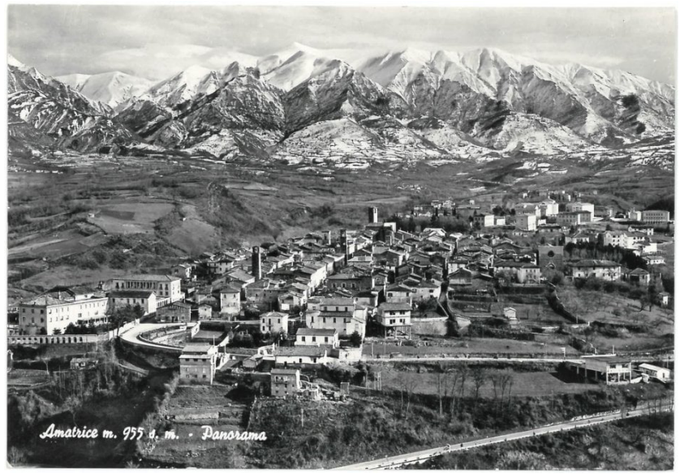
In othe forms, otherwise

Present memories of Amatrice

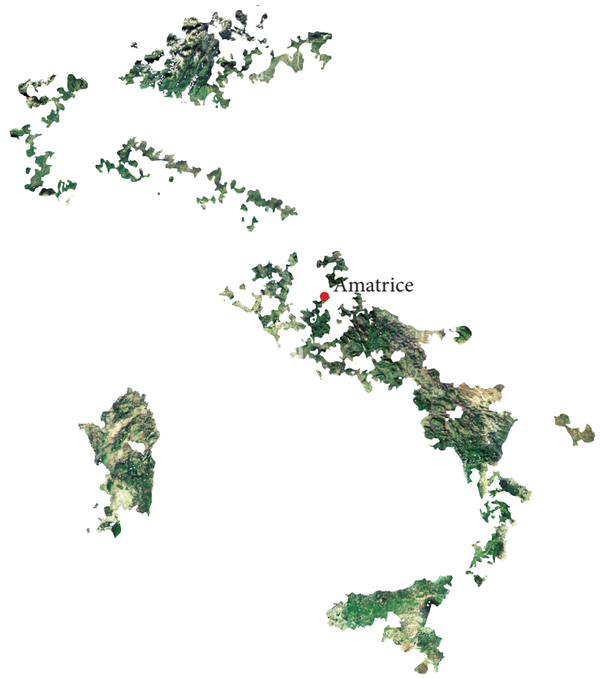
Sofia Manieri
P5 Presentation
30th January 2025
Independent Group

Amatrice



Amatrice





Amatrice, 2016



24th August 2016

Amatrice, 2024
Temporary houses

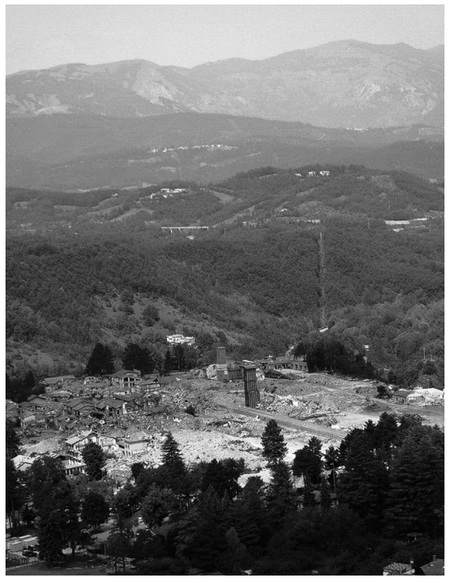




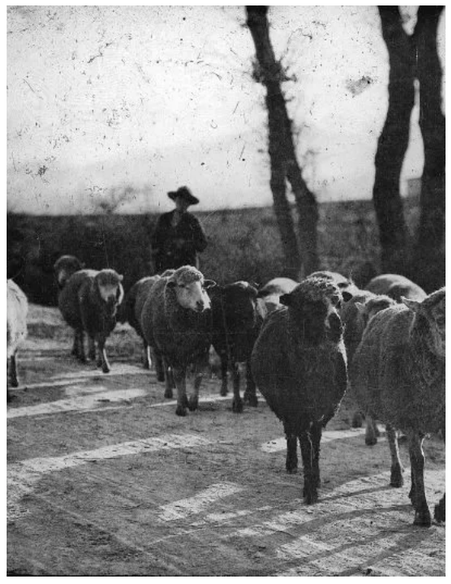
Contents
Geology



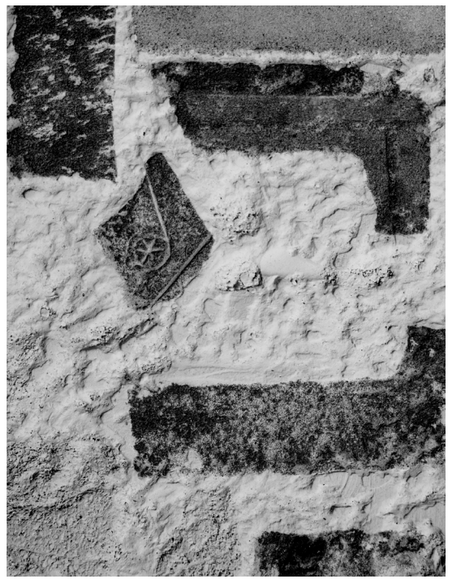
Contents
Efforts



Contents
Lore



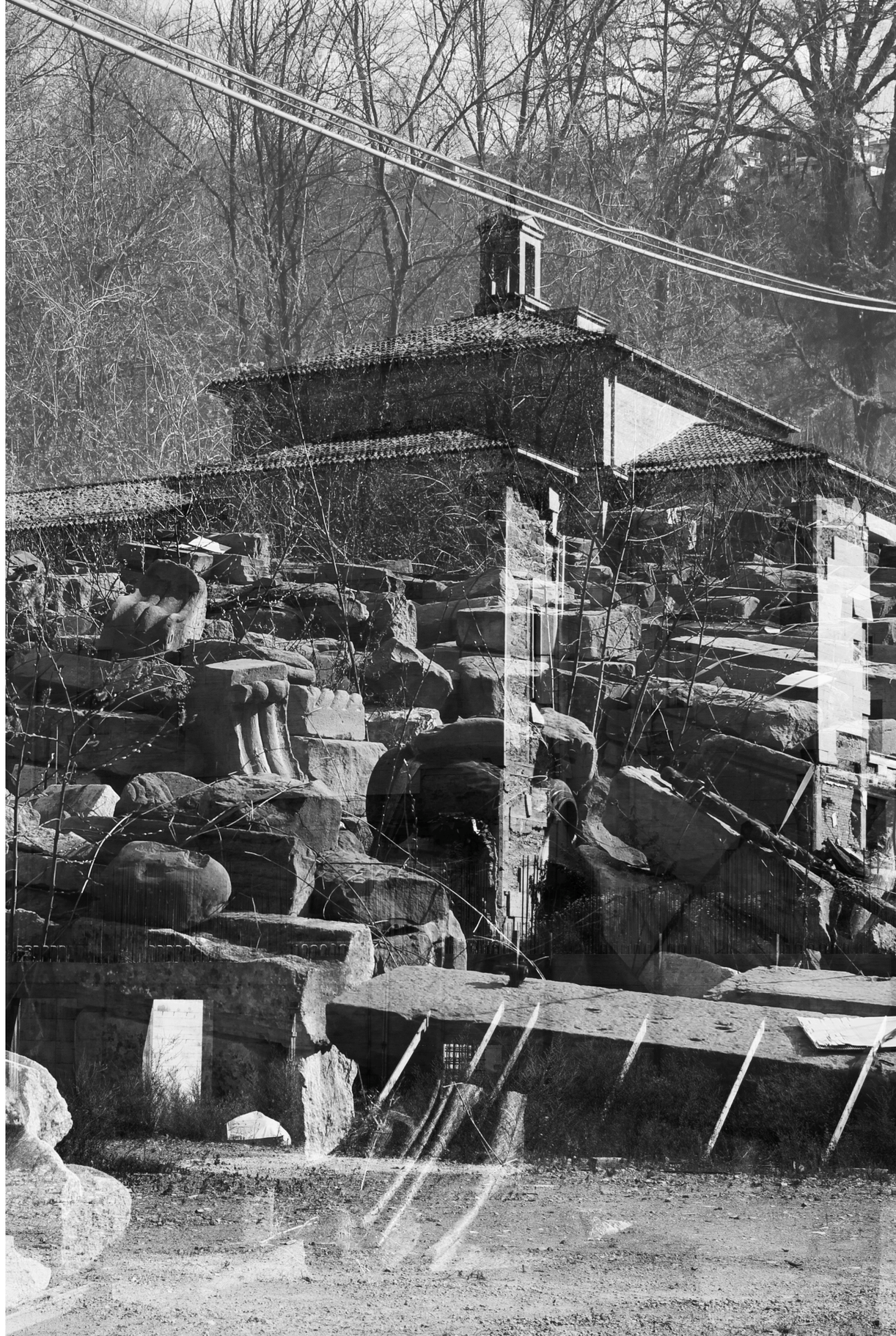
Contents
Matter

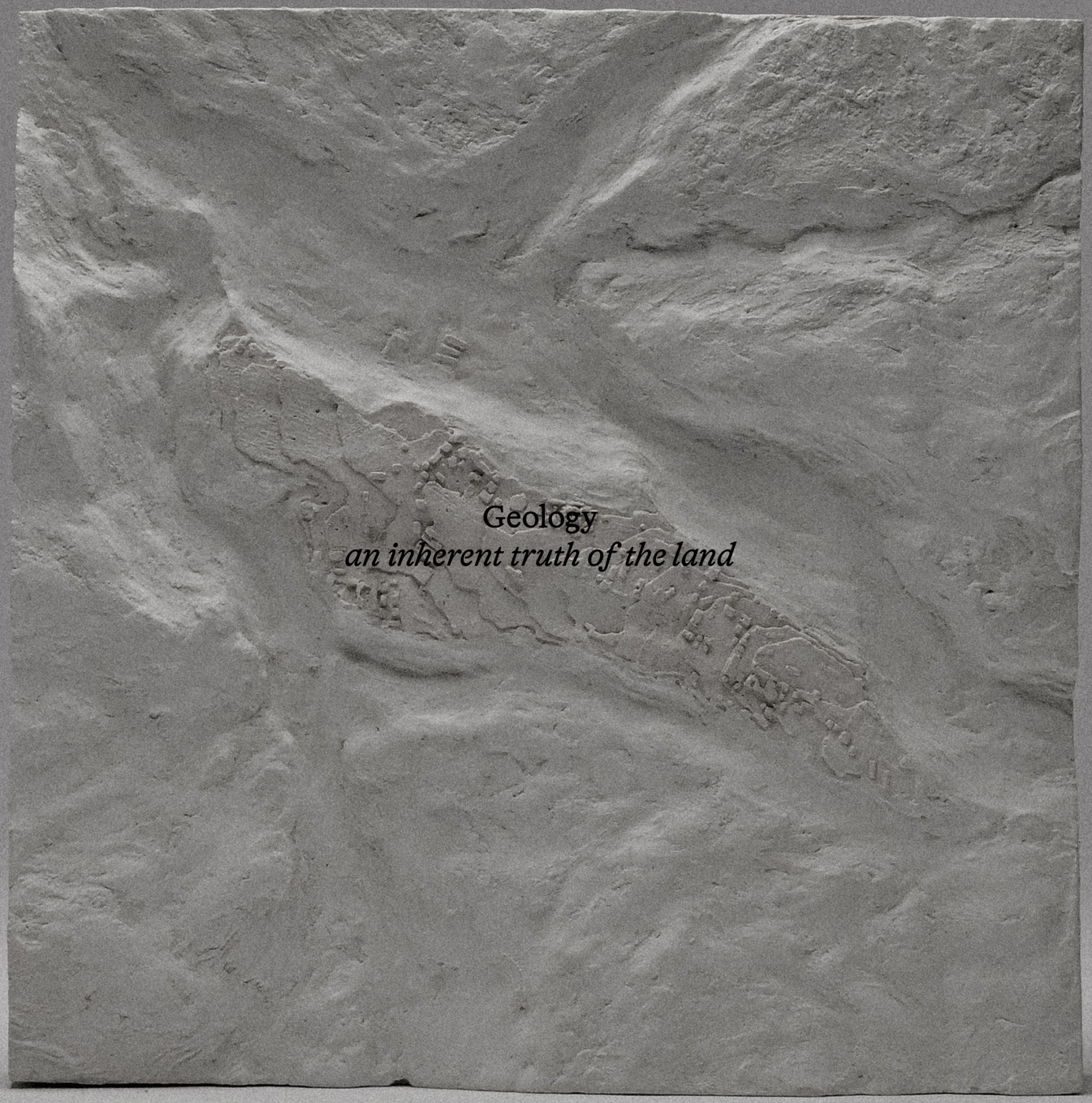


Contents
Space



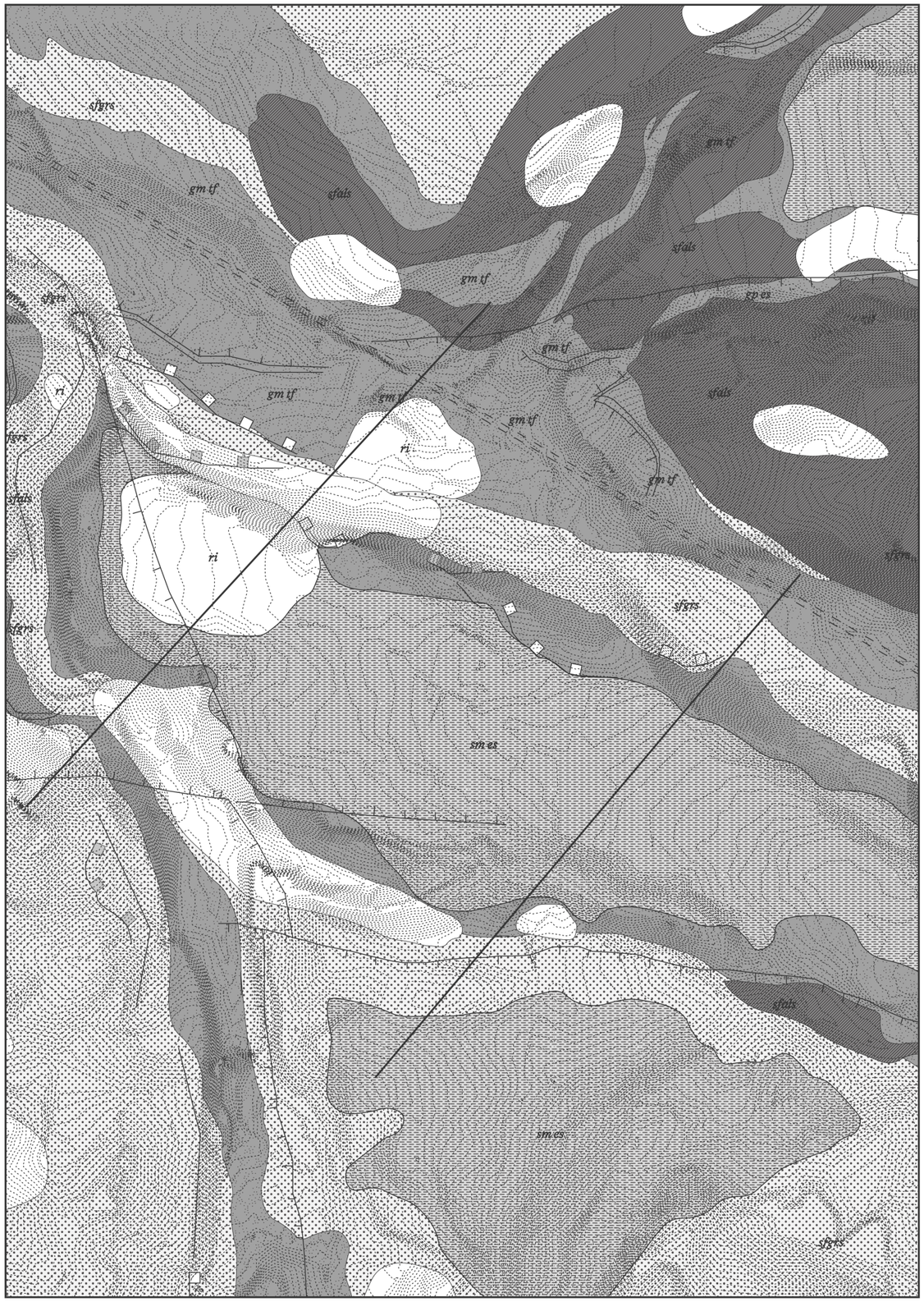

IL CORSO
tigre
AMICO
a 15m
Ametrice

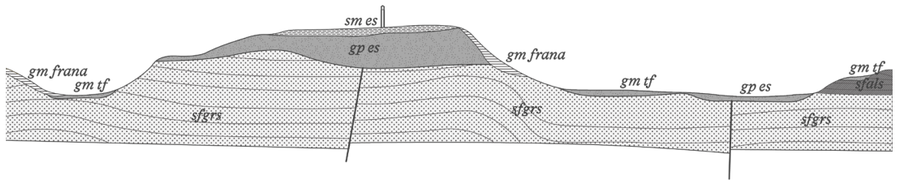


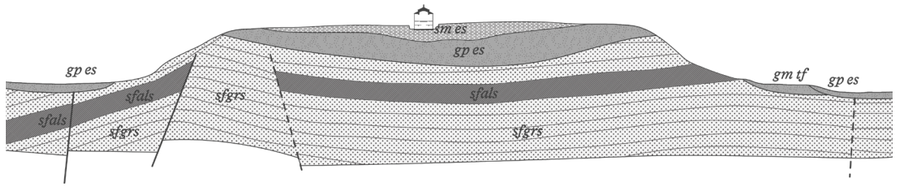


Geology
an inherent truth of the land

Geological condition
Fault lines







gm frana	landslide
gm tf	silty gravels, mixture of gravel, sand and silt of river terrace
gp es	clean gravels with little grain size; mixture of gravel and sands
sfals	alternating lithotypes, stratified, fractured/altered
sfgrs	granular cement, layered, fractured/altered
sm es	silty sands, mixture of sand and silt of banks/barriers/canals

Amatrice, 2023
Site Plan











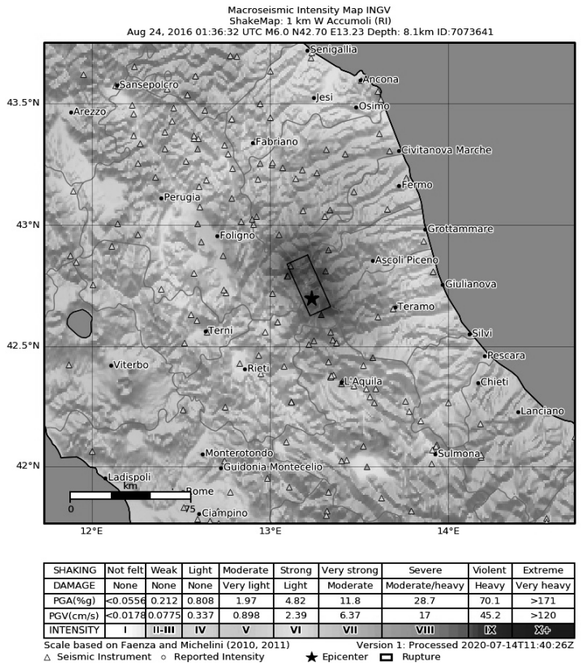





IL CORSO
tigre
AMICO
a15m
Amatrice
in tavola


PIZZERIA "LA CAMPAGNOLA

What is the meaning of reconstructions in marginal areas today?



