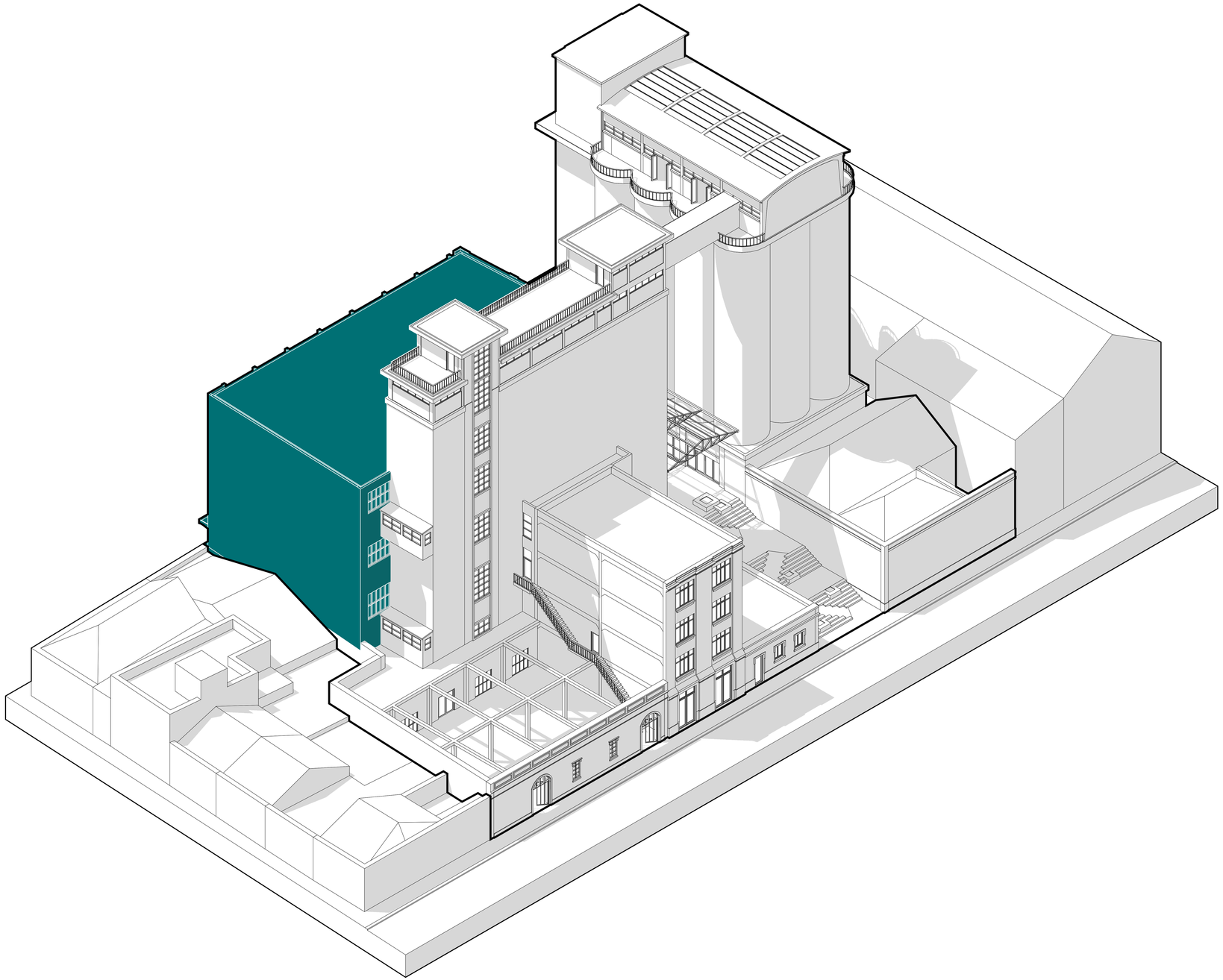

GN7
.GERA.

A VIEW ON RIA FORMOSA



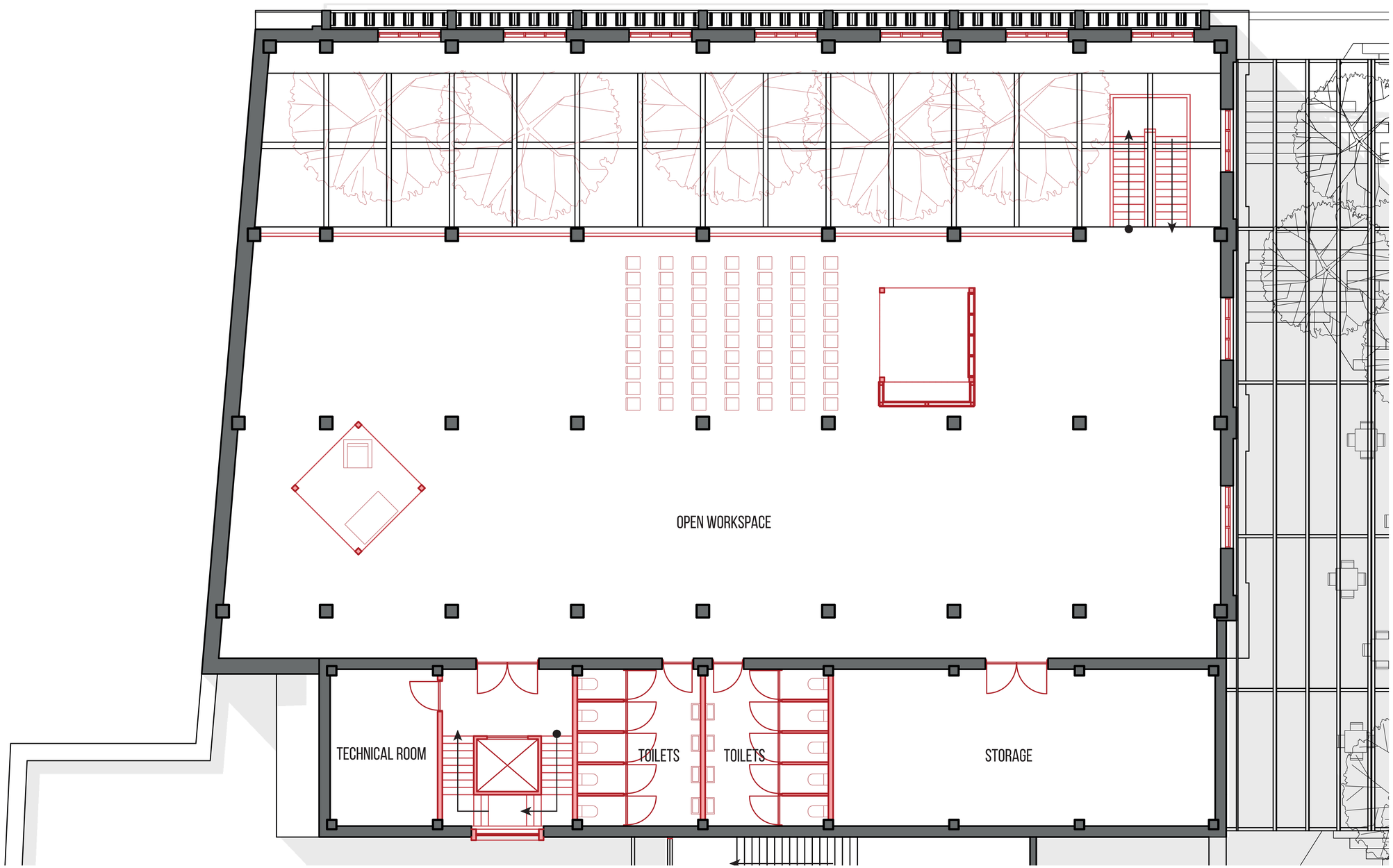

+ 32950
+ 30000
+ 25700
+ 21400
+ 16300


WOODEN SLATS, 20X100
ALUMINIUM FRAME, 50X100
(MOVEABLE THROUGH SLIDERS)
CONCRETE GUTTER
- PAINT
CONCRETE WALL, 250
STEEL L PROFILE, 120X120
(BOLTED INTO EXISTING WALL)
WOODEN FRAME, 40X120
ALUMINIUM WINDOW, 50X150
CEMENT FLOOR, 50
CONCRETE FLOOR, 200
+ 32950