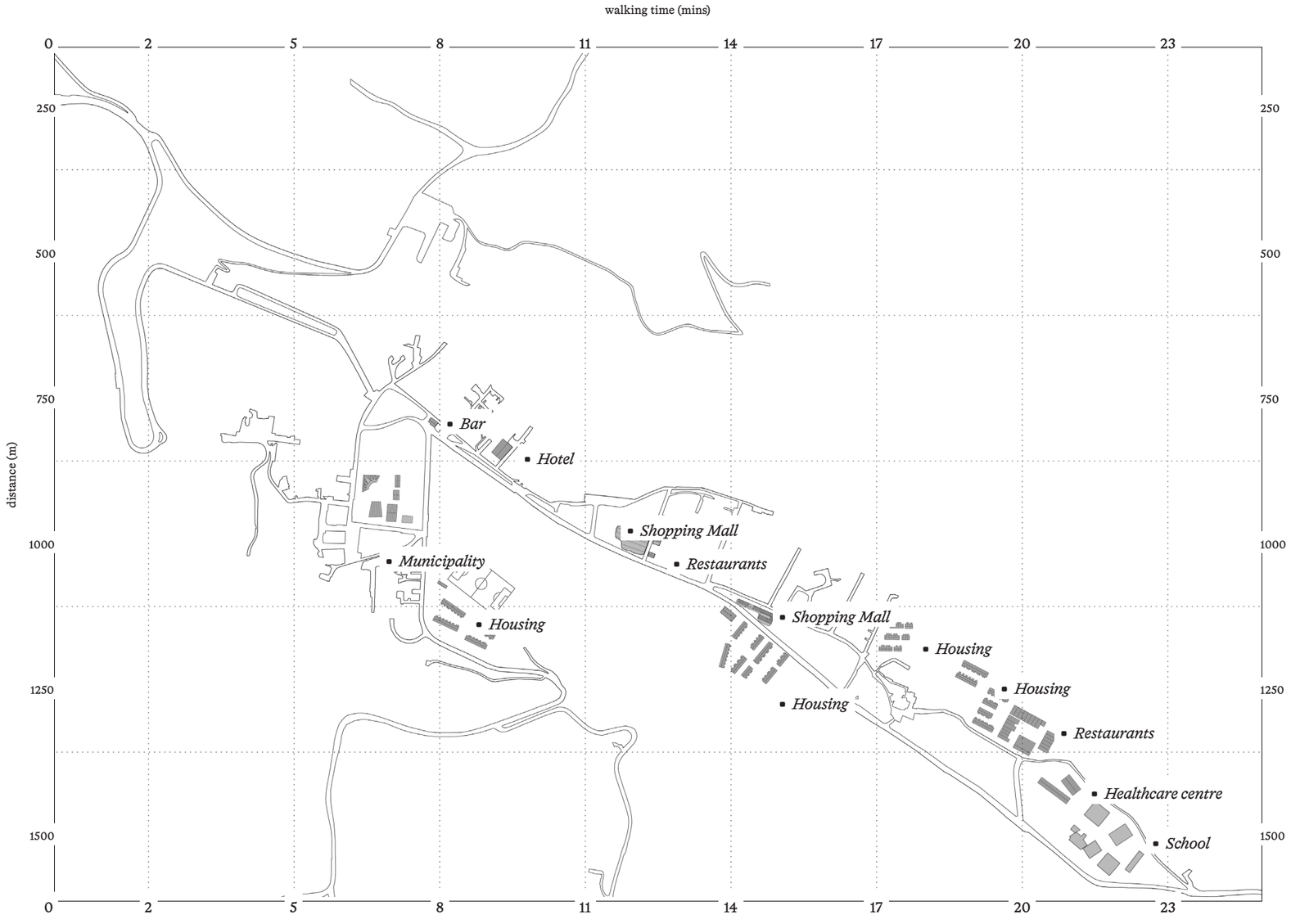
SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very light	Light	Moderate	Moderate/heavy	Heavy	Very heavy
PGA(%g)	<0.0556	0.212	0.808	1.97	4.82	11.8	28.7	70.1	>171
PGV(cm/s)	<0.0178	0.0775	0.337	0.898	2.39	6.37	17	45.2	>120
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

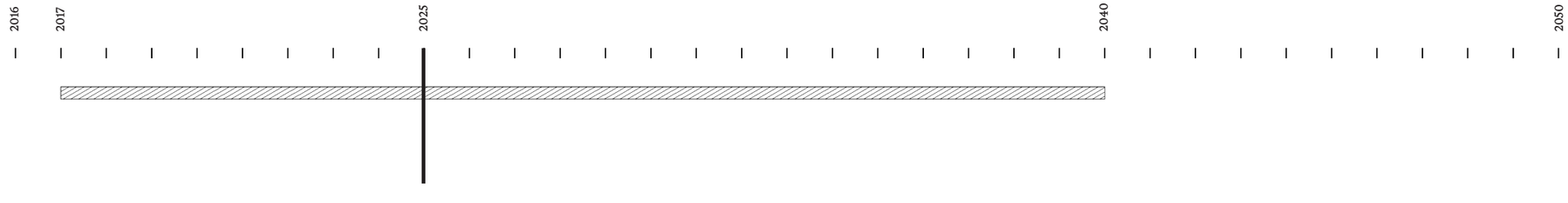
Scale based on Faenza and Michelini (2010, 2011) Version 1: Processed 2020-07-14T11:40:26Z
△ Seismic Instrument ○ Reported Intensity ★ Epicenter ▭ Rupture



Efforts
Parallel narratives

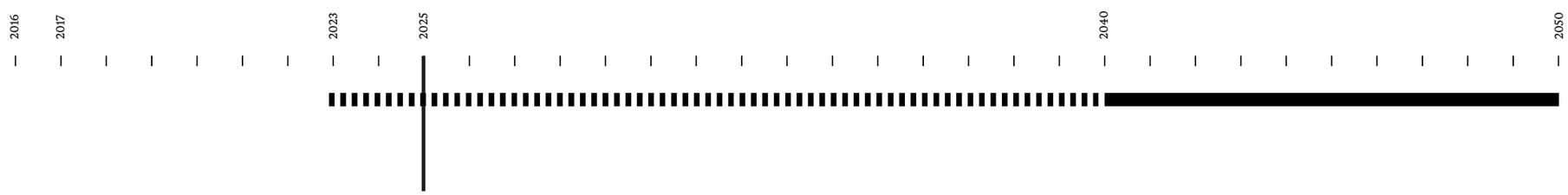
Shelter


walking time (mins)
0
2
5
8
11
14
17
20
23
distance (m)
250
500
750
1000
1250
1500
Bar
Hotel
Shopping Mall
Municipality
Restaurants
Housing
Shopping Mall
Housing
Housing
Housing
Restaurants
Healthcare centre
School


2016
2017
2025
2040
2050

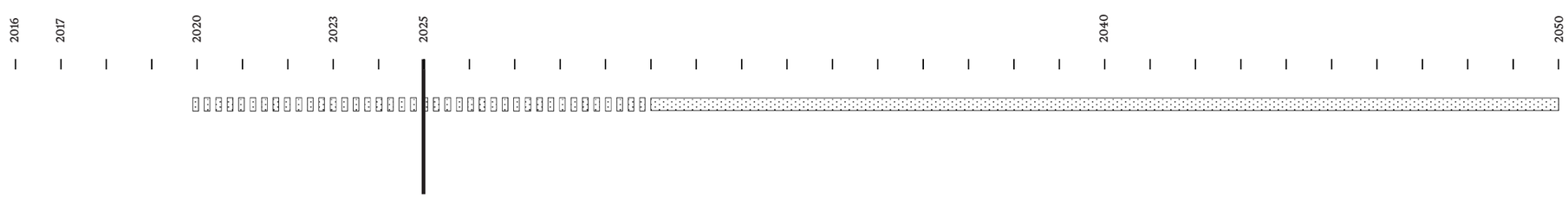
Reconstruction





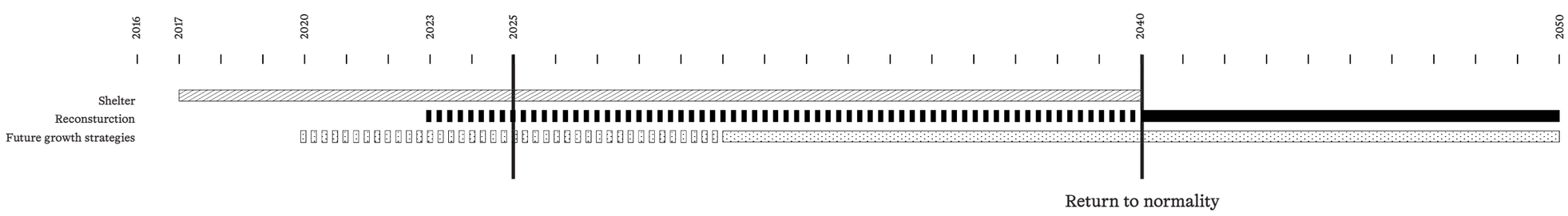
Future growth strategies





Research questions (1)

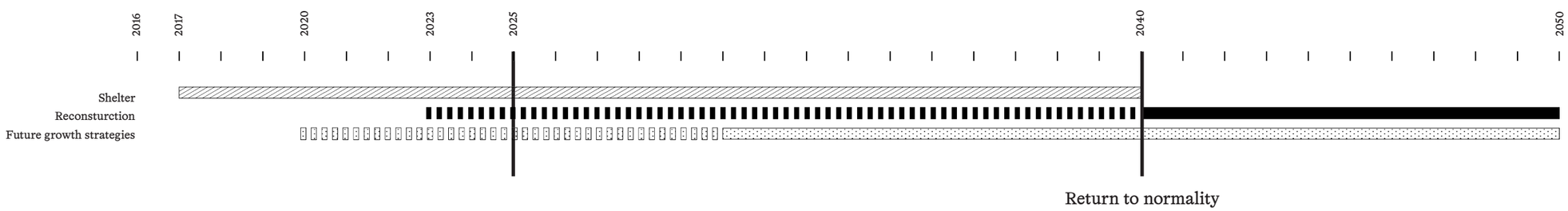
Can post-disaster reconstruction strategies enable spatial renewal rather than propose fixed narratives?



Research questions

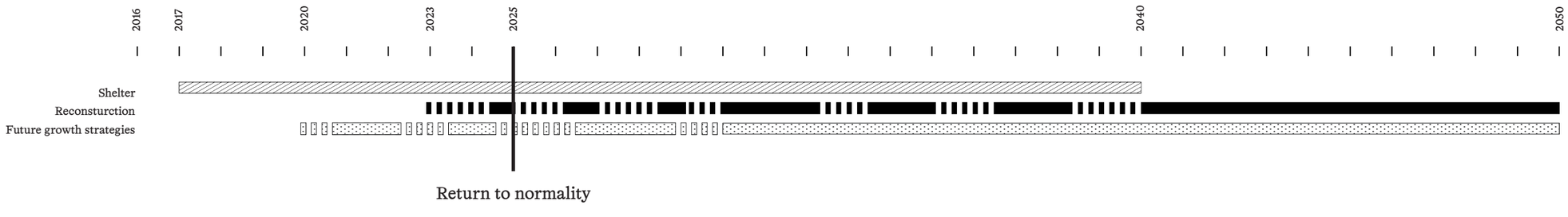
Can post-disaster reconstruction strategies enable spatial renewal rather than propose fixed narratives?

And how can one conceive the reconstruction of Amatrice in the forms suggested by its present condition of marginality rather than its idealised past?

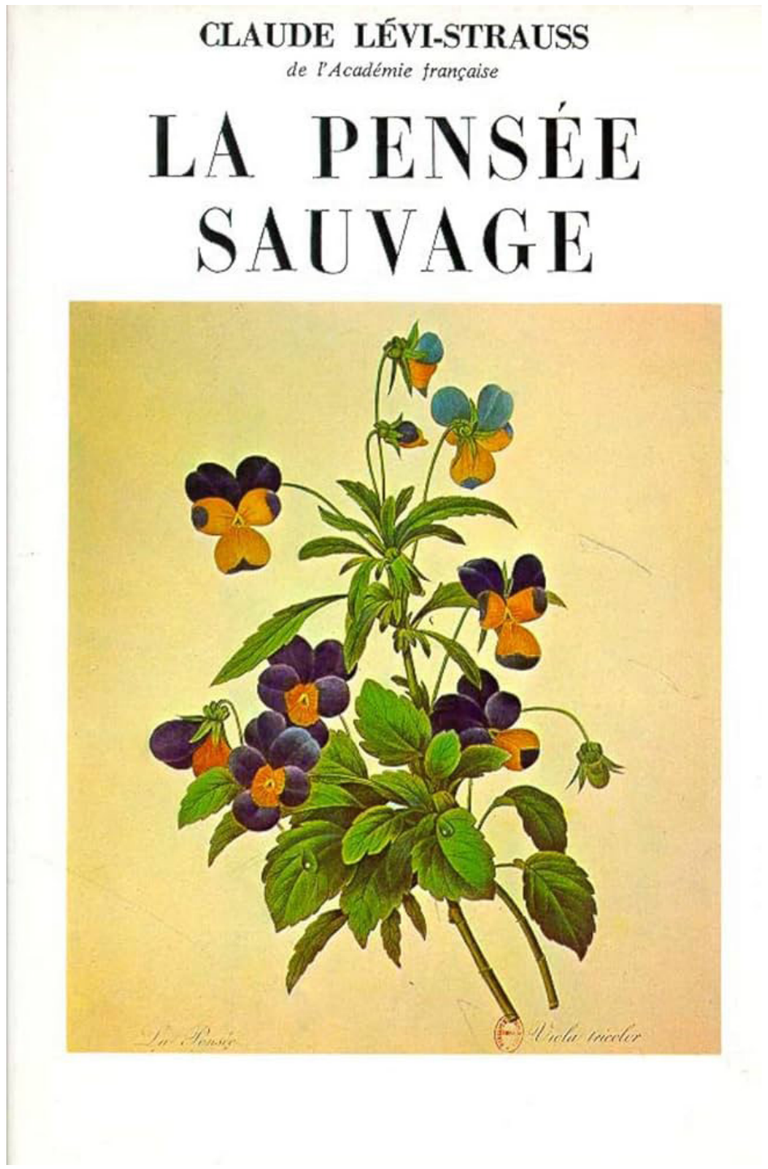


Context

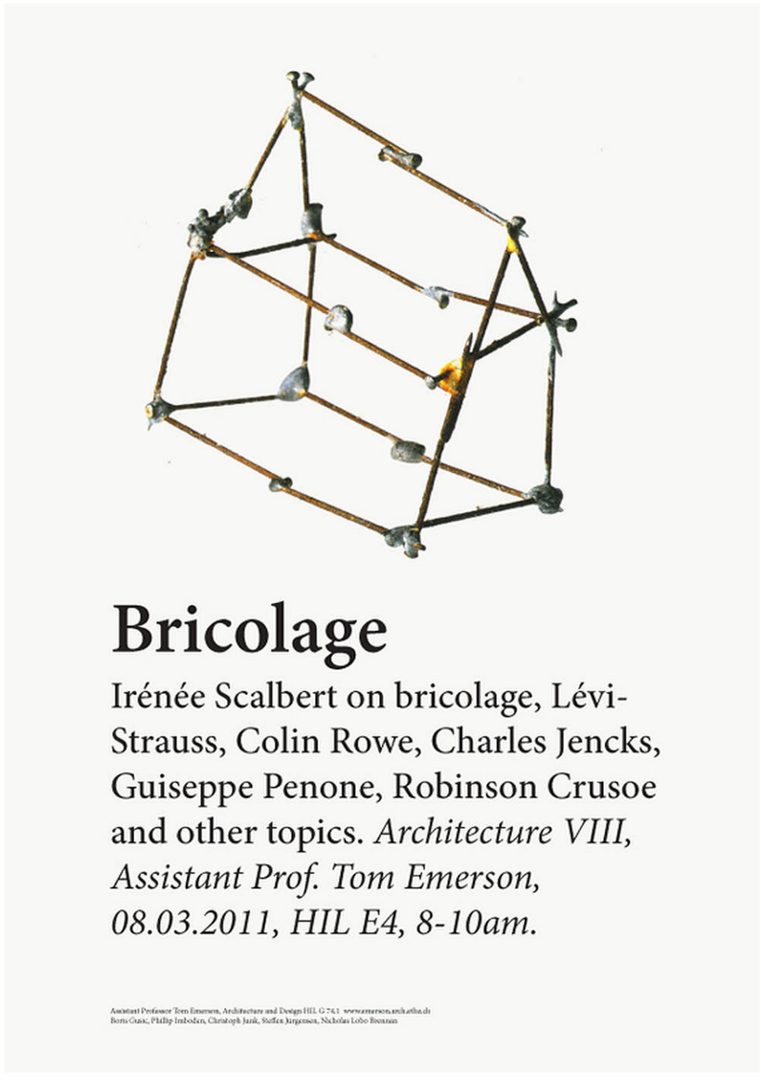

walking time (mins)
0
2
5
8
11
14
17
20
23
distance (m)
250
500
750
1000
1250
1500


2016
2017
2020
2023
2025
2040
2050
Shelter
Reconsturction
Future growth strategies
Return to normality

Archaeological Bricoleurs



Claude Lévi-Strauss
La Pensée Sauvage



Irénée Scalbert
Bricolage

The architect-bricoleur

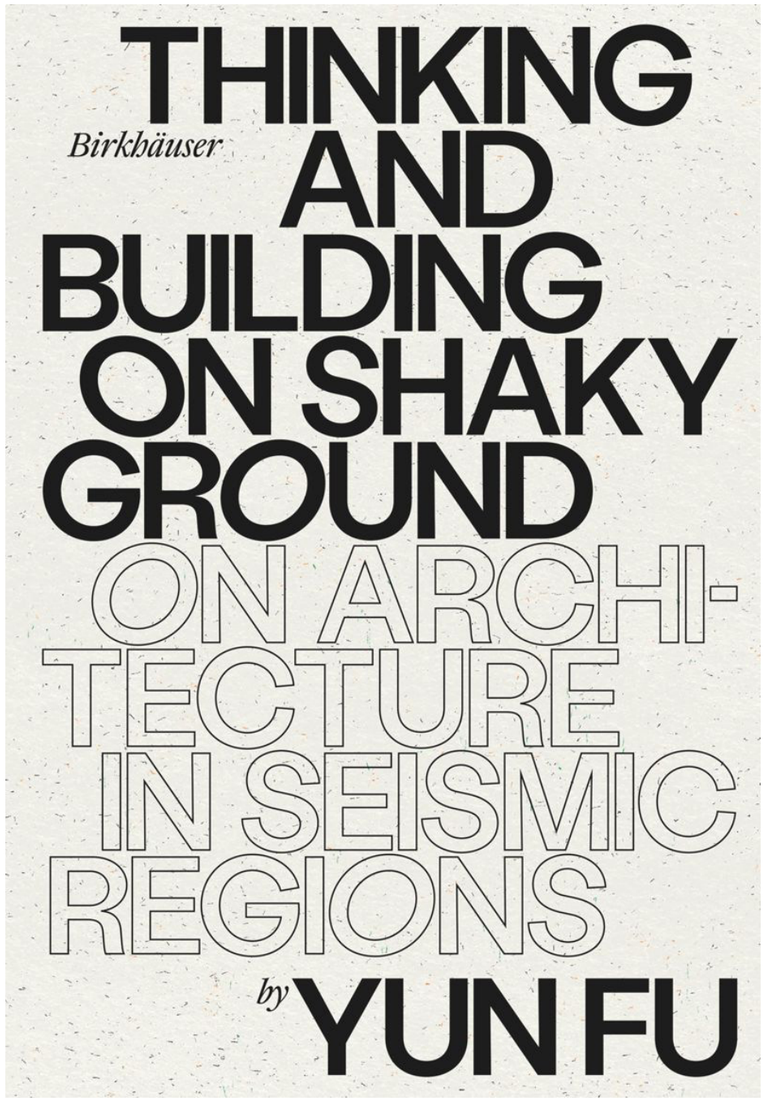


Robinson Crusoe

The architect-bricoleur



“The bricoleur is the opposite of the engineer. The engineer imposes their concepts on reality, while the bricoleurs look for signs in the reality around them. The bricoleur has an untamed mind putting order into things.”



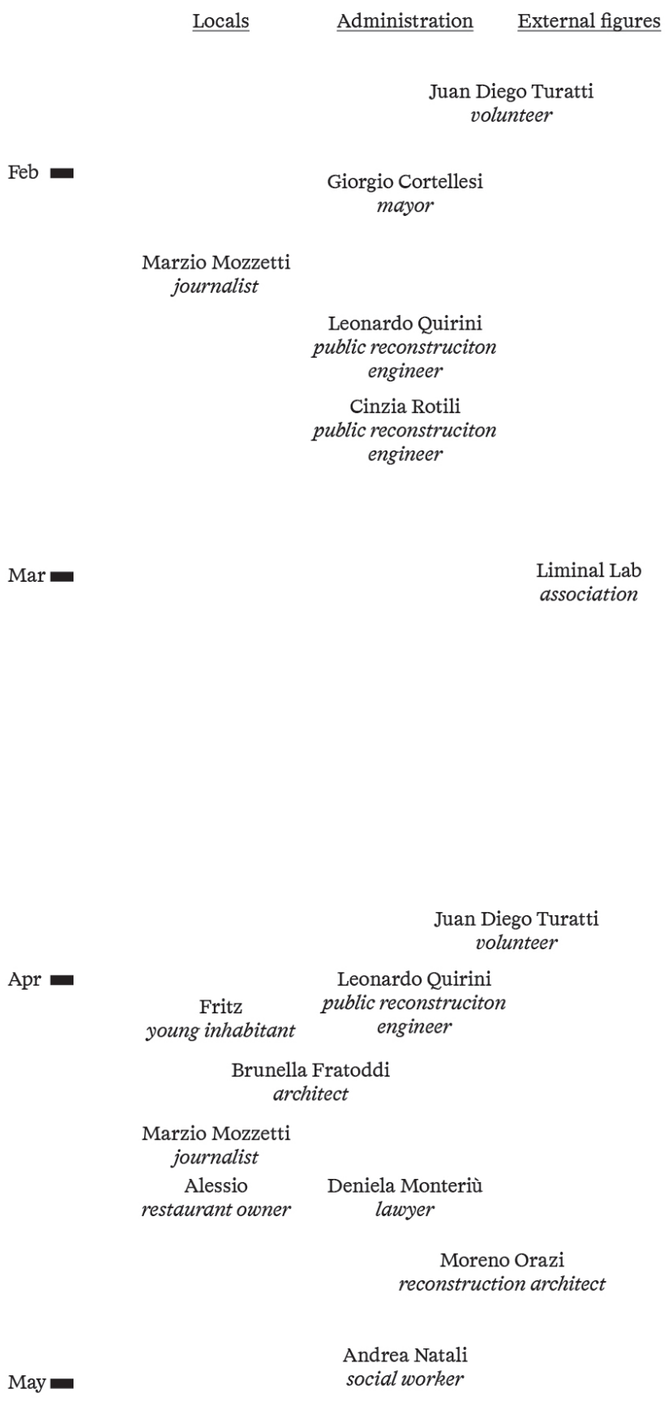
Yun Fu
Maintenance and readiness

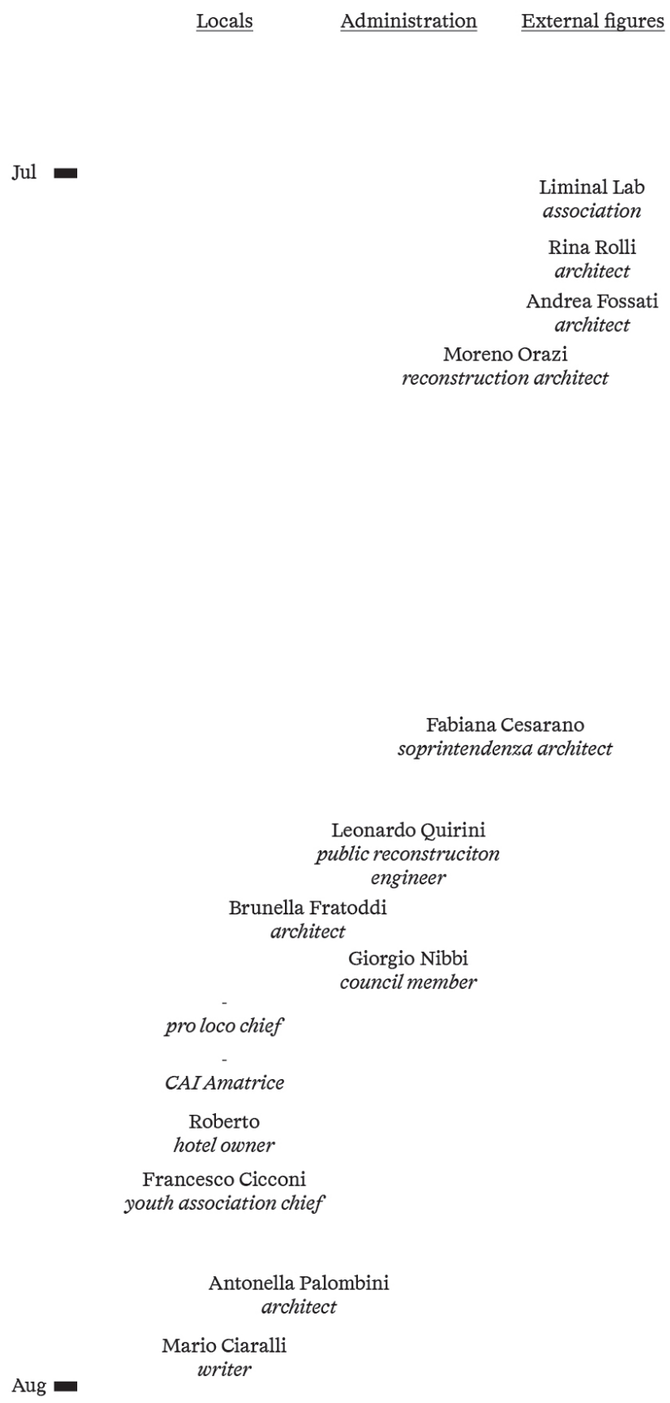
Archaeological Bricoleurs

Bricoleur's toolkit:

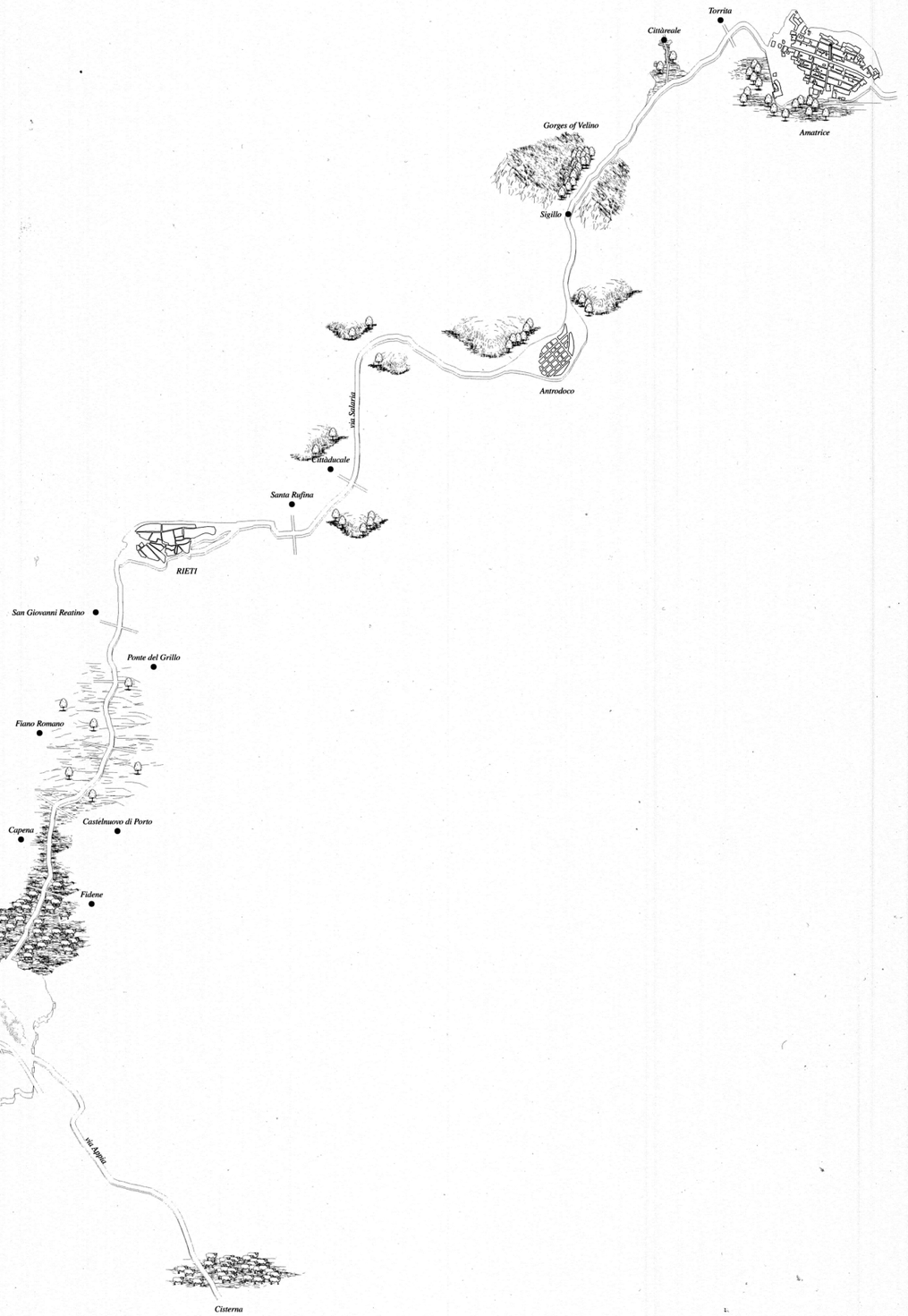
(1) Lore
Past and present memories

The spoken context



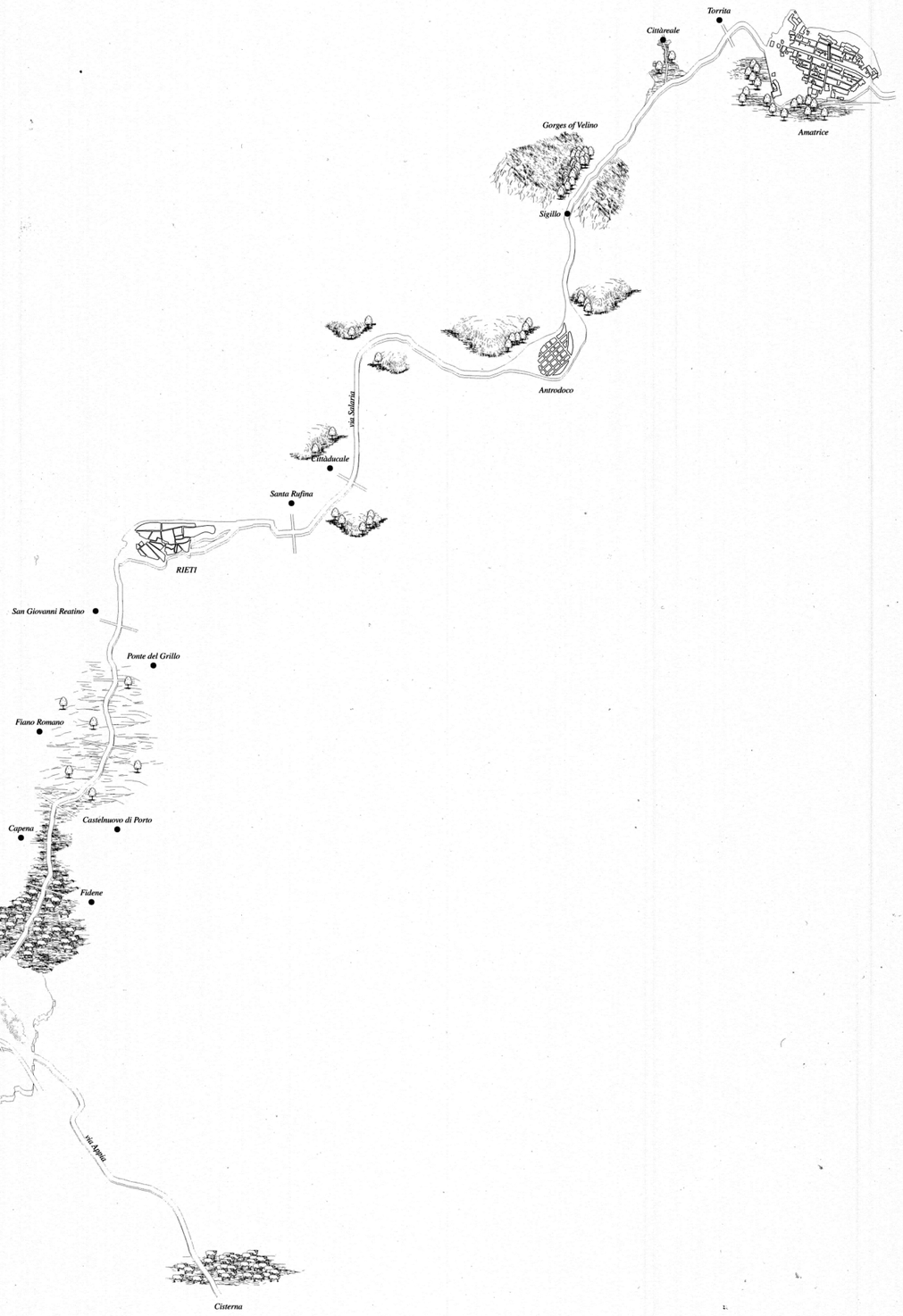


Via Salaria

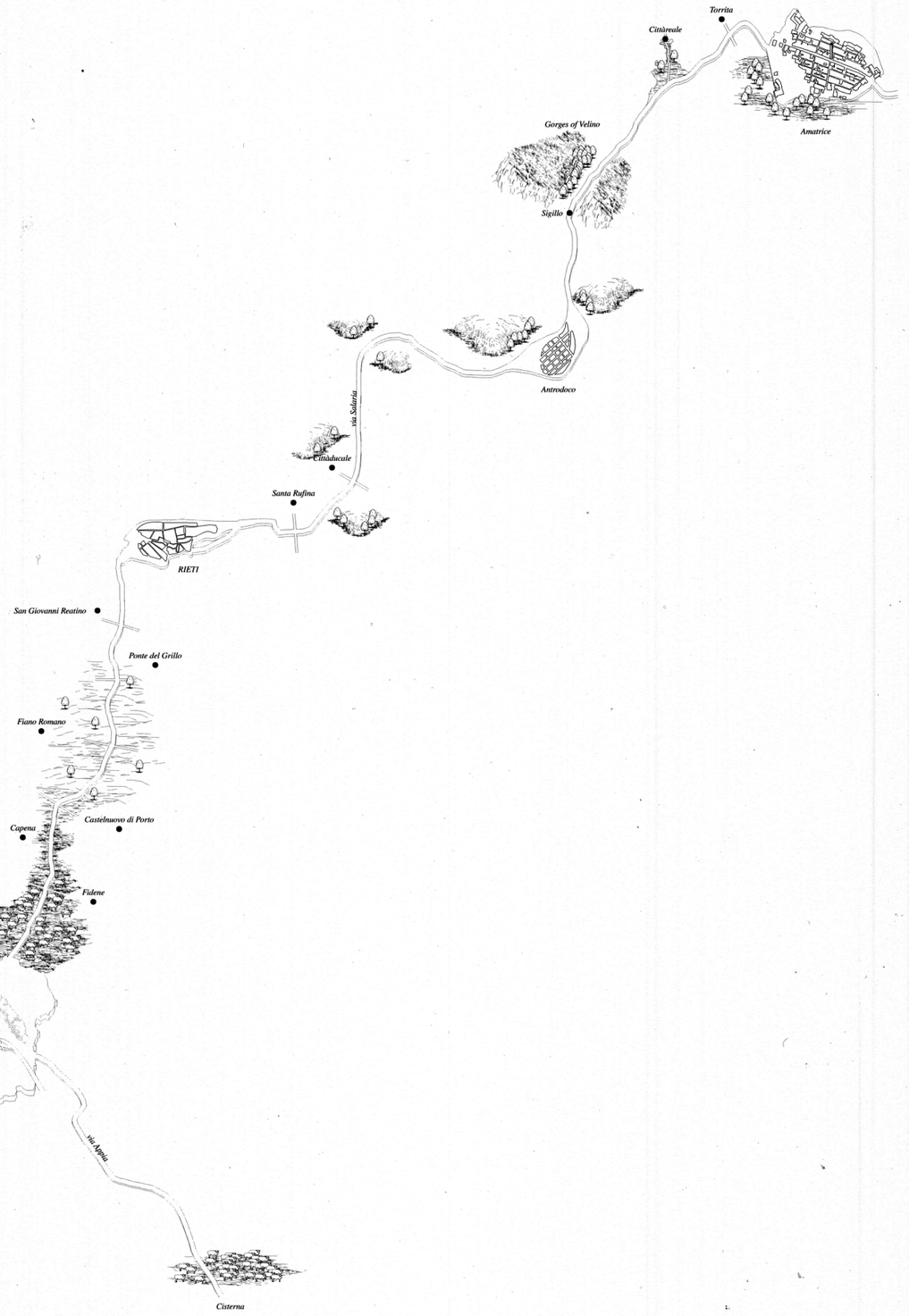

Torrita
Cittàreale
Amatrice
Gorges of Velino
Sigillo
Antrodoco
via Salaria
Cittaducale
Santa Rufina
RIETI
San Giovanni Reatino
Ponte del Grillo
Fiano Romano
Castelnuovo di Porto
Capena
Fidene
ROME
via Appia
Cisterna



Via Salaria

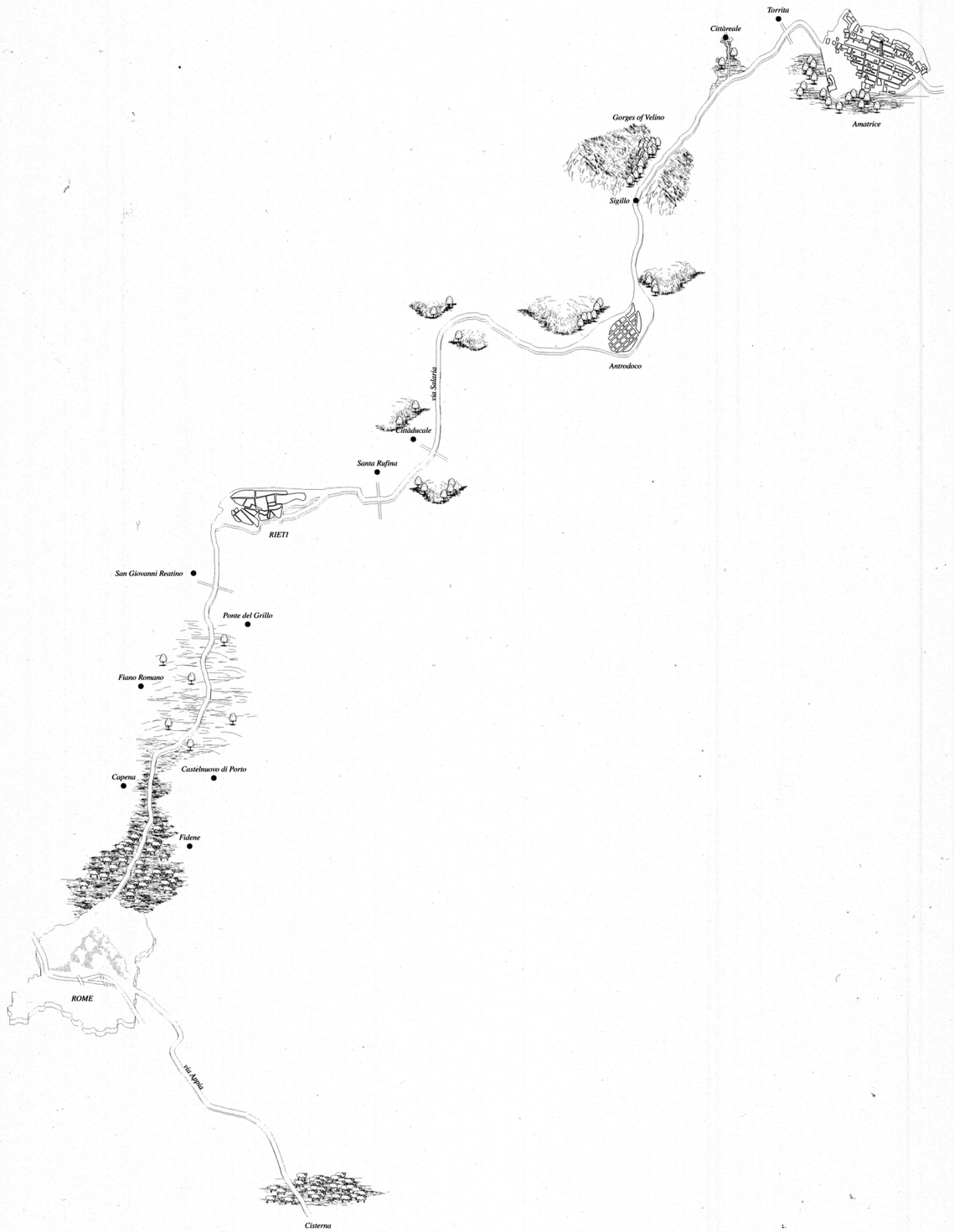

Torrita
Cittàreale
Amatrice
Gorges of Velino
Sigillo
Antrodoco
via Salaria
Cittaducale
Santa Rufina
RIETI
San Giovanni Reatino
Ponte del Grillo
Fiano Romano
Capena
Castelnuovo di Porto
Fidene
ROME
via Appia
Cisterna


UMBRIA
Ascoli Piceno
VIA SALARIA
F. Tronto
Todi
Norcia
Arquata del Tronto
Acquasanta Terme
Giulianova
Teramo
Amatrice
Terni
Orte
Valle del Velino
F. Velino
Vasche
Rieti
Terme di Cotilia
Antrodoco
L' Aquila
ABRUZZO
Civita Castellana
F. Tevere
LAZIO
Farfa
Fara in Sabina
Cures
Monteleone Sabino
Lago di Bracciano
Sette Bagni
VIA SALARIA
Fidene
Tivoli
Sulmona
Avezzano
Roma

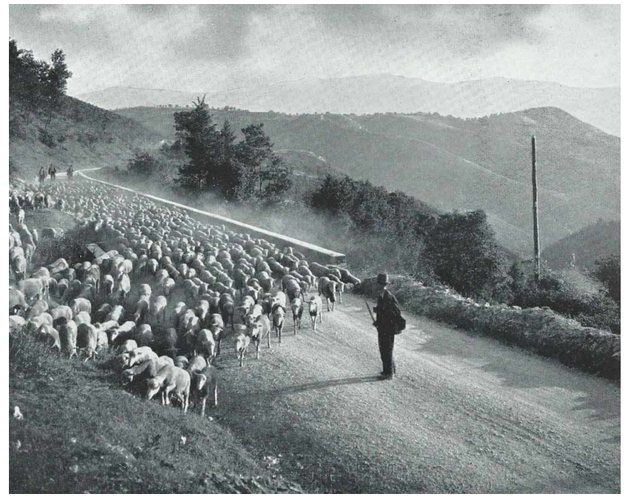


Medieval town
11th century ca.