PHASE 5, WORKSHOP HALL




OPEN WORKSPACE
TECHNICAL ROOM
TOILETS
TOILETS
STORAGE

MATERIALS





IDENTITY / SIMILARITY

DIFFERENCE

REHABILITATION

OLD
100%

50%

0%

50%

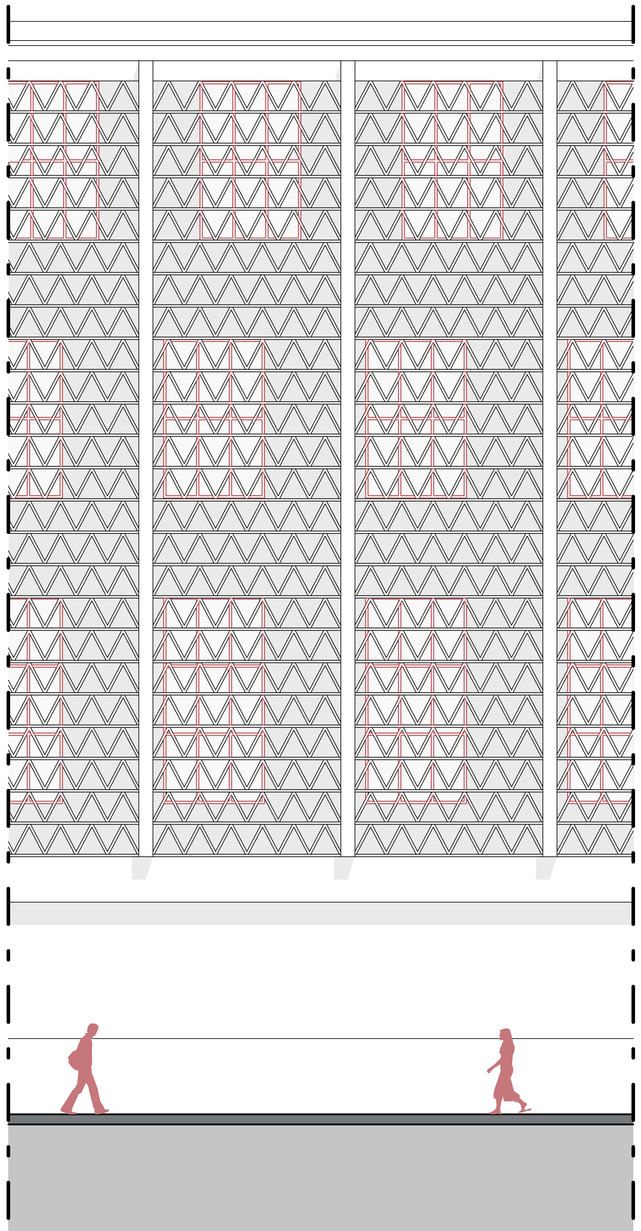
NEW
100%

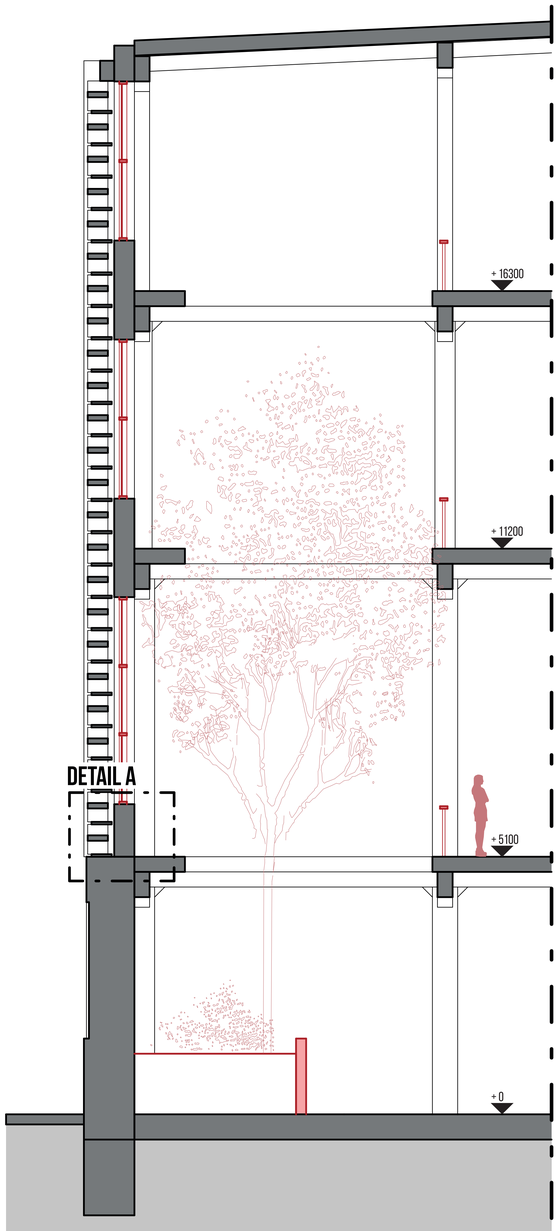
REMOVE

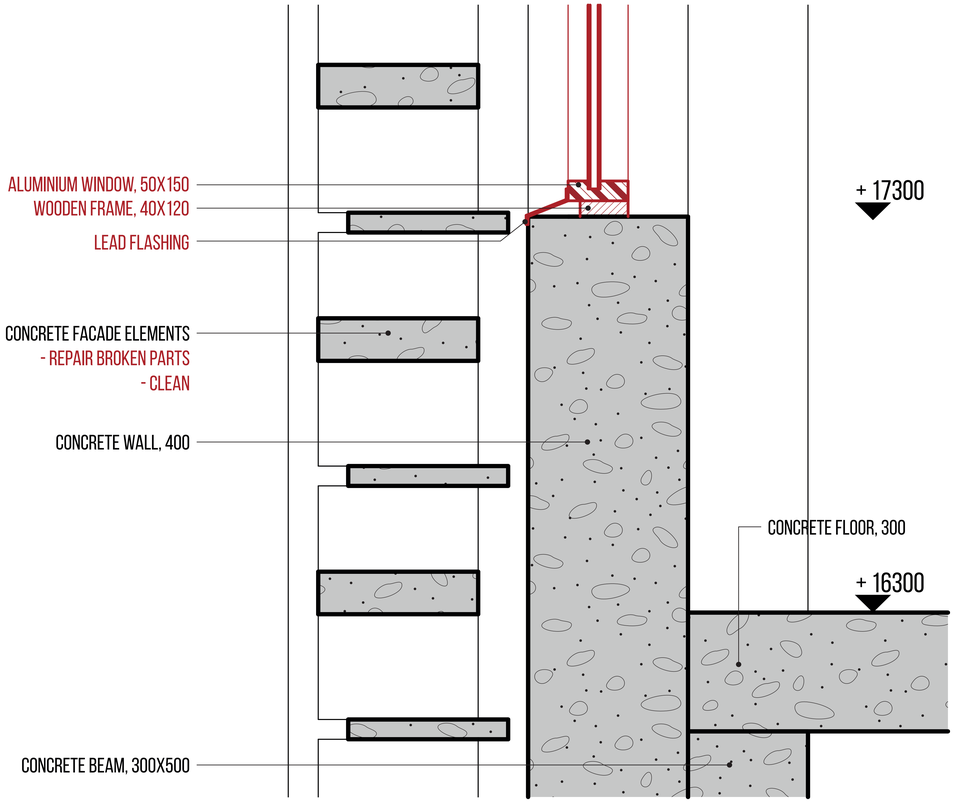