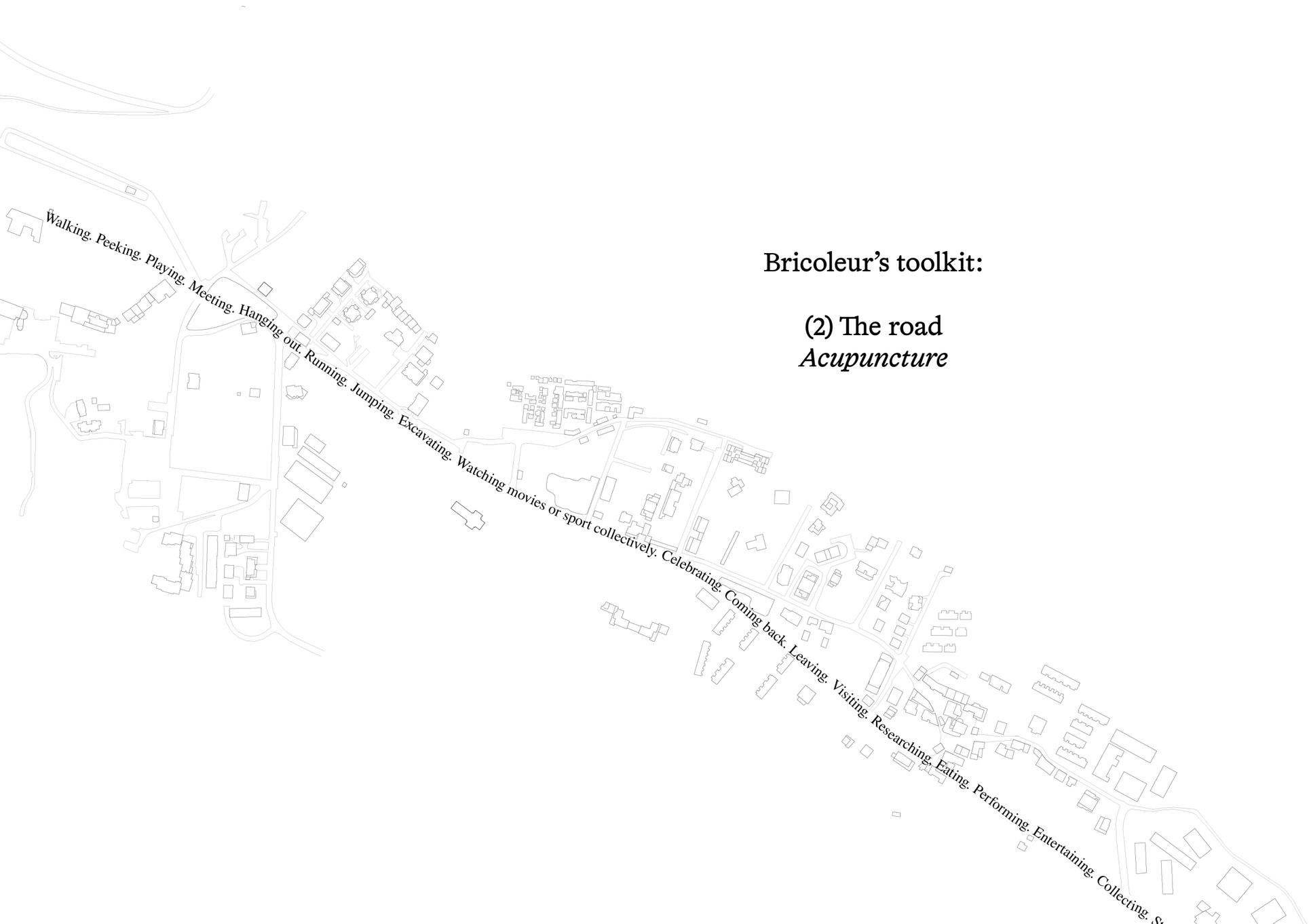
Transhumances
1950s





Festivals and parades





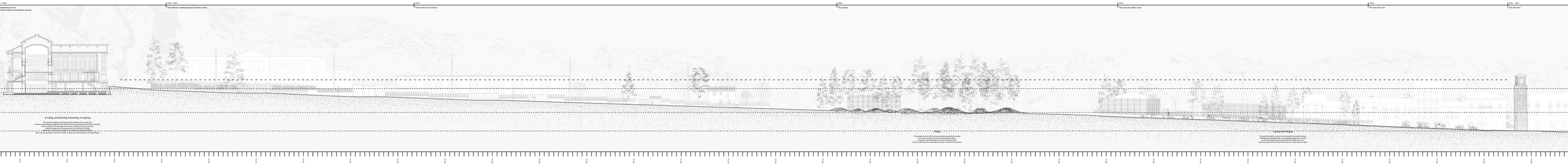
Bricoleur's toolkit:

(2) The road
Acupuncture

Three sites


Walking. Peeking. Playing. Me
ging out. Running. Jumping. Excavating. Watching movies or sport collectively. Celebrating. Coming back. Leaving. Visiting. Researching. Eating. Performing. Entertaining. Collecting. S

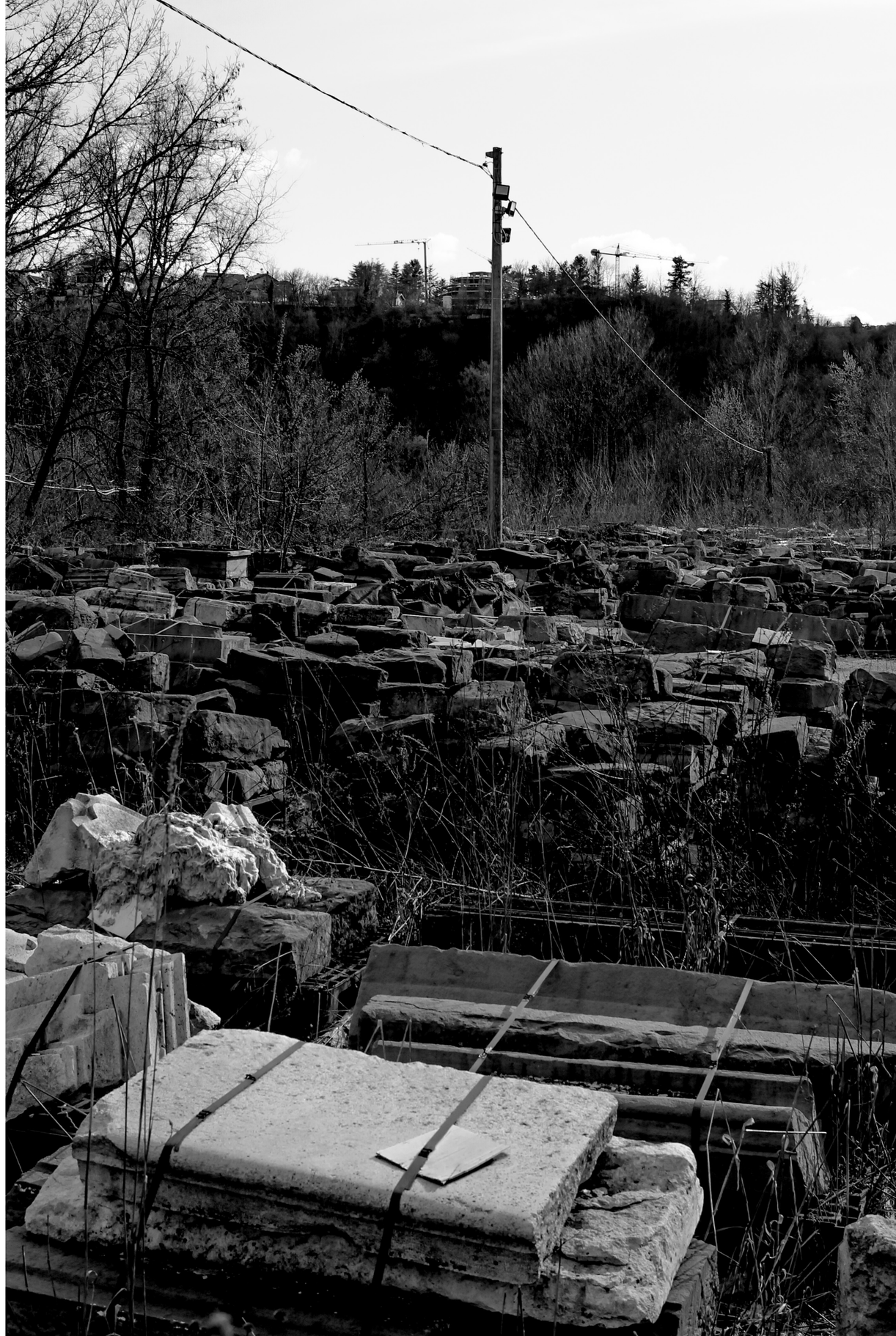
The church, the garden, the square



Bricoleur's toolkit:

(3) Debris
Material cultures of destruction


P.221
DE




PART 328
VIA GARIBALDI 366
PART 232











Matter

Heritage as inheritance

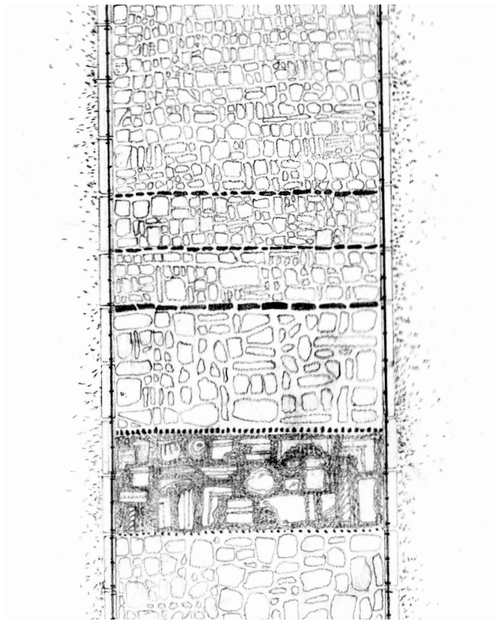
Gestures



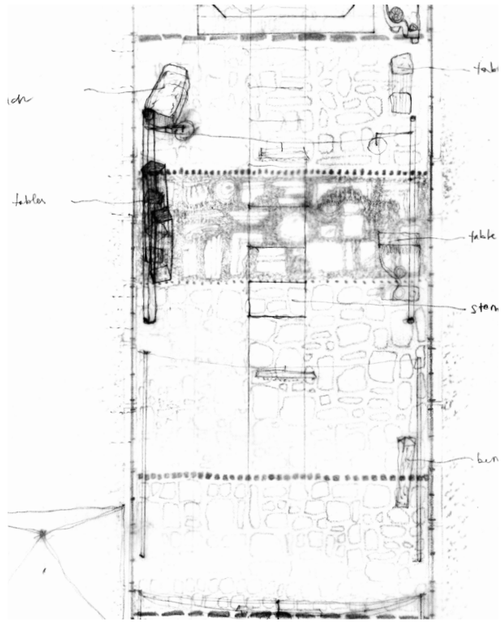
Piling



Laying



Laying



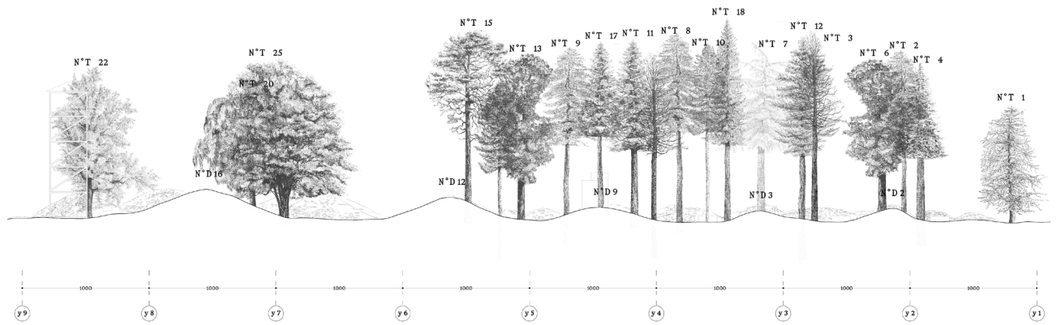
Staging



The garden
Piling

The garden
Piling





The garden
Rooms



The garden
Debris and geology



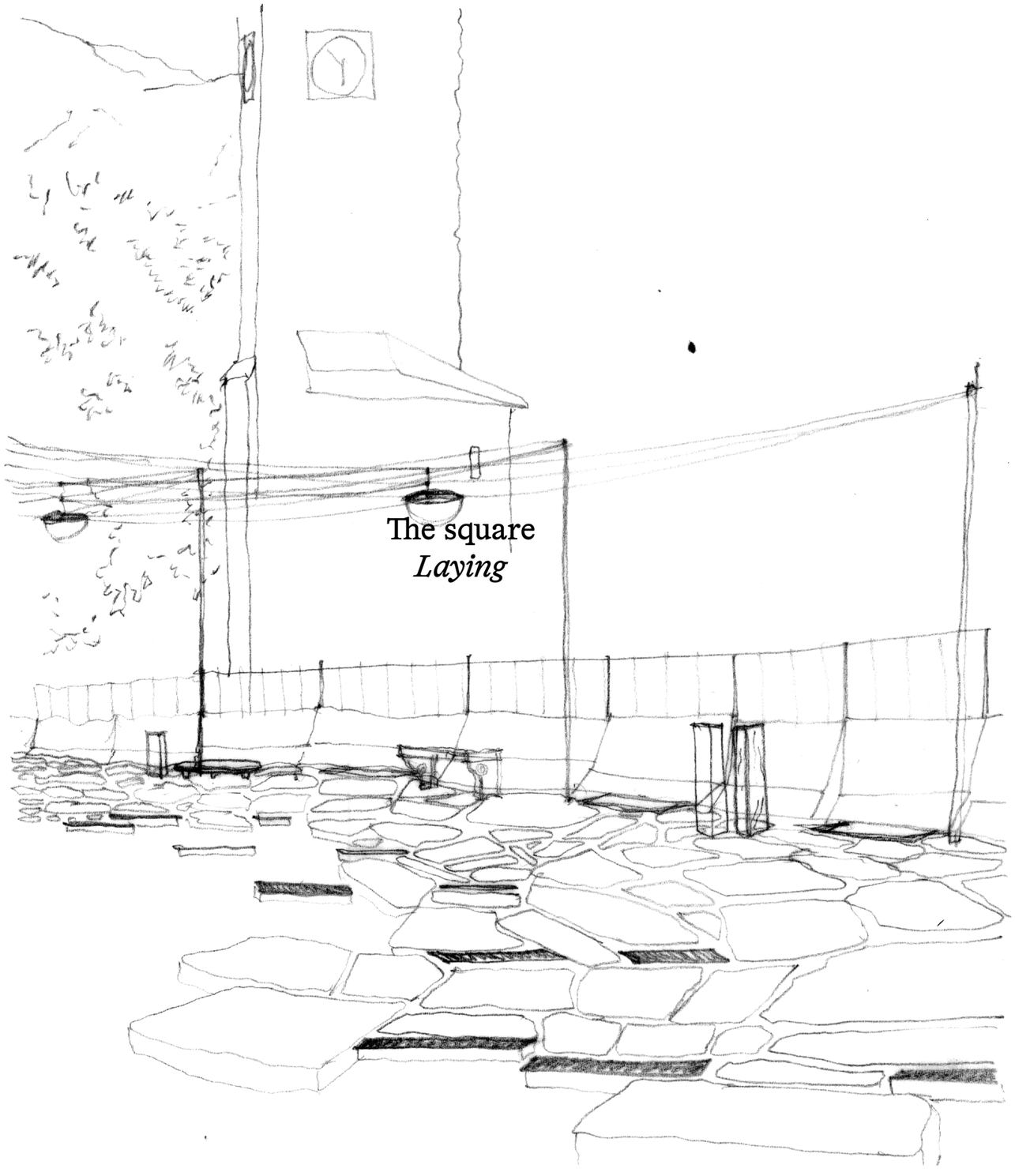
The garden
Debris and nature










The square
Laying

Processions and parades

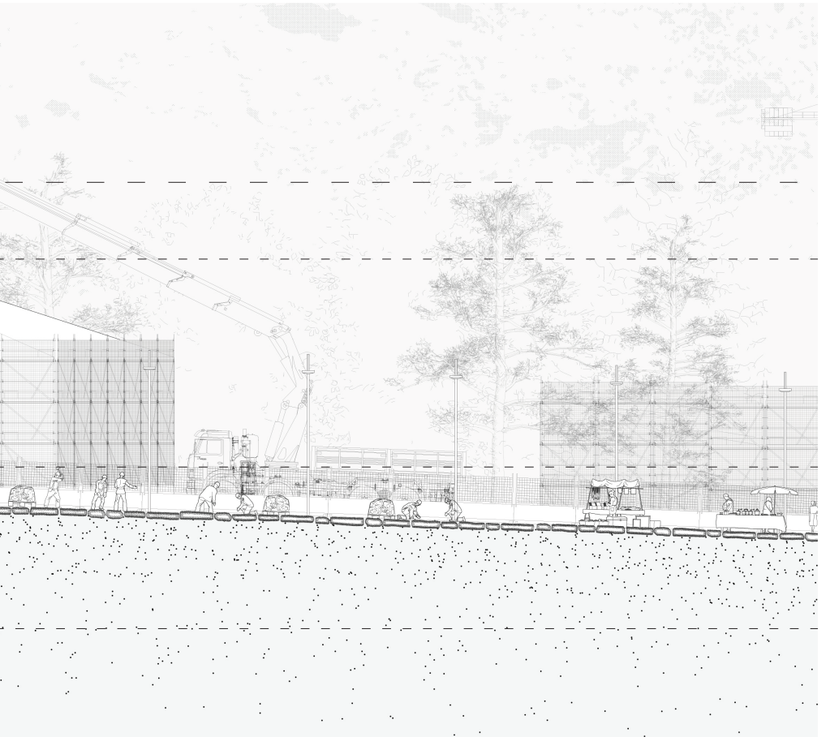




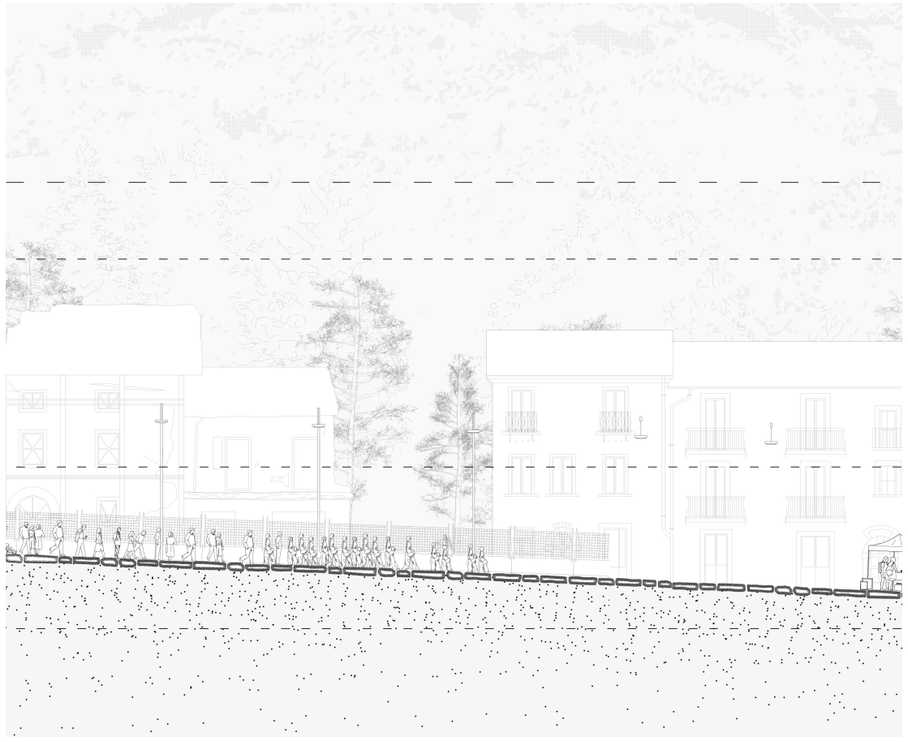


Inhabitation in time

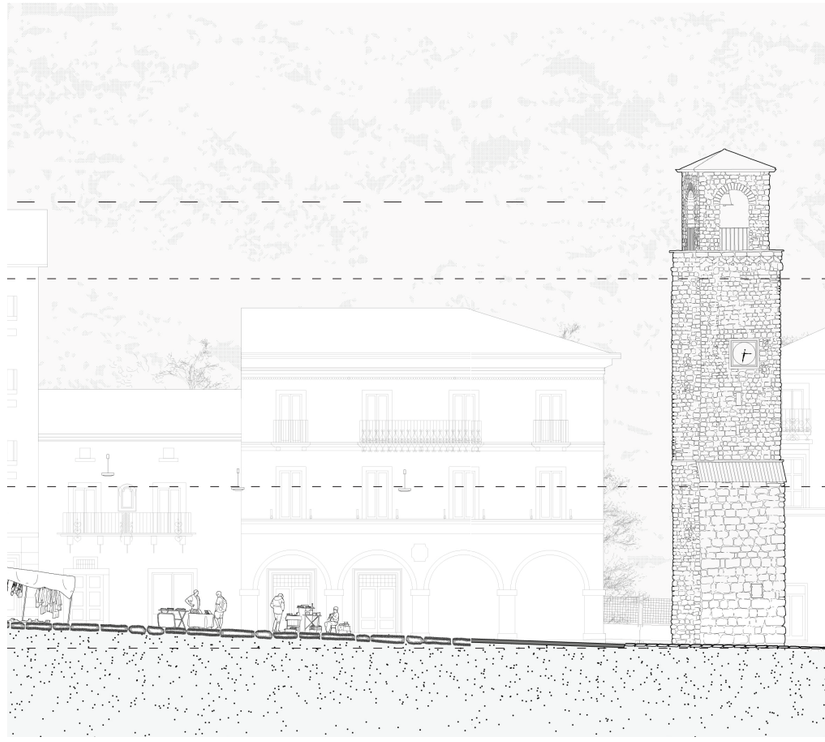
2025



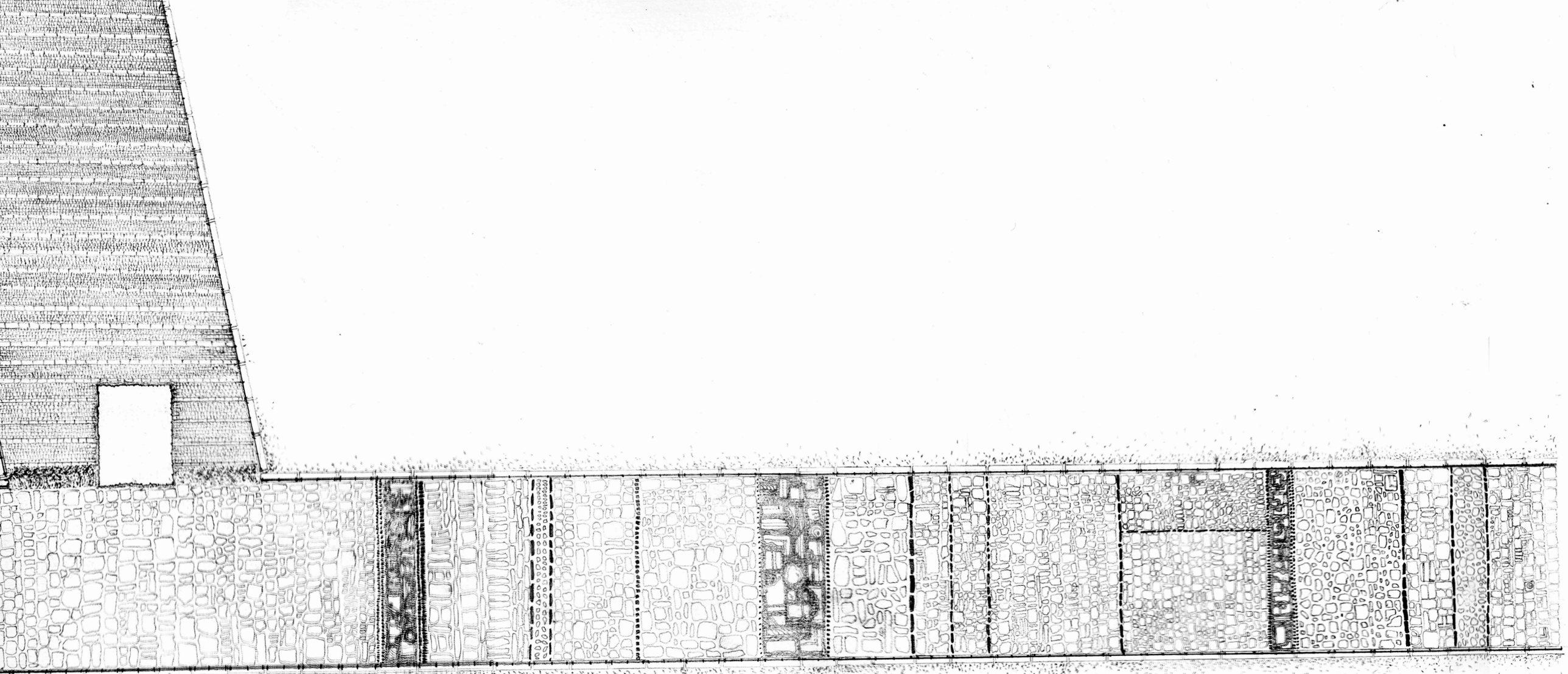
2030



2040

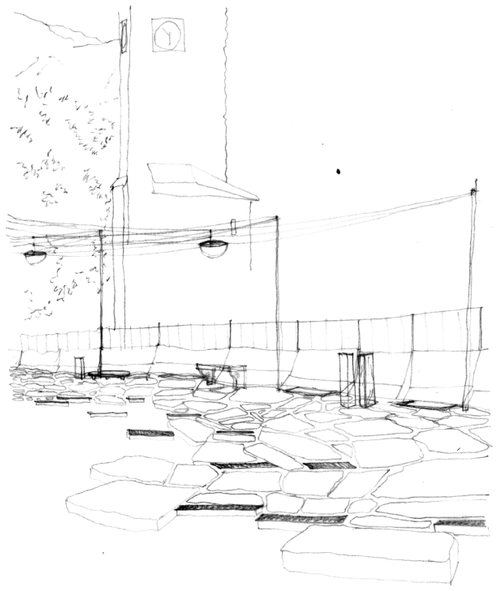






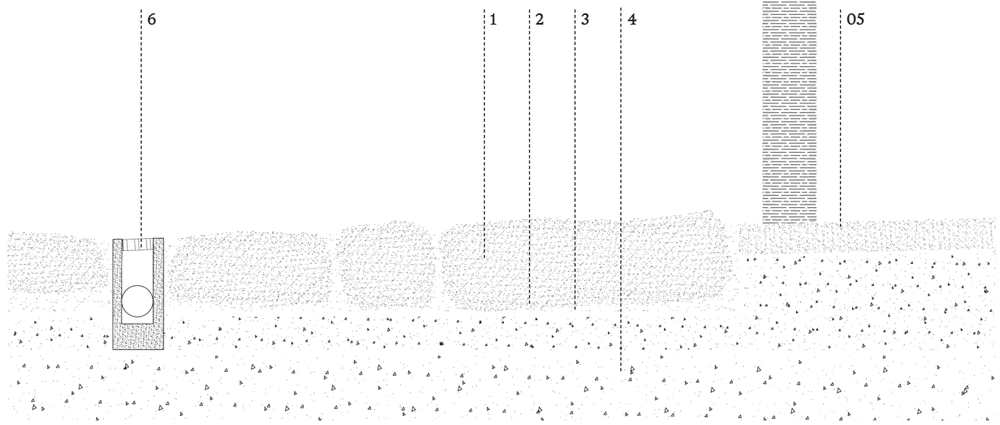


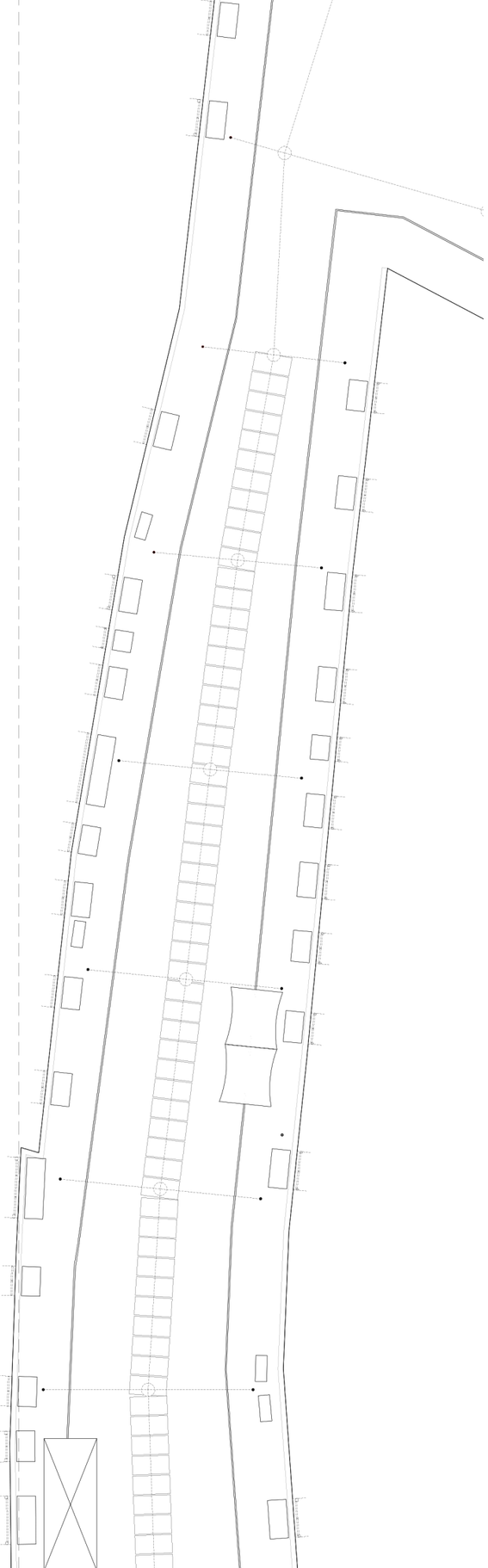
The road
Rubble





1 Earthquake rubble paving, varying sizes up to 200 mm, 1,5% inclination
2 0/5 crushed sand dynamic leveling course, varying height up to 200 mm
3 0/32 mineral mixture, 50 mm ballast course
4 0/45 frost protection course, 200 mm
5 Travertine paving, 50 mm
6 Drainage pipe 80 mm
7 Provisional light post





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2 0/5 crushed sand dynamic leveling course, varying height up to 200 mm
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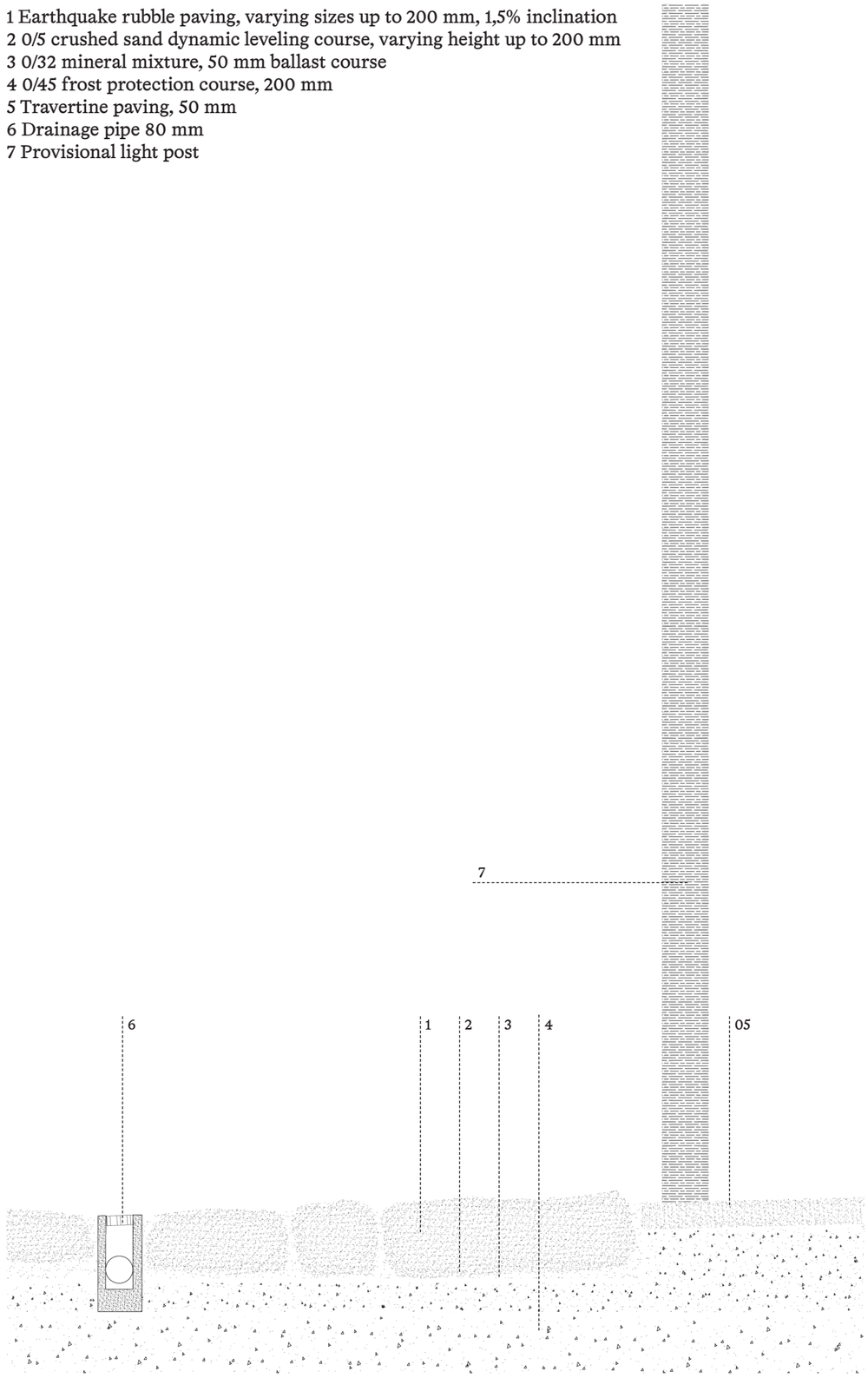
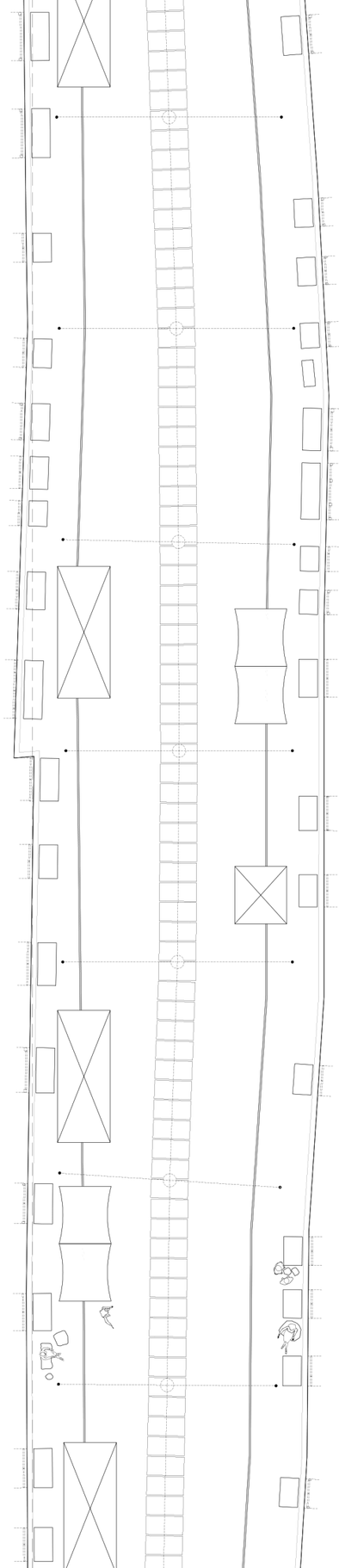
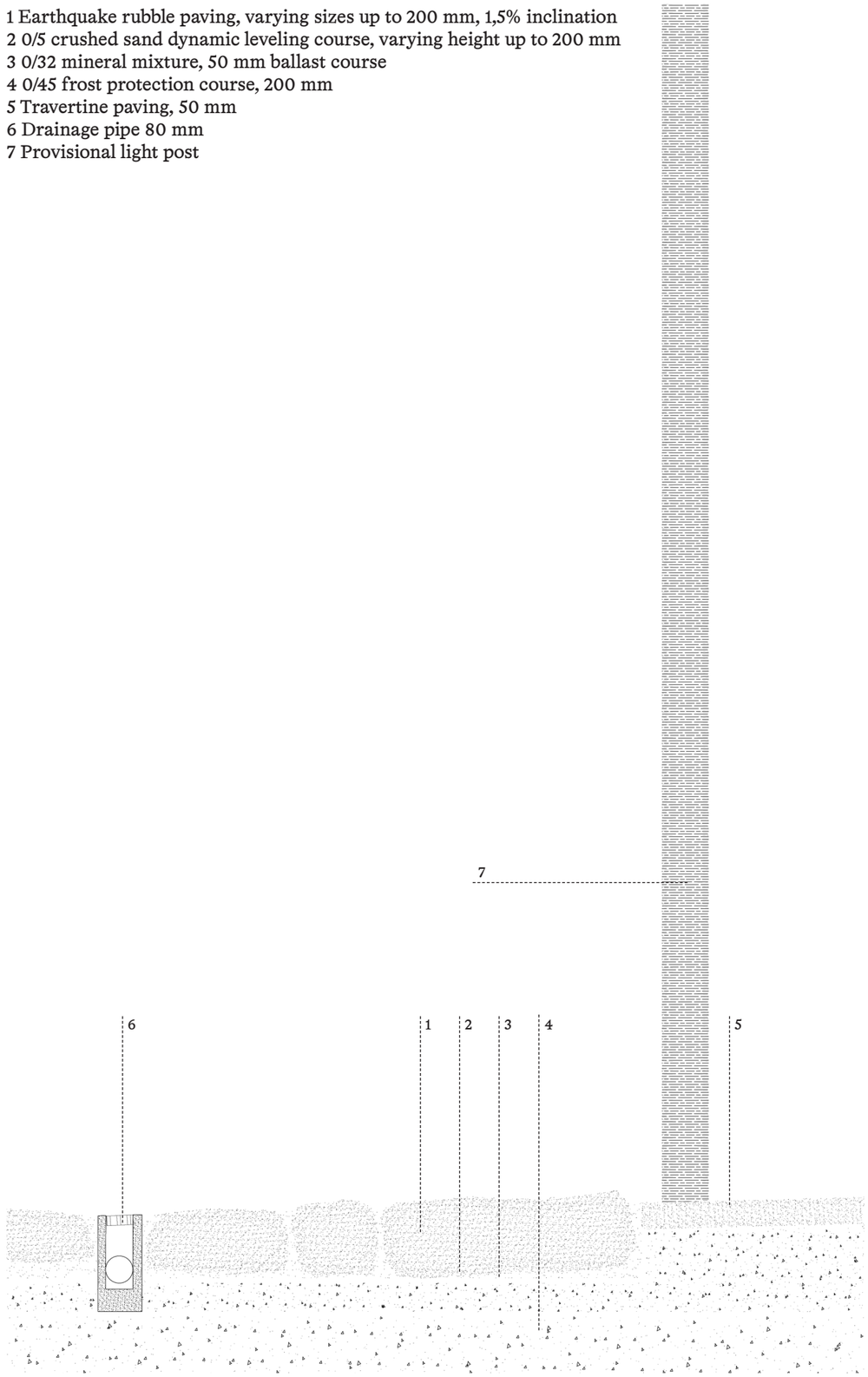
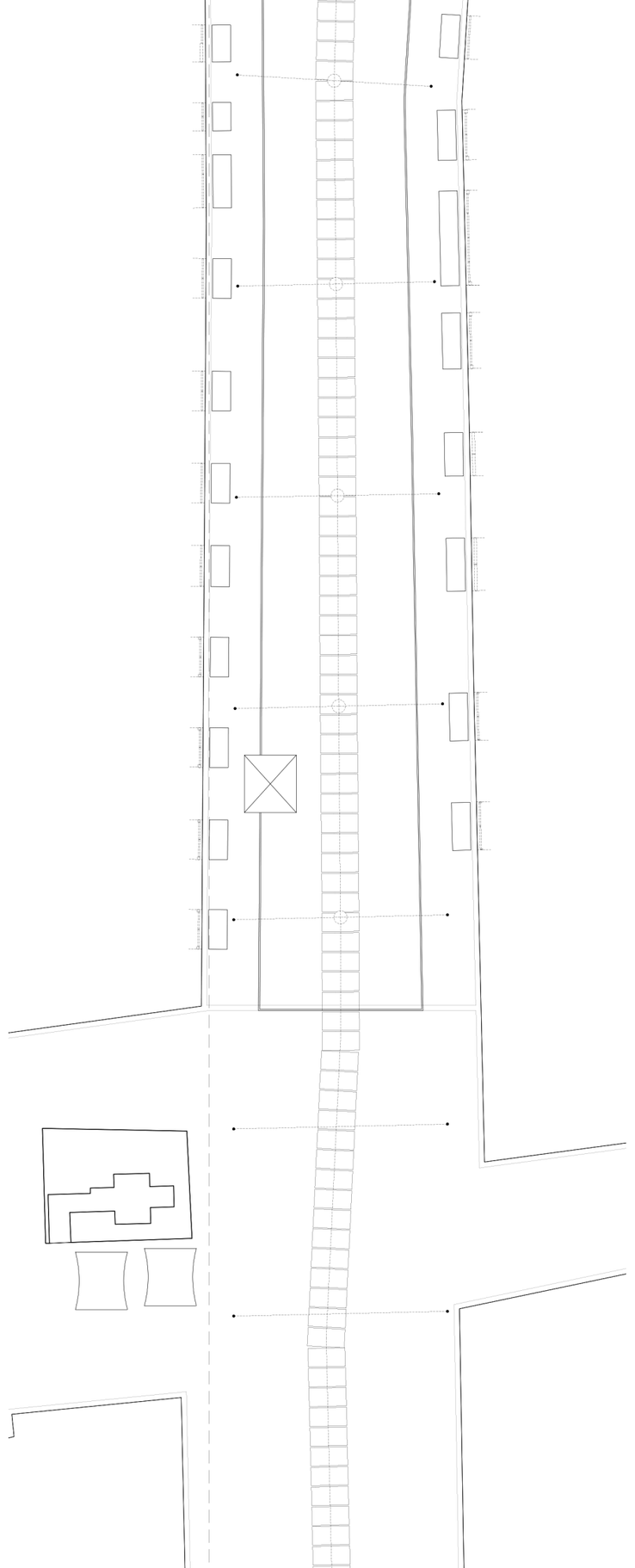
5 Travertine paving, 50 mm
6 Drainage pipe 80 mm
7 Provisional light post