KEEP

ADD

MATERIALS




+ 16300
+ 11200
+ 5100
+ 0
DETAIL A

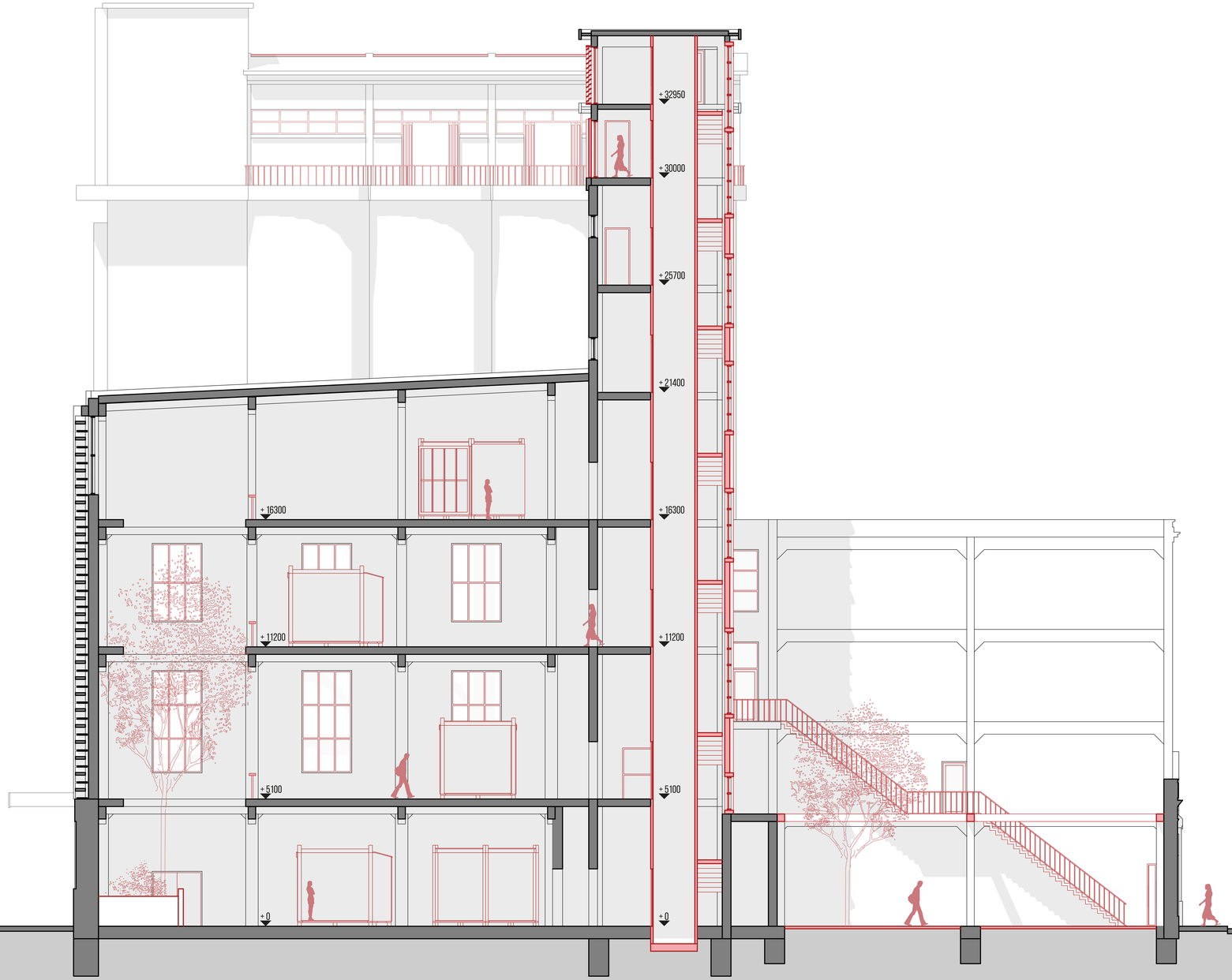

ALUMINIUM WINDOW, 50X150
WOODEN FRAME, 40X120
LEAD FLASHING
CONCRETE FACADE ELEMENTS
- REPAIR BROKEN PARTS
- CLEAN
CONCRETE WALL, 400
CONCRETE BEAM, 300X500
CONCRETE FLOOR, 300
+ 17300
+ 16300

MATERIALS

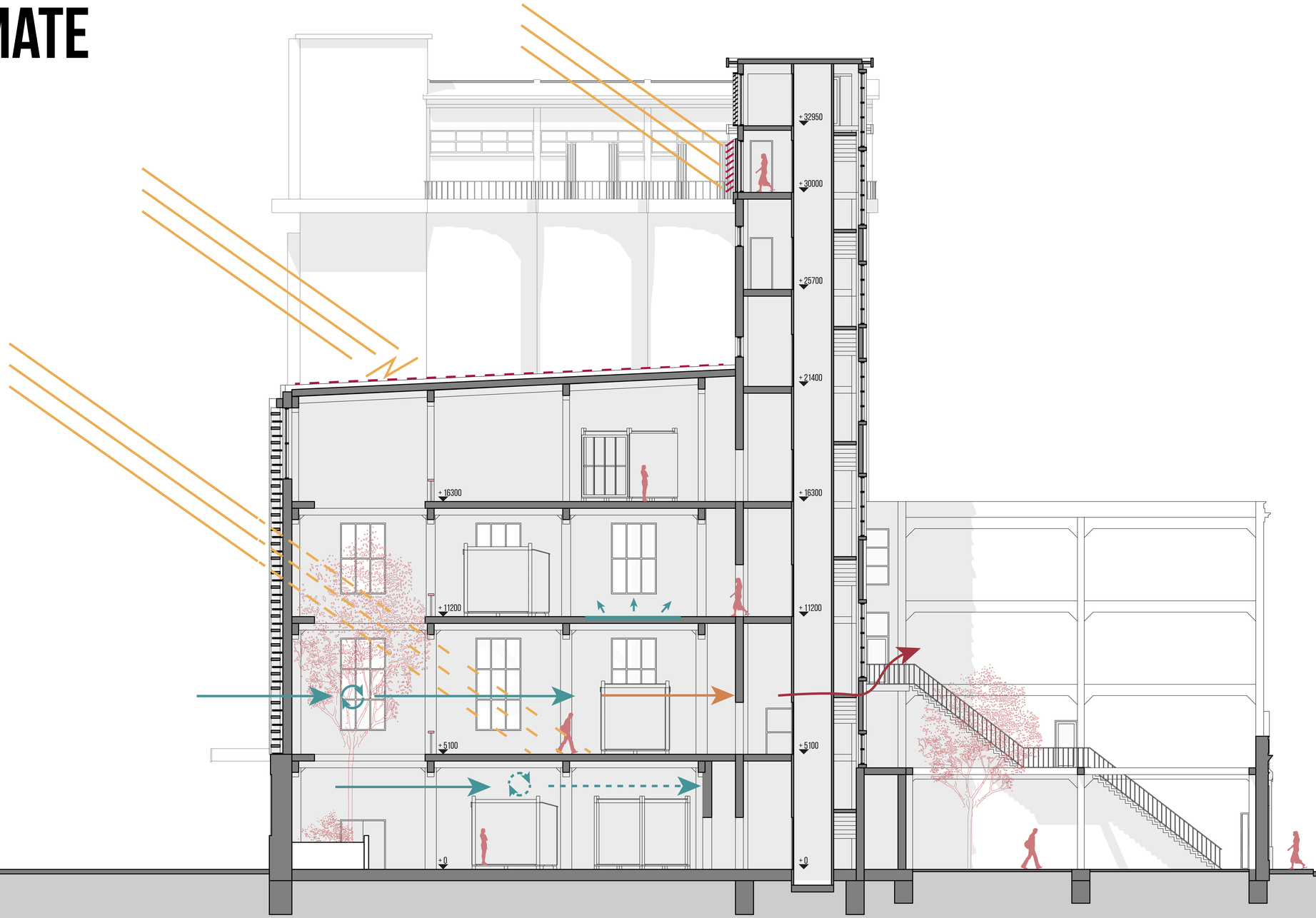


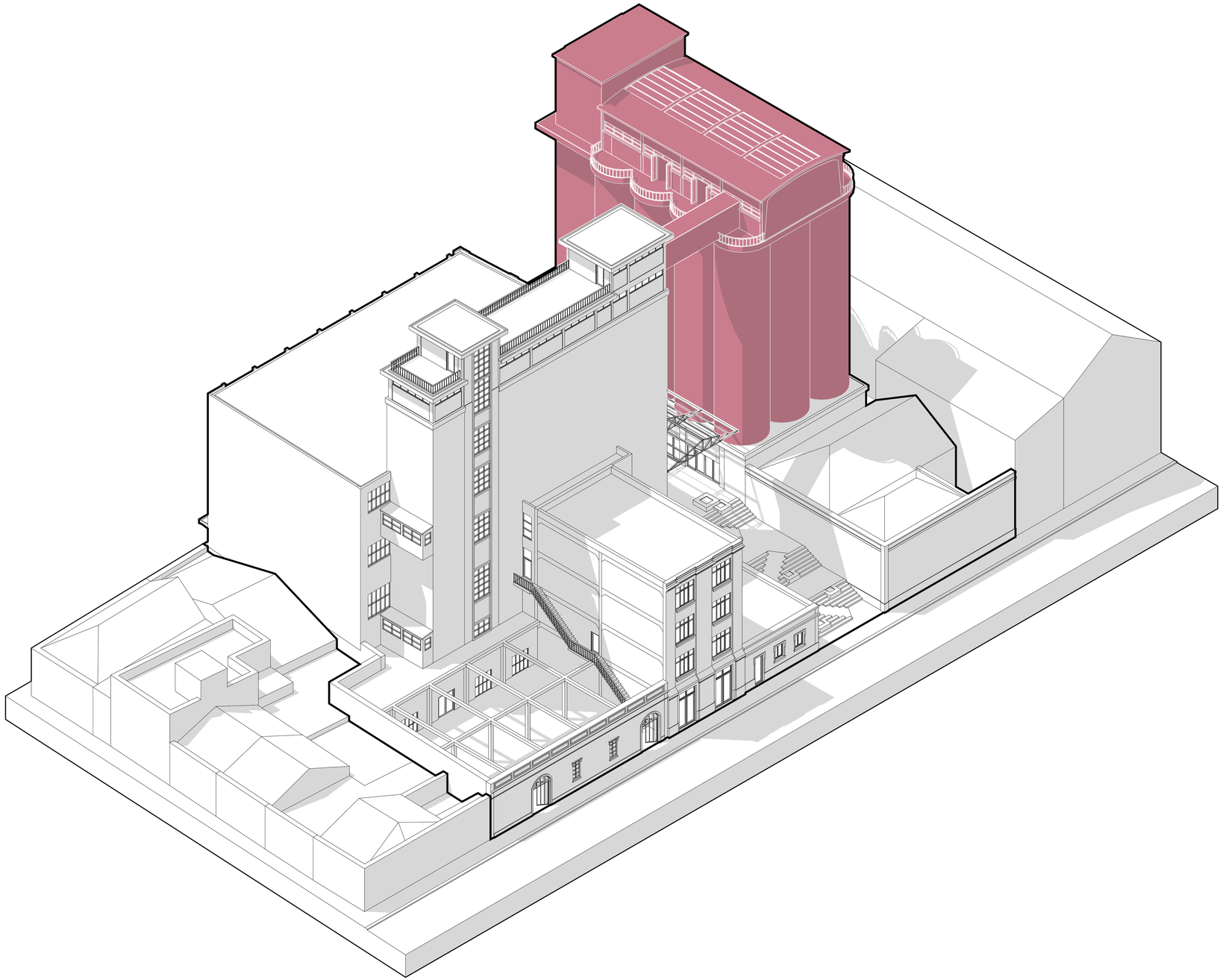


CLIMATE


+32950
+30000
+25700
+21400
+16300
+11200
+5100
+0
+16300
+11200
+5100
+0

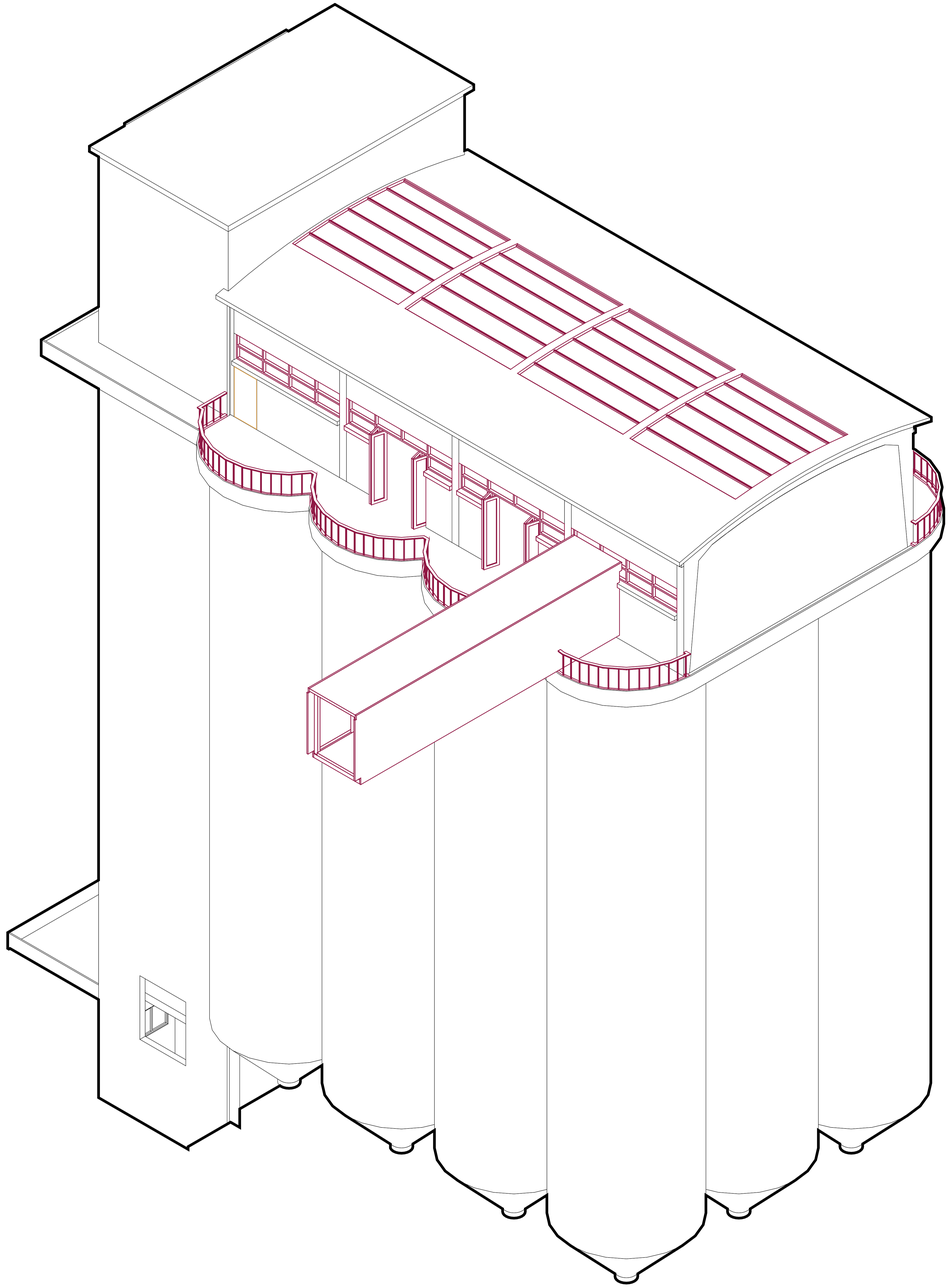
CLIMATE

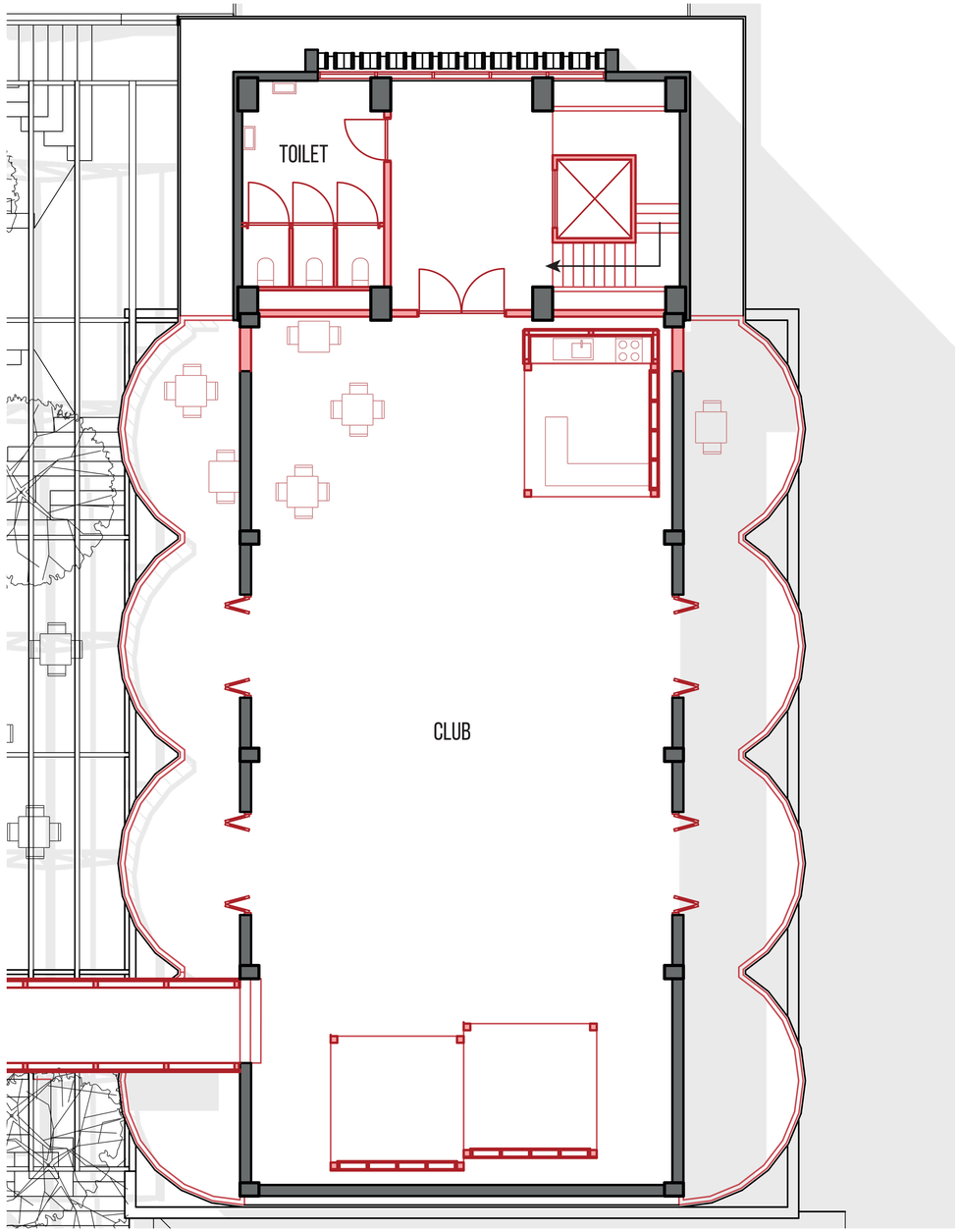

+32950
+30000
+25700
+21400
+16300
+11200
+5100
+0
+16300
+11200
+5100
+0