1 Earthquake rubble paving, varying sizes up to 200 mm, 1,5% inclination
2 0/5 crushed sand dynamic leveling course, varying height up to 200 mm
3 0/32 mineral mixture, 50 mm ballast course
4 0/45 frost protection course, 200 mm
5 Travertine paving, 50 mm
6 Drainage pipe 80 mm
7 Provisional light post







The church
Santa Maria Assunta in
the Don Minozzi Orphanage





The church
1930s





The church
1980s





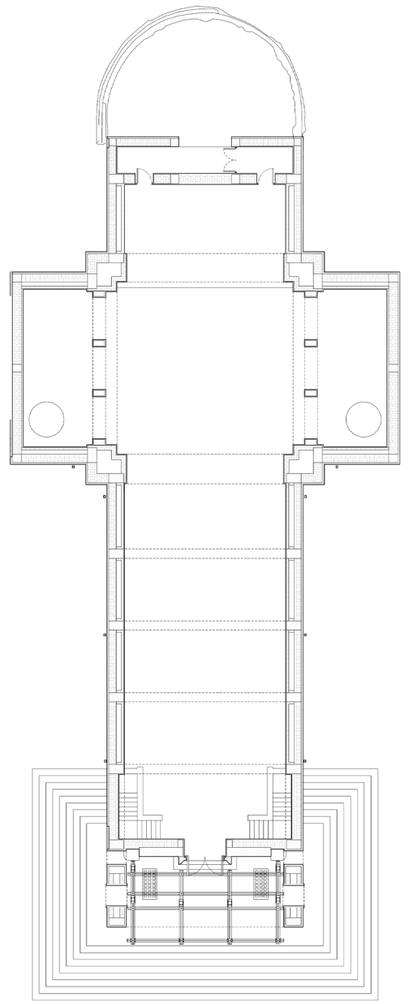
The church
2025 - Casa Futuro



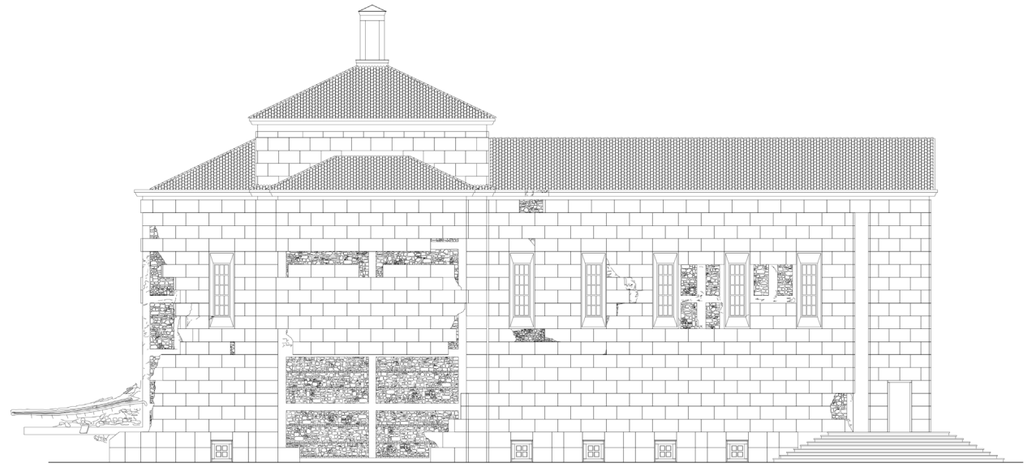


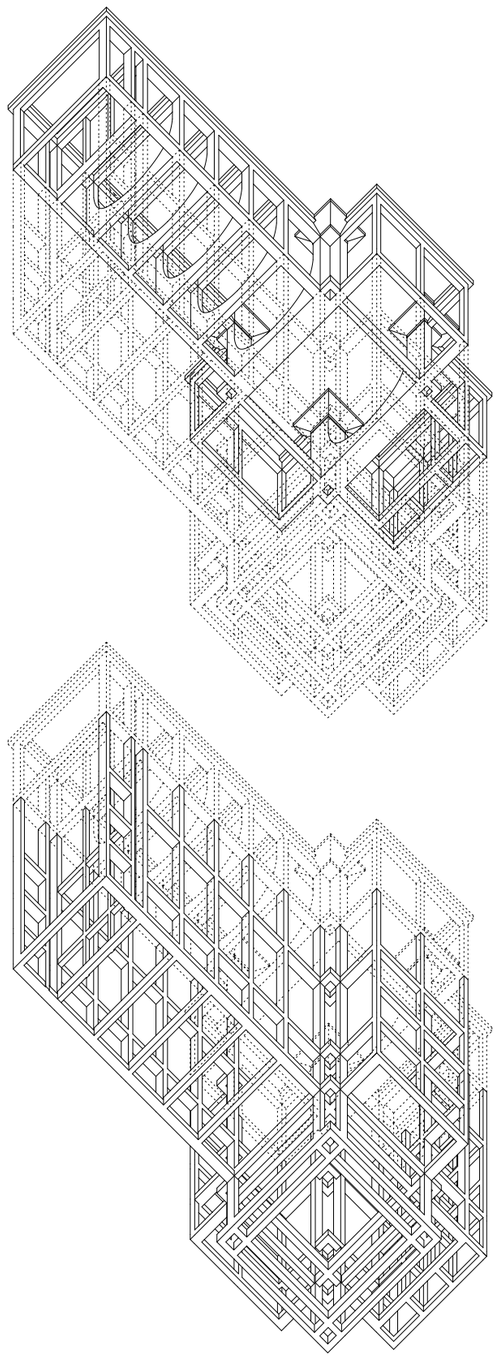
2025
The church as a shed

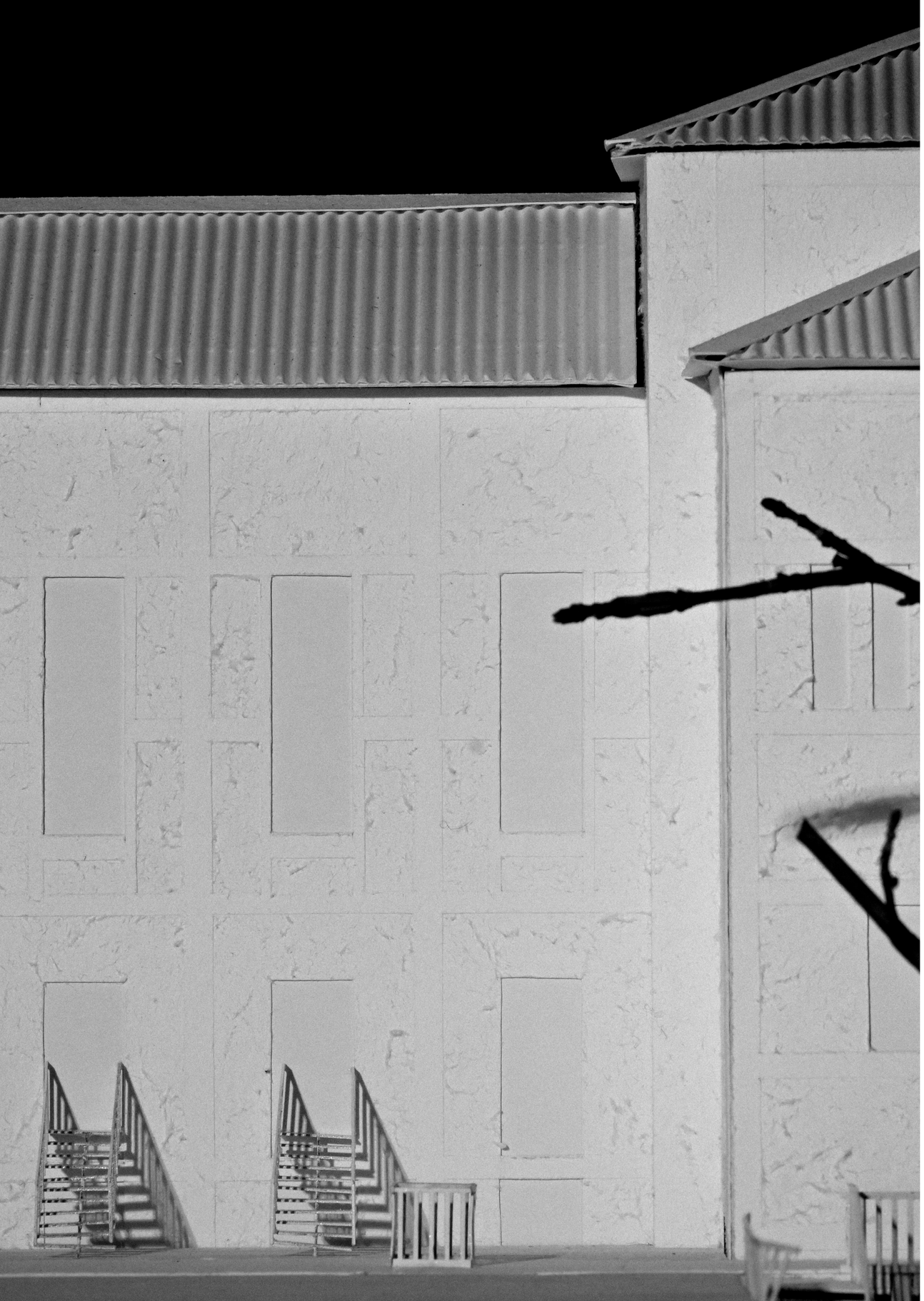














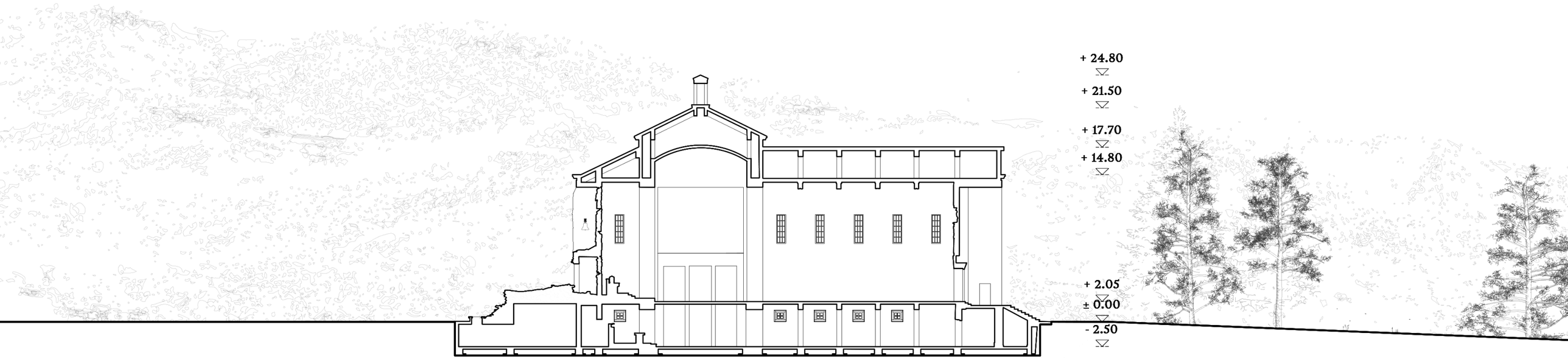


Church hall



Crypt

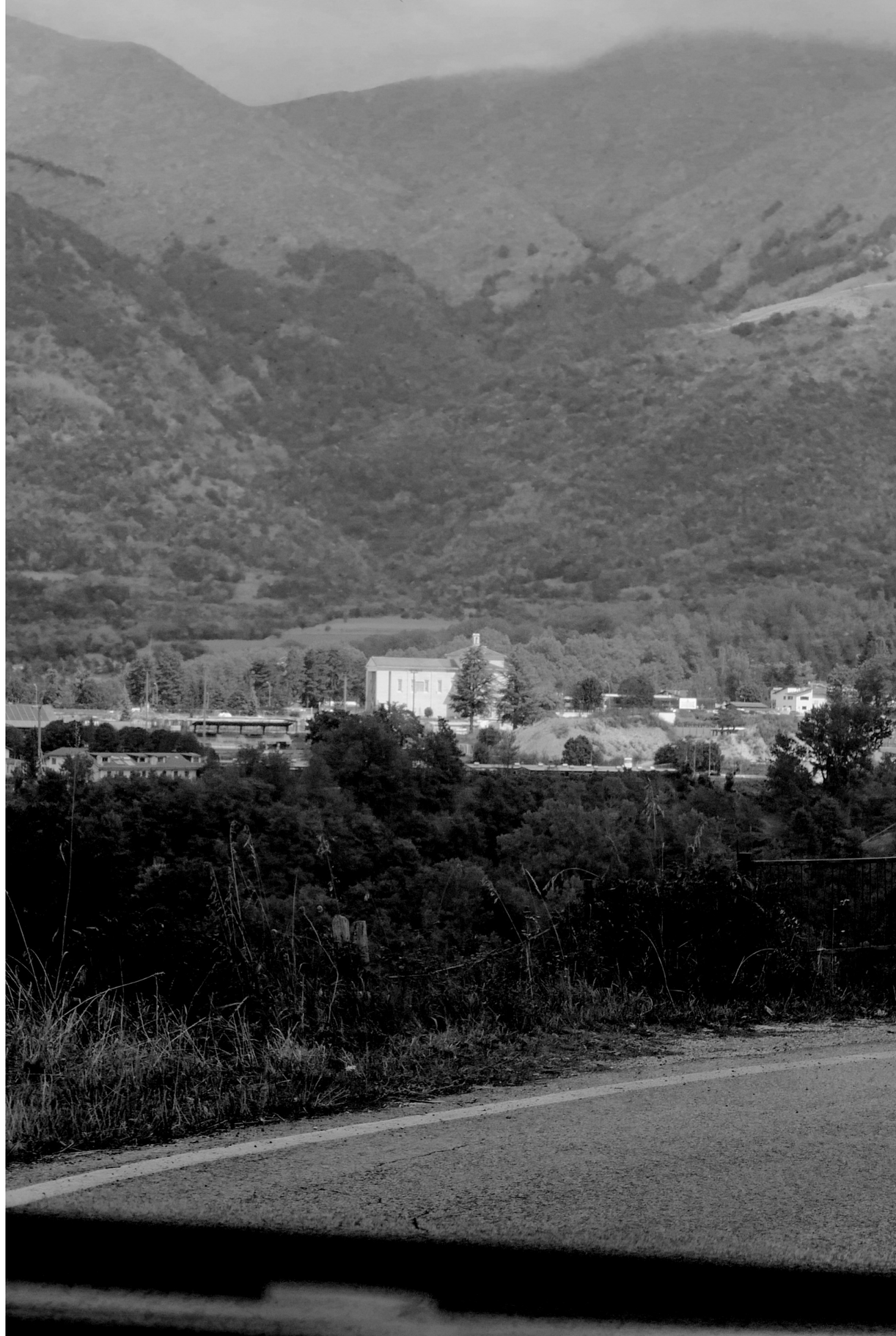










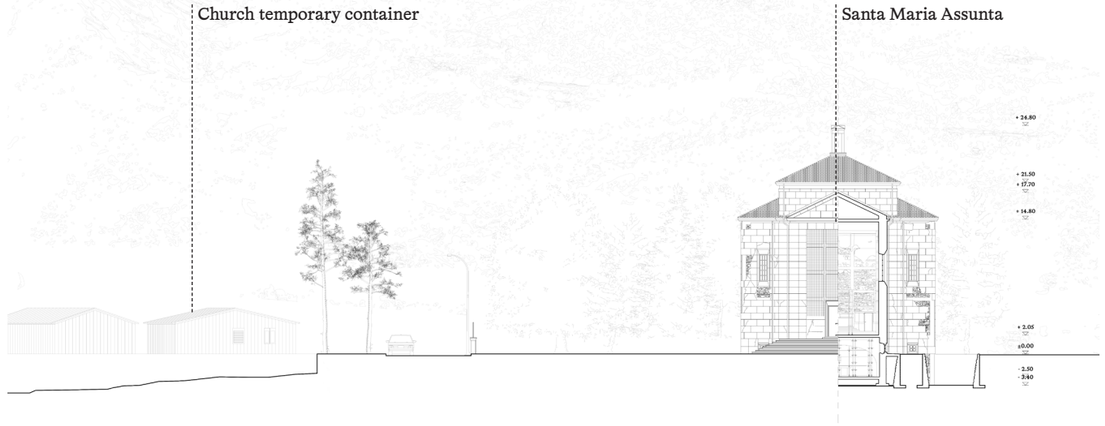


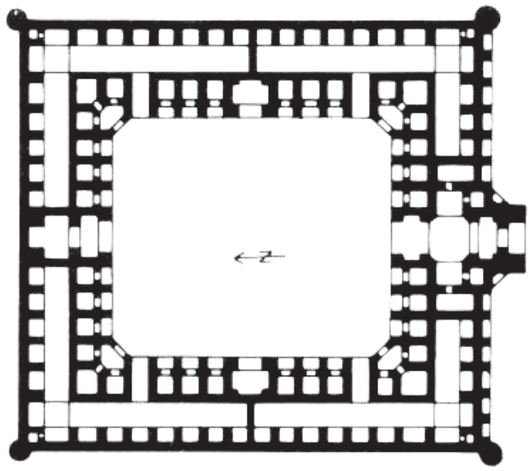
1 Chiesa di Sant'Agostino
2 Chiesa di San Francesco
3 Chiesa di San Giovanni
4 Civic Museum, former Chiesa di Sant'Emidio
5 Chiesa di San Giuseppe
6 Cinema, former Chiesa di San Domenico
7 Chiesa del Purgatorio
8 Chiesa dell'Immacolata
9 Chiesa di San Fortunato
10 Santa Maria di Porta Ferrata
11 Chiesa di San Giuseppe di Leonessa
12 Chiesa del Santissimo Crocifsso