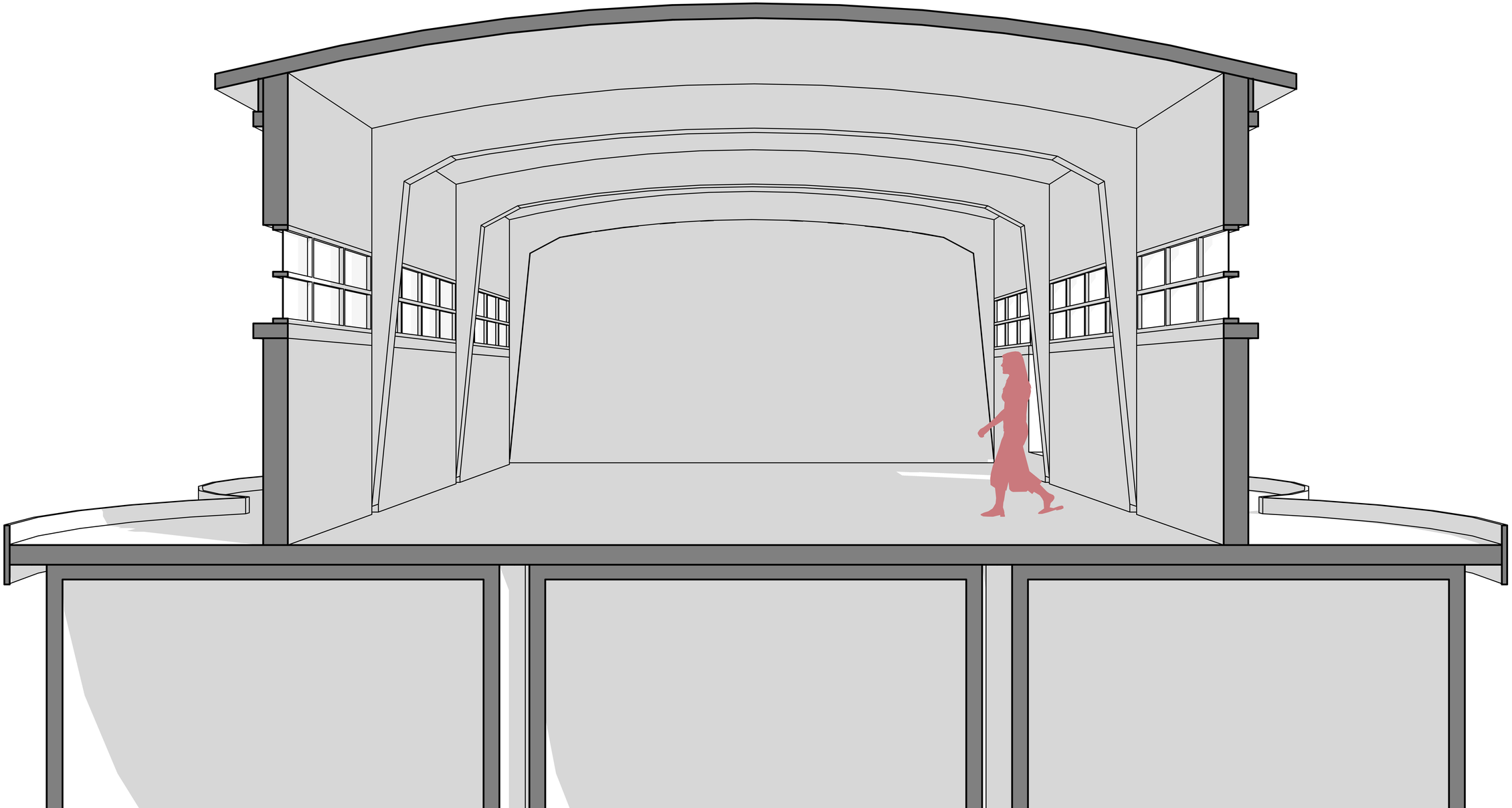
PHASE 6,
ROOFTOP CLUB

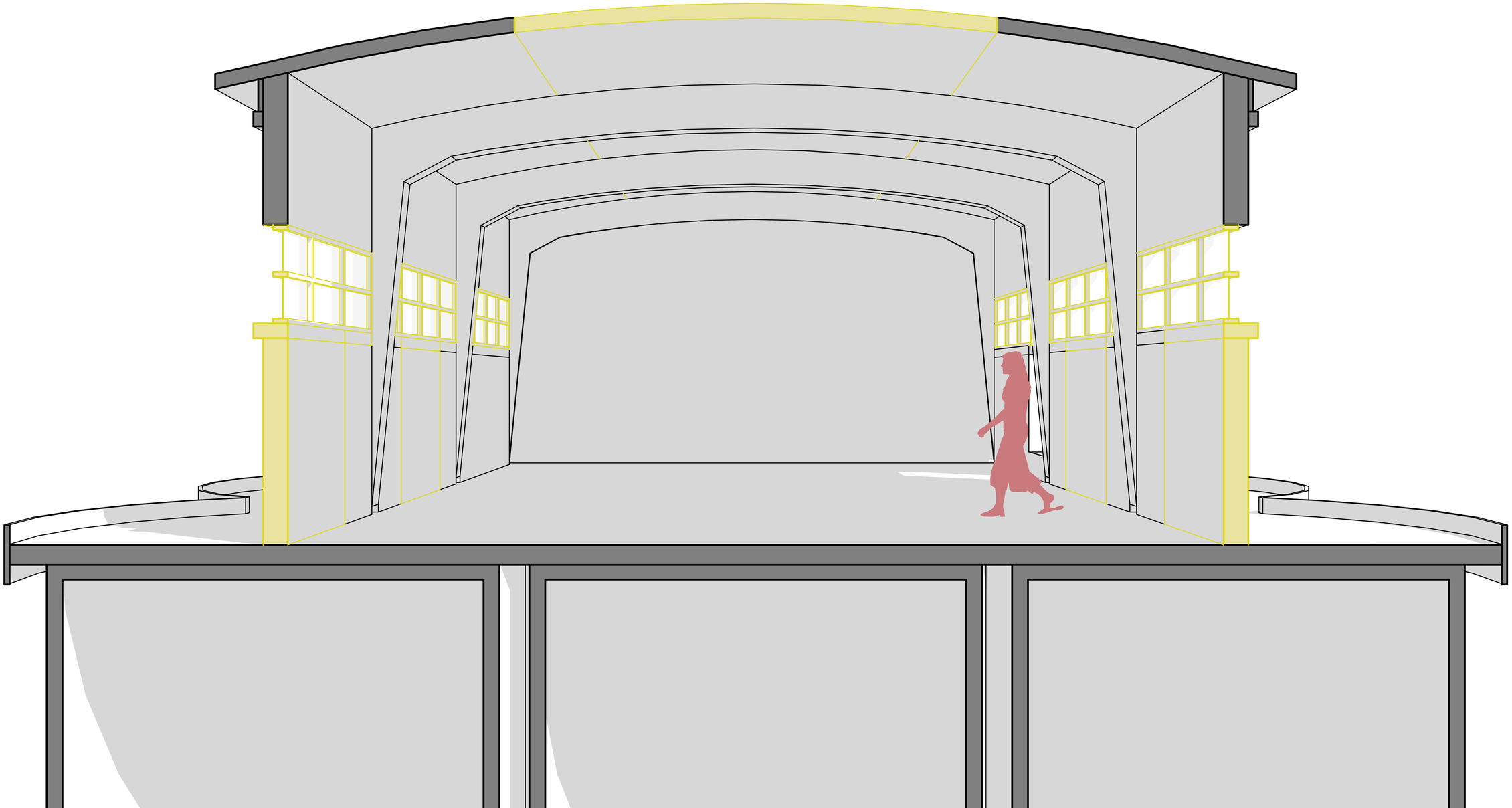


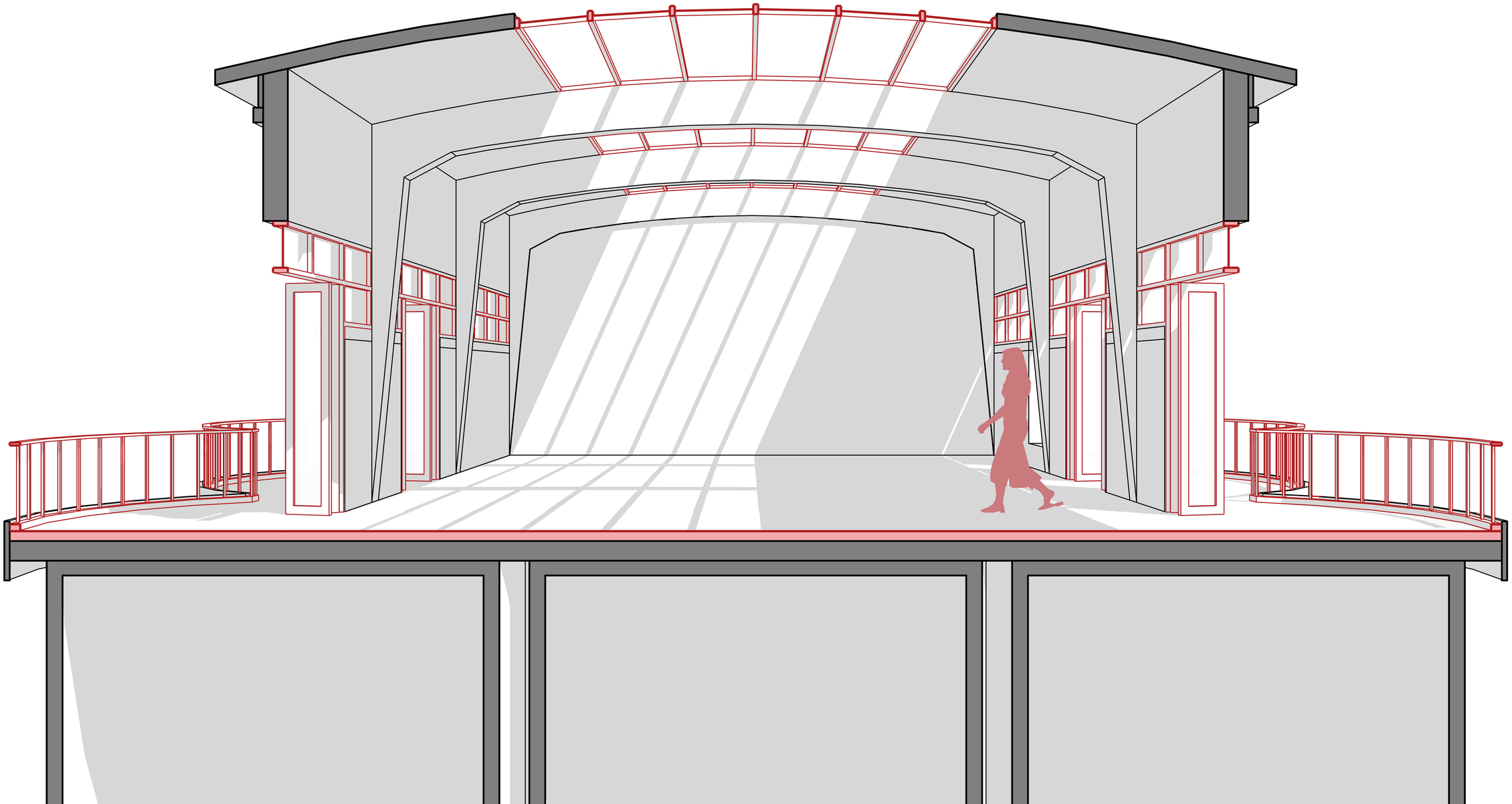



TOILET
CLUB

















NEIGHBOURHOOD



NEIGHBOURHOOD

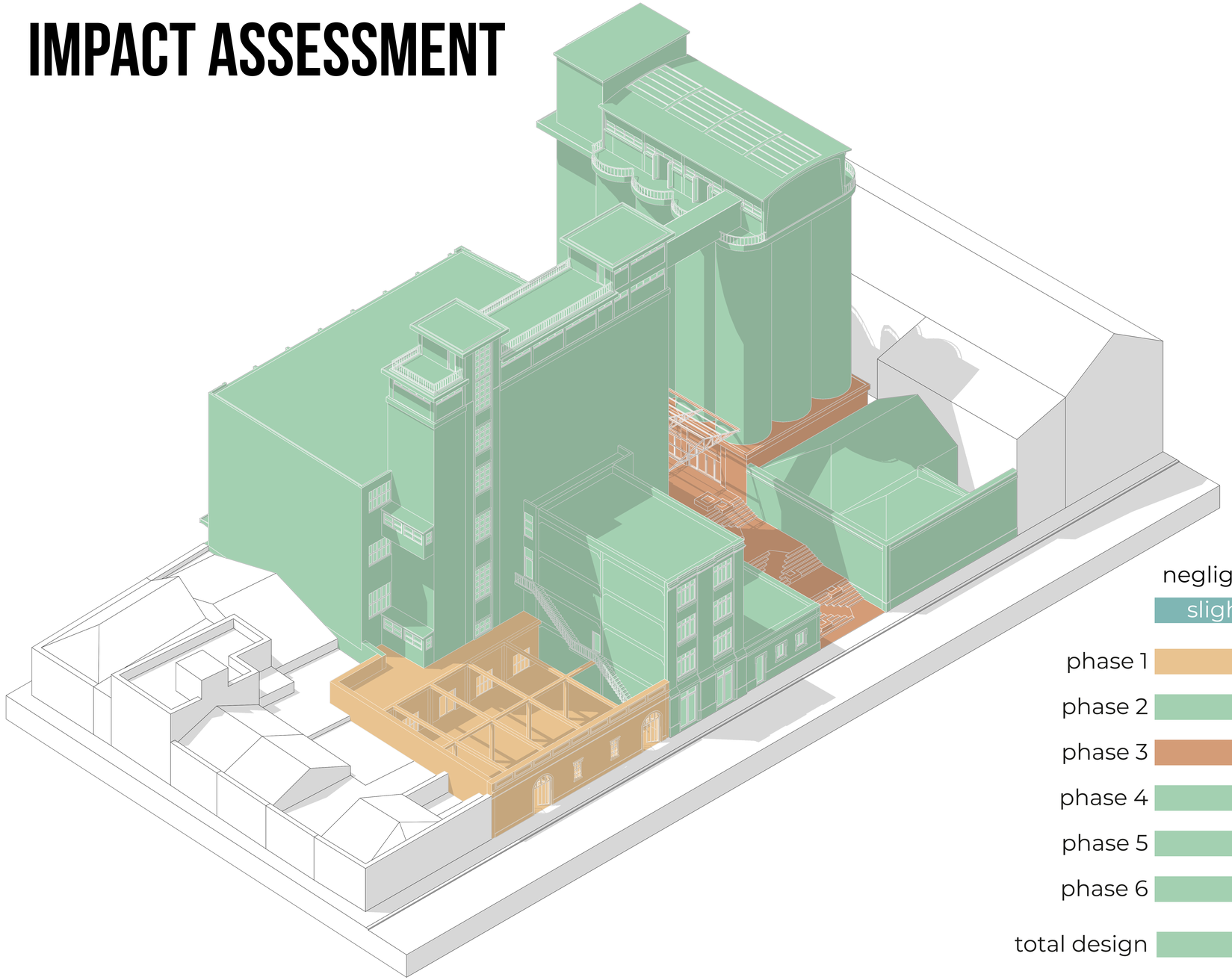


NEIGHBOURHOOD




WATERFRONT

IMPACT ASSESSMENT



Severity of impacts

	negligible	minor	moderate	major	severe
	slight	minor	moderate	large	very large