Churches in Amatrice

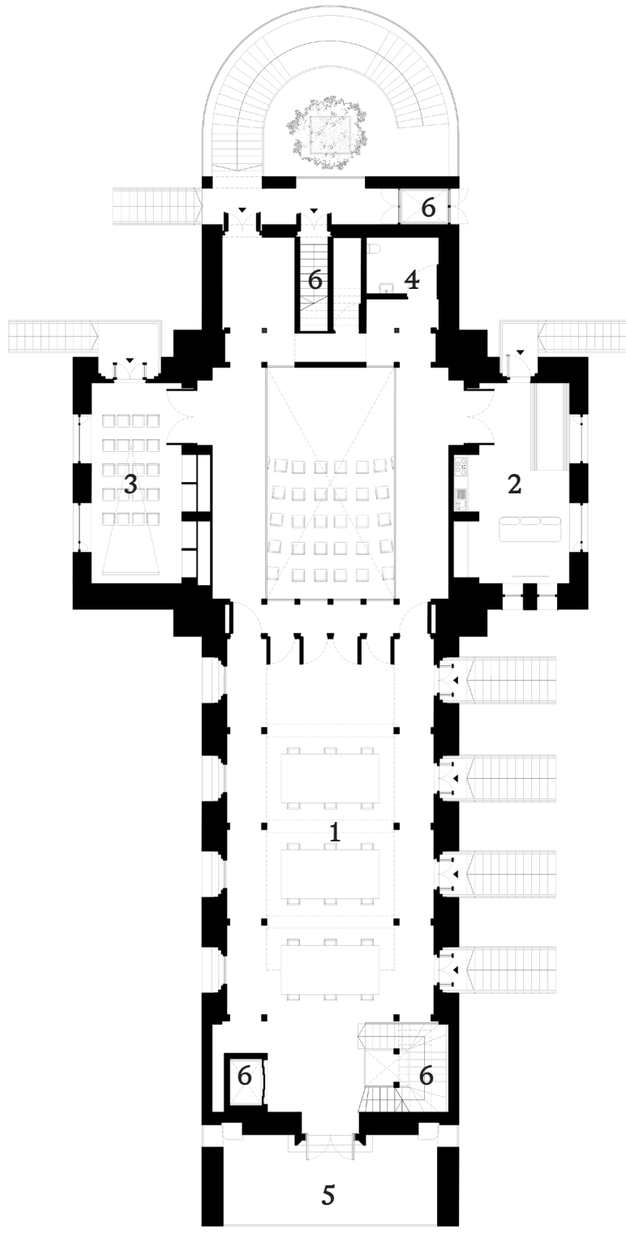


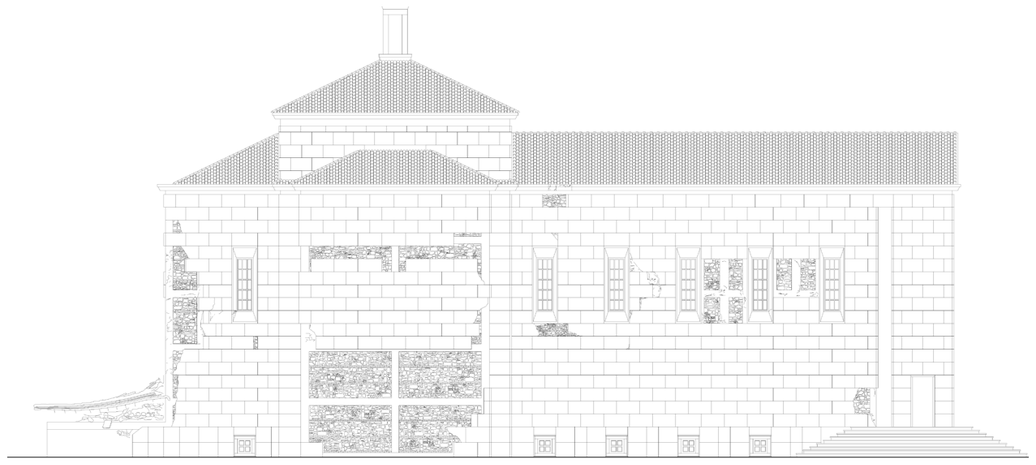

EF 696TY

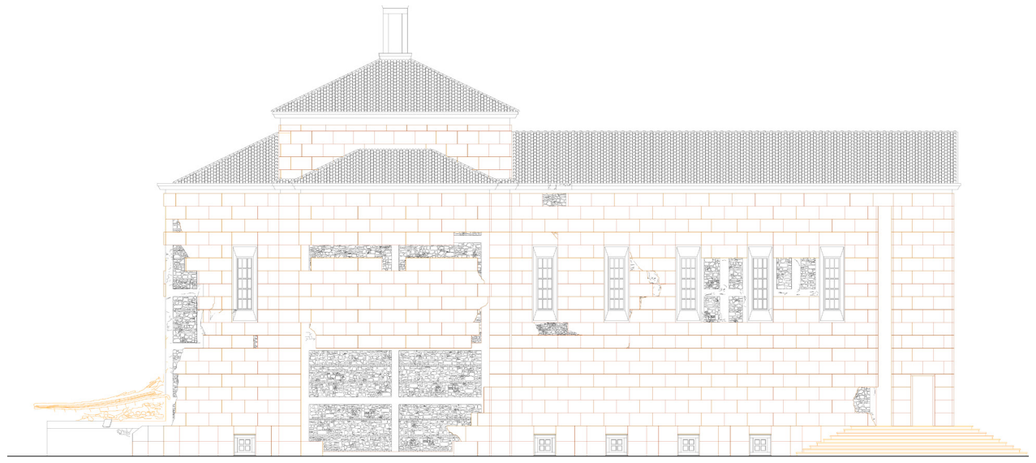

Church temporary container
Santa Maria Assunta
+ 24.80
+ 21.50
+ 17.70
+ 14.80
+ 2.05
±0.00
- 2.50
- 3.40

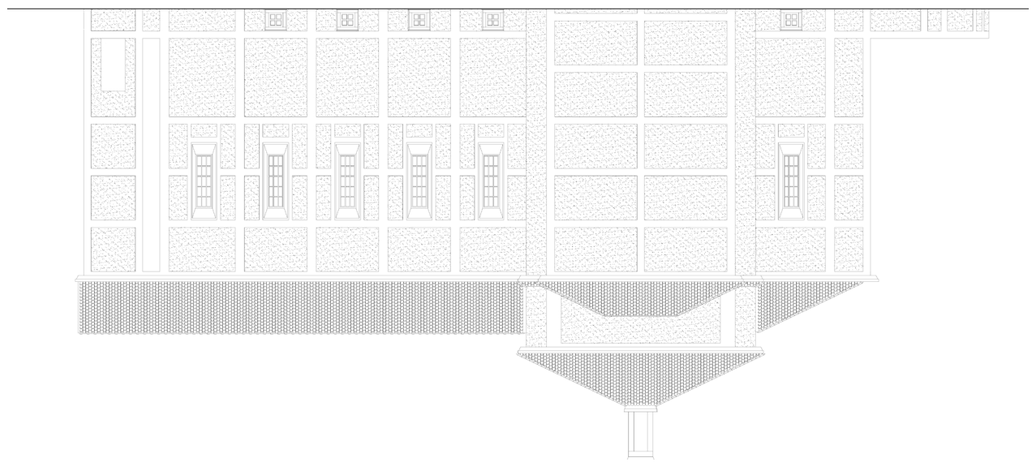


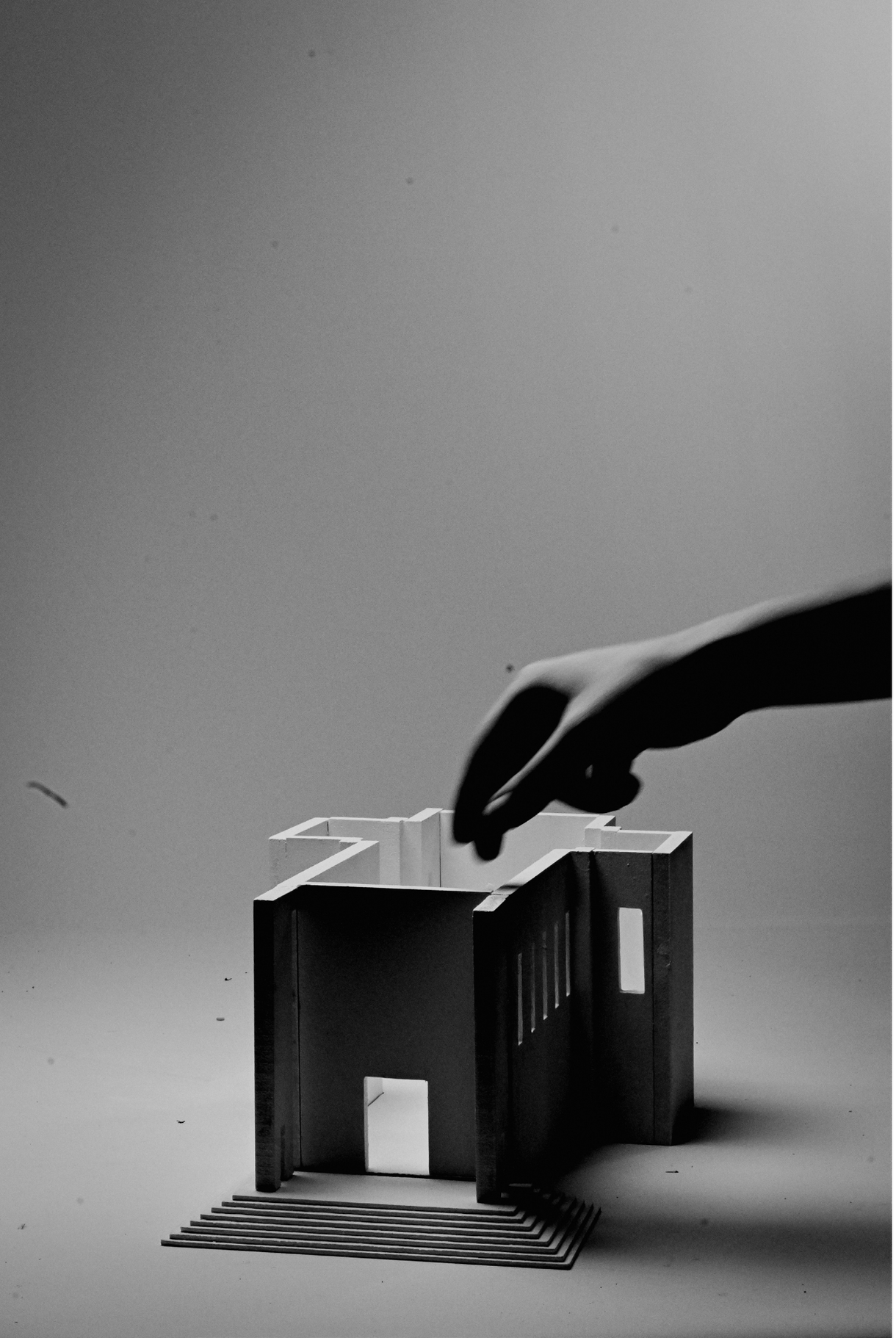
1 Reading room
2 Living room
3 Projection room
4 Toilet
5 Terrace
6 Circulation





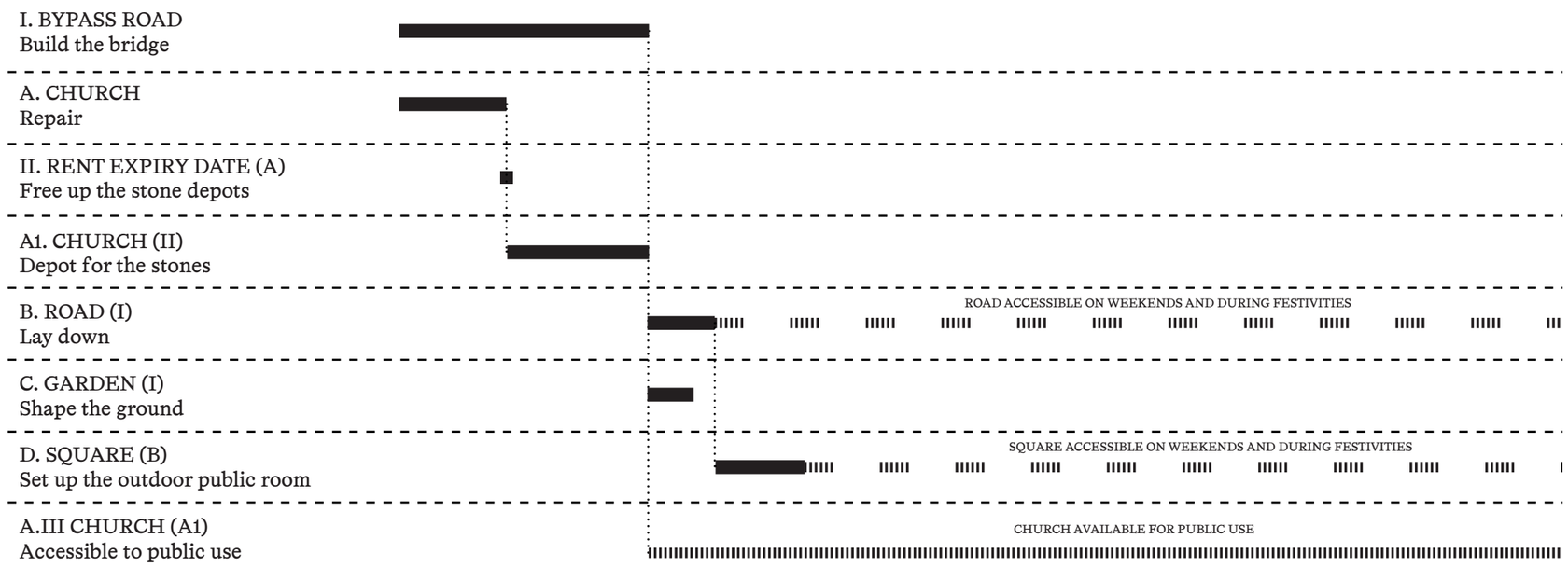








Connection between uses in time

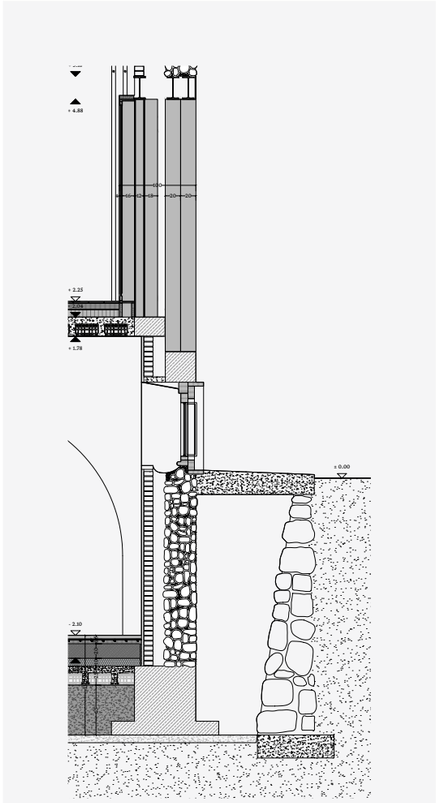




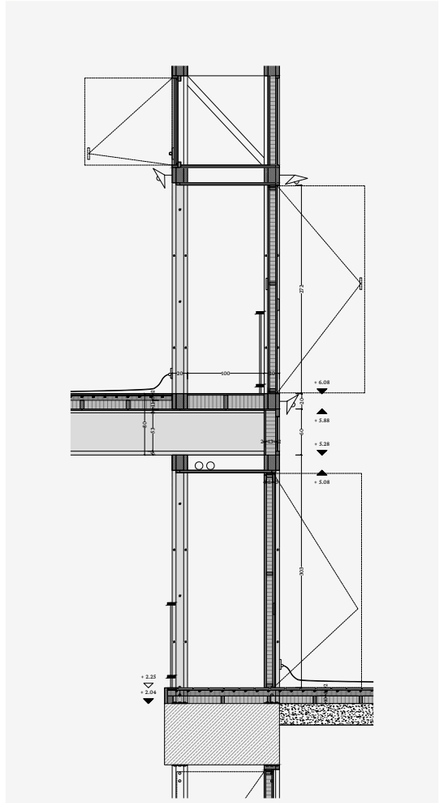




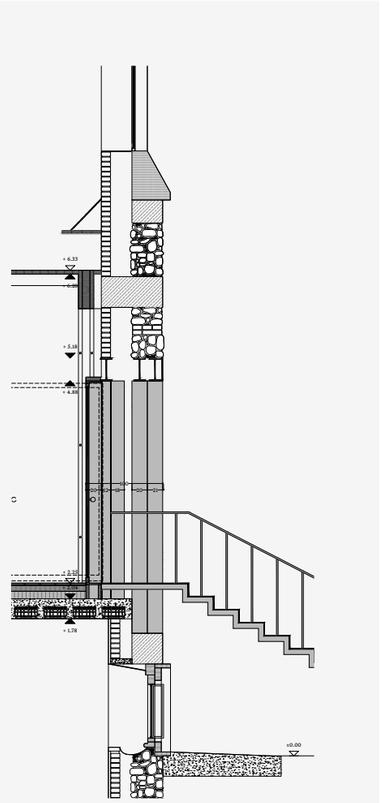




Leveling

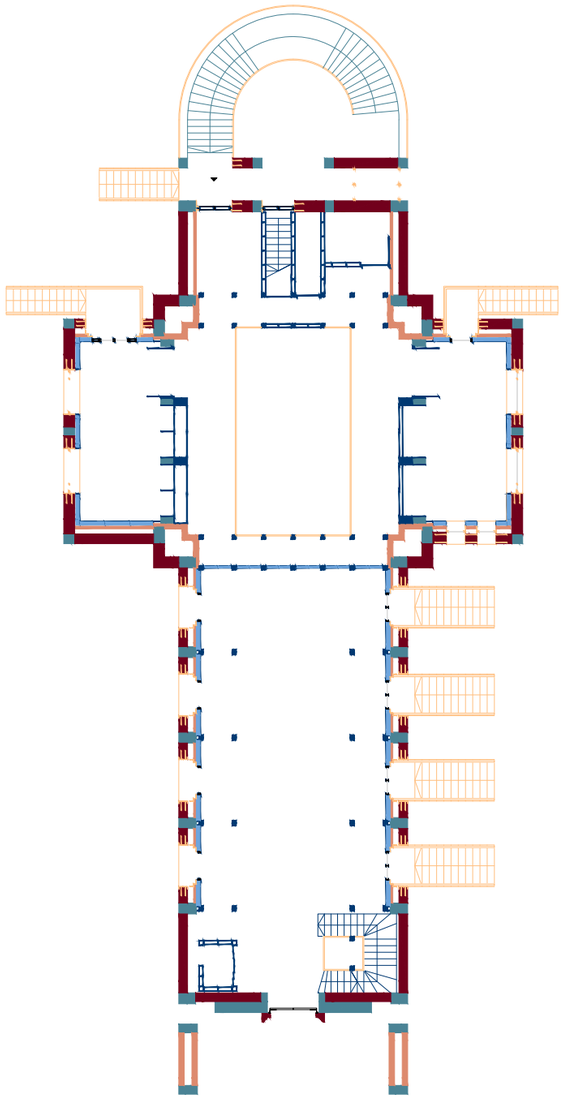


Partitioning



Breaching

- Concrete structure
- Stone facade
- Brick walls
- Steel structure
- Timber structure
- Hemp insulation