phase 1			moderate		
phase 2		minor			
phase 3				large	
phase 4		minor			
phase 5		minor			
phase 6		minor			
total design		minor			

IMPACT ASSESSMENT



1st age group



4th age group



Average



Phase 1, communal garden



Phase 2, community centre



Phase 3, connecting passage



Phase 4, rooftop restaurant



Phase 5, workshop hall



Phase 6, rooftop club



Total design



social ecological economic

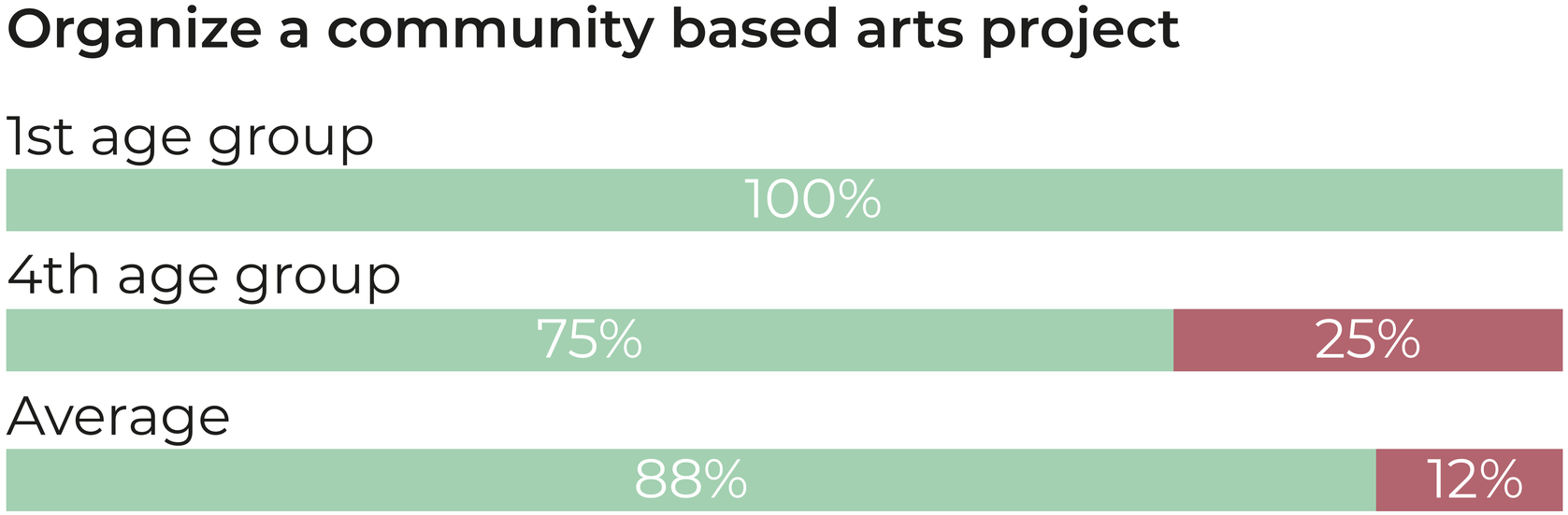
IMPACT ASSESSMENT



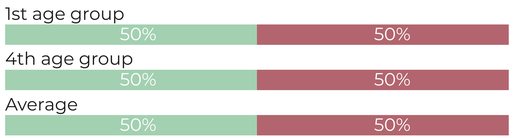
IMPACT ASSESSMENT



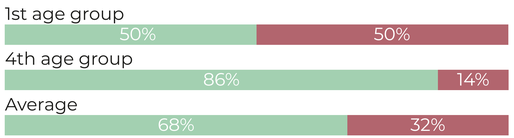
Organize a community based arts project



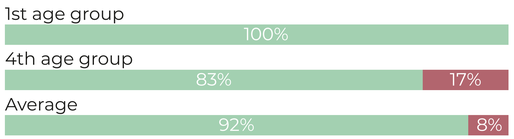
Hold a workshop for children about the traditions of Faro



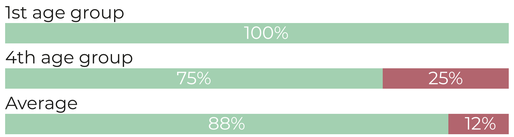
Create a public garden to showcase the farming of local fruits and vegetables



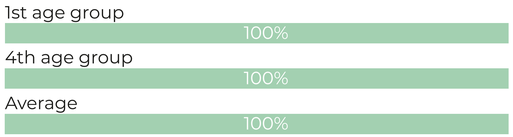
Organize a market where people can sell their own made products



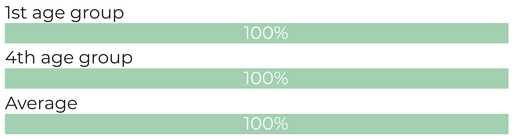
Organize a community based arts project



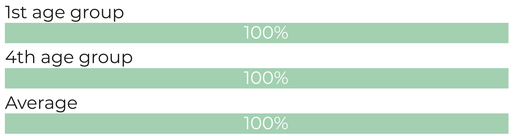
Have an exposition of paintings from artist from the region



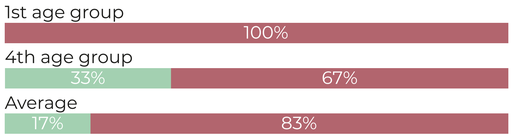
Introduce more types of plants in the city



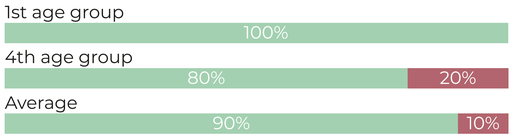
Create a community centre for people to meet up and organize gatherings



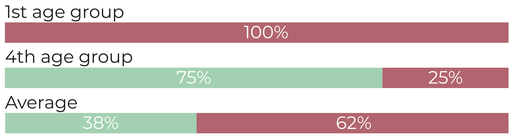
Allow local artist to make graffiti paintings on empty facades



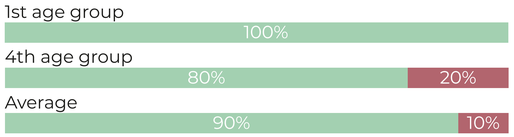
Turn a street into a green corridor where cars are not allowed



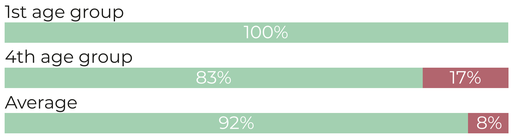
Built a bridge to cross the train station and create more connection with Ria Formosa



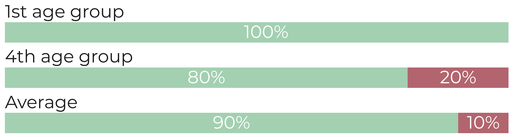
Allow people to sell their own paintings in public spaces



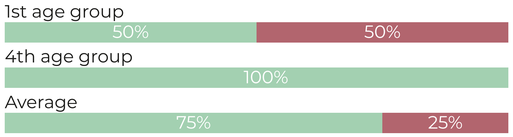
Organize events where people can plant more trees in the city



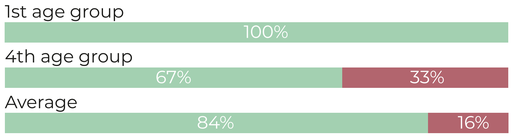
Organize communal gatherings to increase cultural awareness



create outdoor libraries where people can bring and borrow books for free



Turn rooftops into small parks with plants and places for animals



IMPACT ASSESSMENT



Allow local artist to make graffiti paintings on empty facades

1st age group



4th age group



Average





Introduce more types of plants in the city

1st age group



4th age group



Average





Allow people to sell their own paintings in public spaces

1st age group



4th age group



Average





Organize communal gatherings to increase cultural awareness

1st age group



4th age group



Average



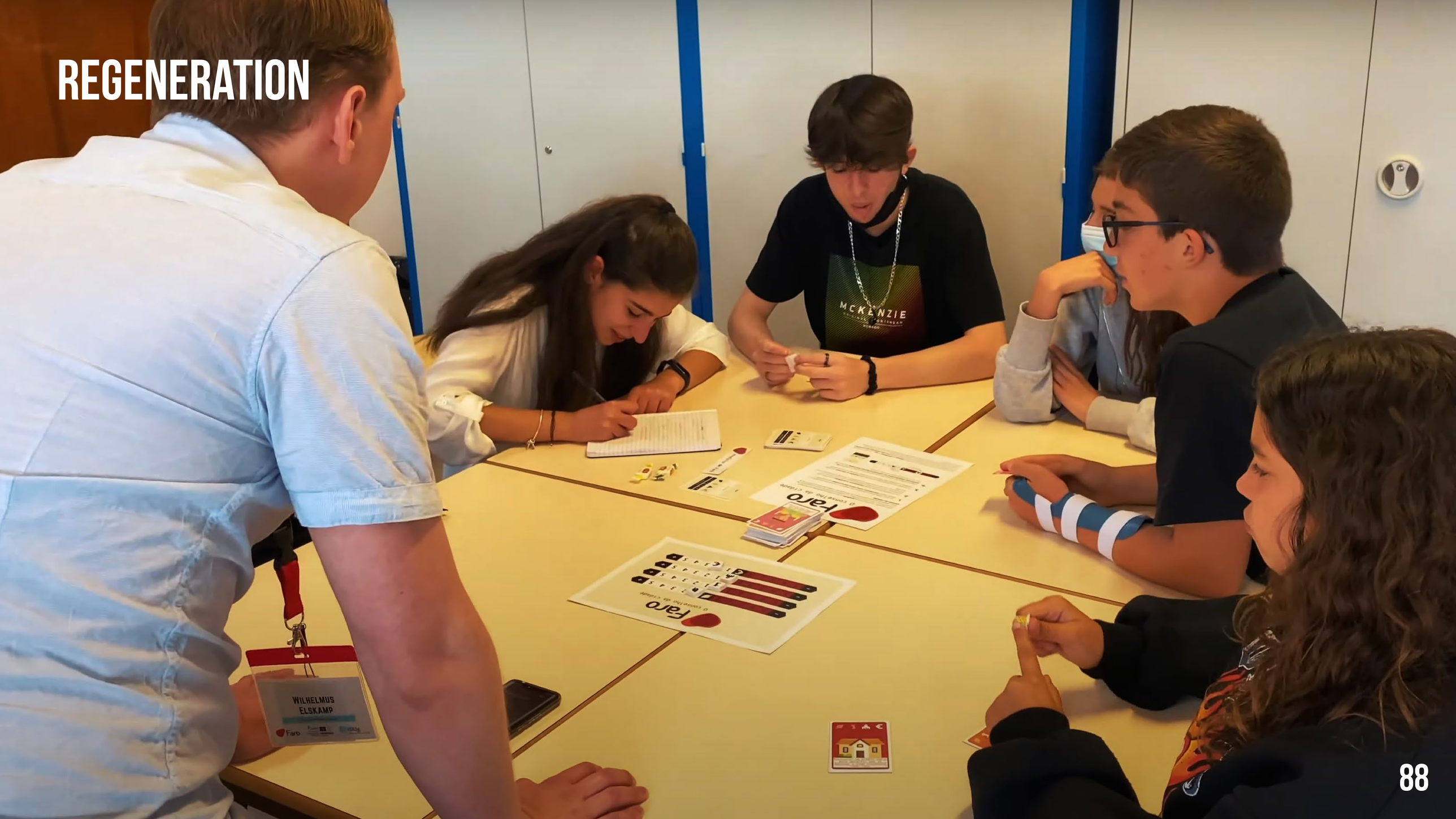
REGENERATION







REGENERATION



REGENERATION



REGENERATION





OBRIGADO