Stone facade - 500 years

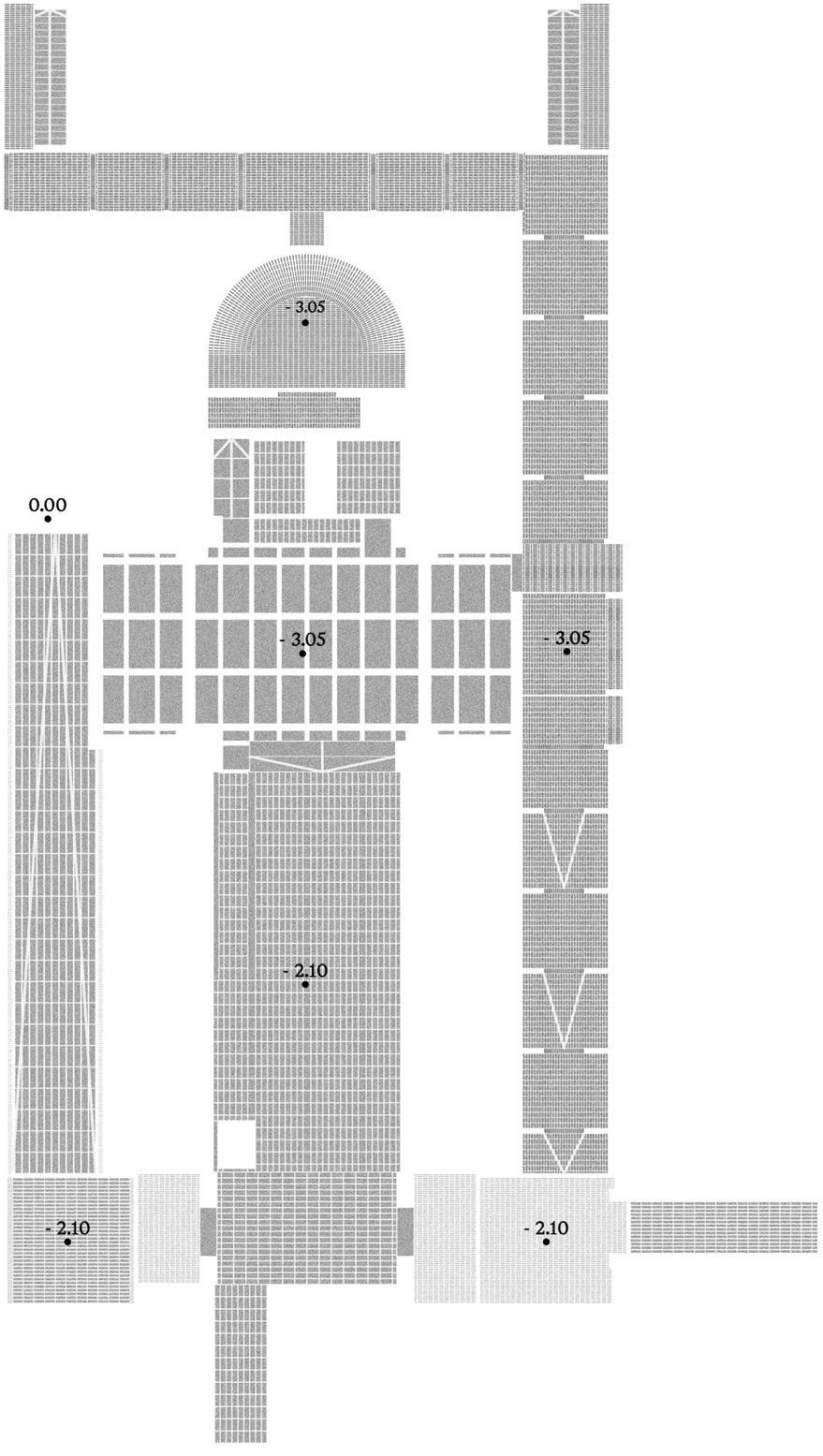
Hemp insulation - 100 yeas

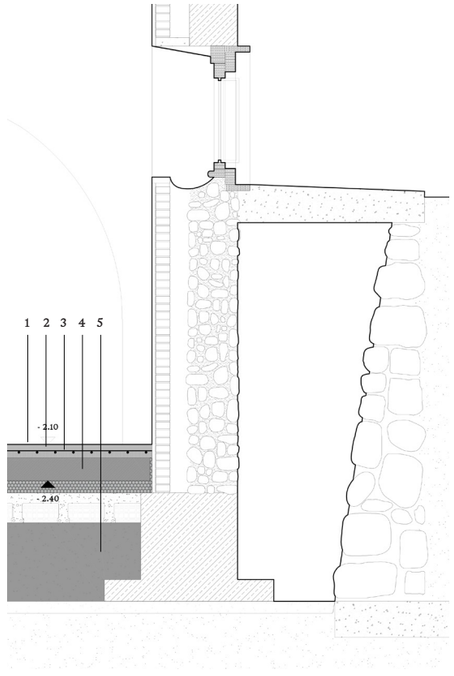
Brick walls - 80–100

Concrete structure - 80 years

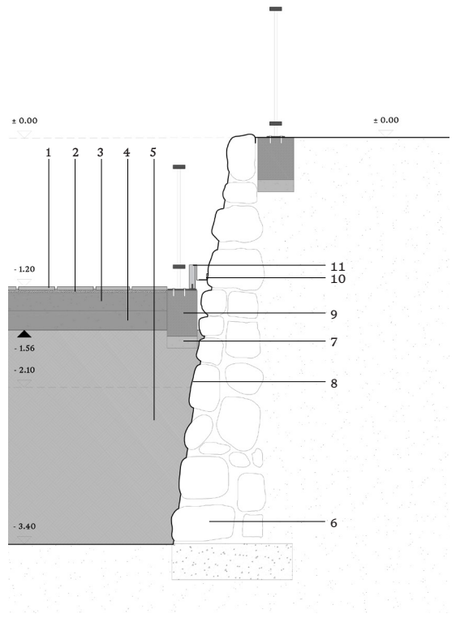
Steel stairs and doors - 70 years

Timber frame - 70 years





1 Paving tiles, sandstone and gravel, 20 mm
2 Underfloor heating, insulation layer and pipes 60 mm
3 Reinforced concrete underfloor layer to distribute the loads, 200 mm
4 Rigid insulation layer extruded polystyrene XPS, 100 mm
5 Fillng base course, mix of sand, gravel and cement to fill the crawl space and improve structural stability, 650 mm



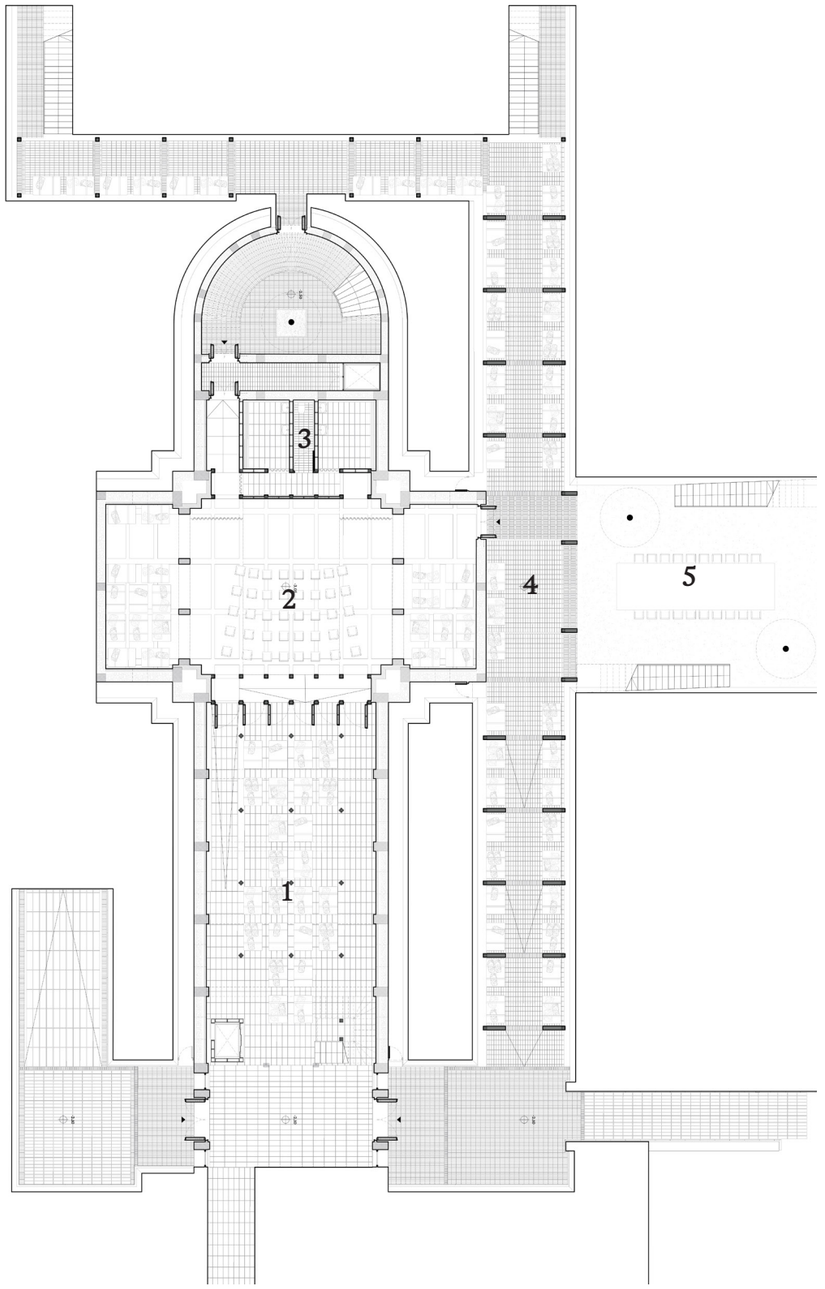
1 Sandstone, 30 mm paving stone tiles
2 0/5 crushed sand dynamic leveling course, 20 mm
3 0/32 mineral mixture, 150 mm ballast course
4 0/45 frost protection course, 190 mm
5 Building ground substructure, 5% inclination, min height 94 mm, max height 3040 mm
6 Existing retaining wall
7 0/45 sleeve foundation on ballast, 100 mm
8 Point foundation, reinforced concrete C25/30, 380×300 mm
9 Through-wall anchor steel connection from foundation to railing
10 Draining gutter, copper, 80 mm x 80 mm
11 Skirting, 50 mm skirting stone tile
12 Railing, steel, 1100 mm





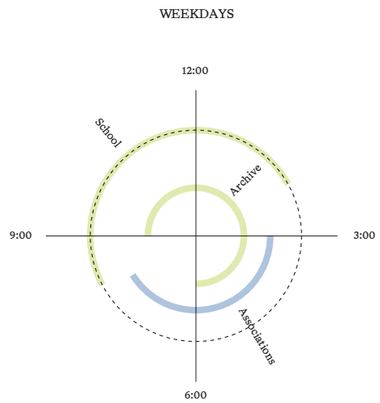


1 Crypt - depot and markets space (-2.10m)
2 Theatre and cinema space (-3.05m)
3 Changing room and services (-3.05m)
4 Permanent depot (-3.05m)
5 Garden (-3.05m)





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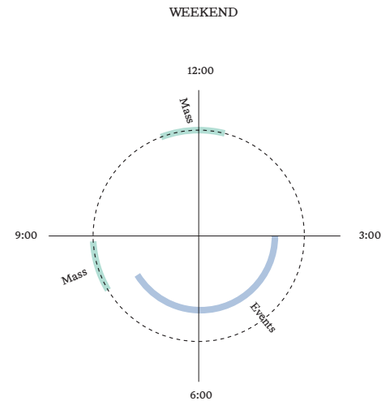
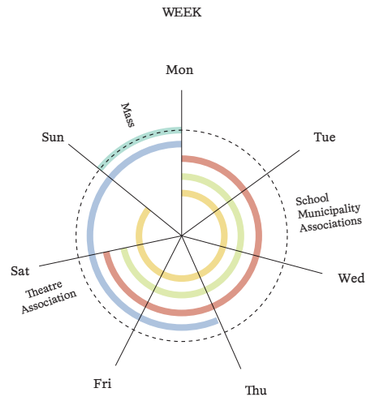
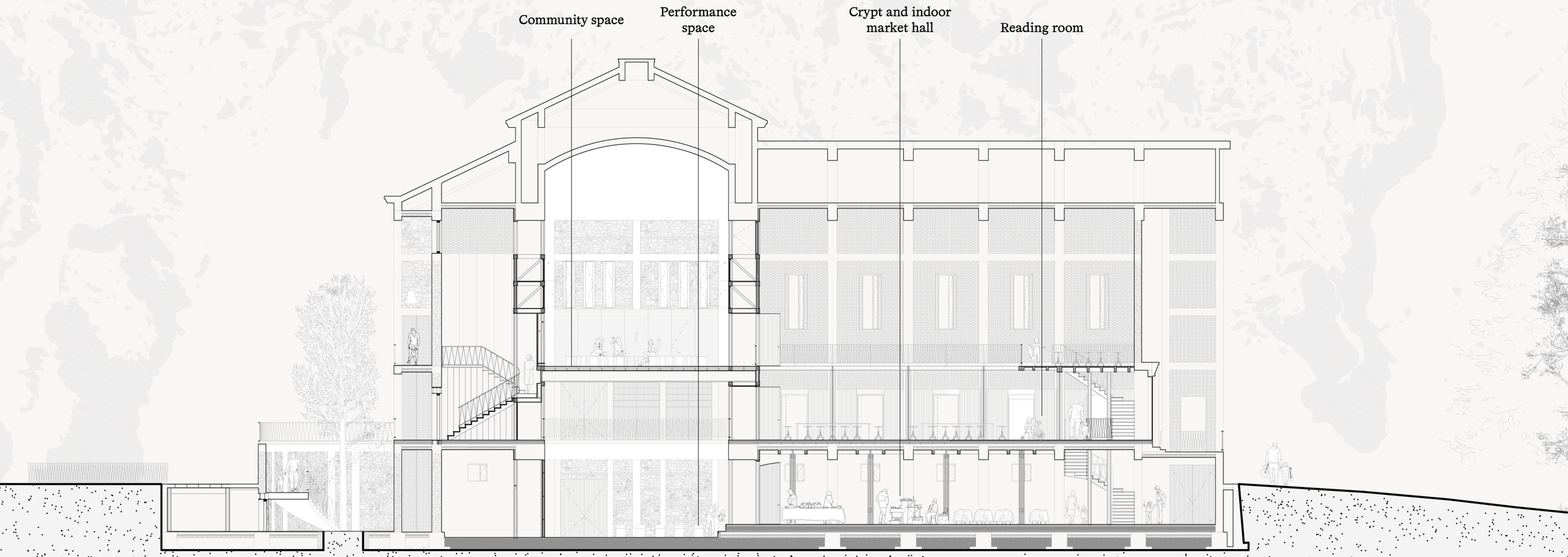
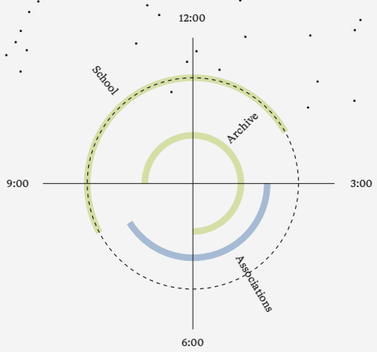
12:00
School
Archive
9:00
3:00
Associations
6:00


WEEKEND
12:00
Mass
9:00
3:00
Mass
Events
6:00

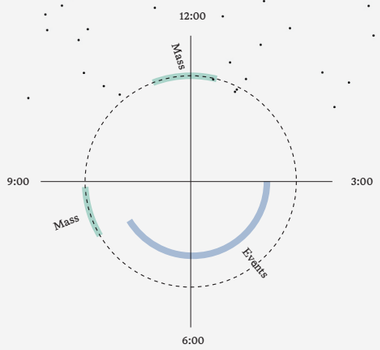

WEEK
Mon
Mass
Sun
Tue
School
Municipality
Associations
Sat
Wed
Theatre
Association
Fri
Thu



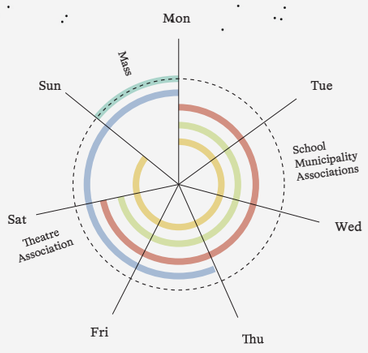
WEEKDAYS



WEEKEND

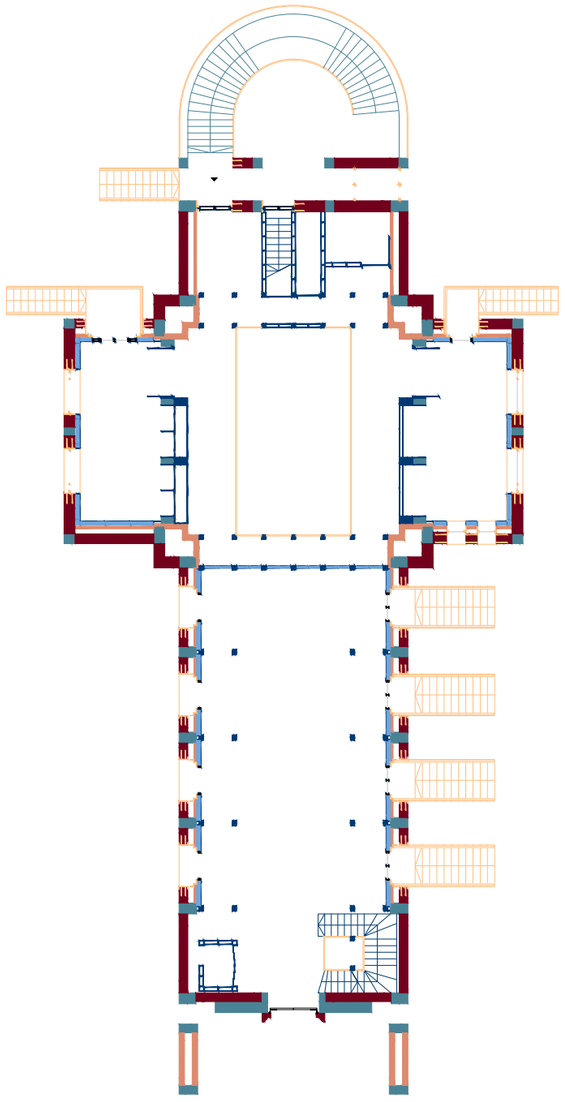


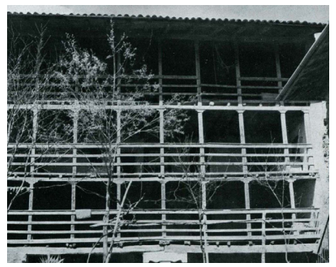
WEEK



Timber structure

Hemp insulation







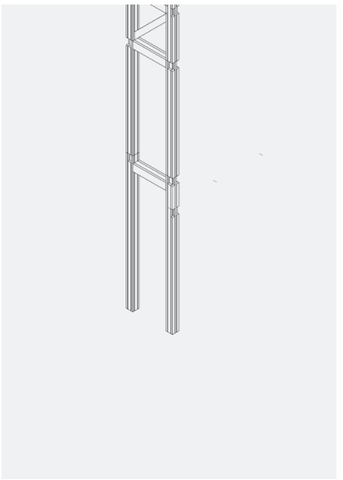


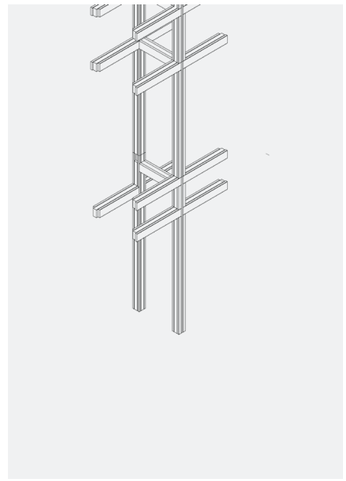




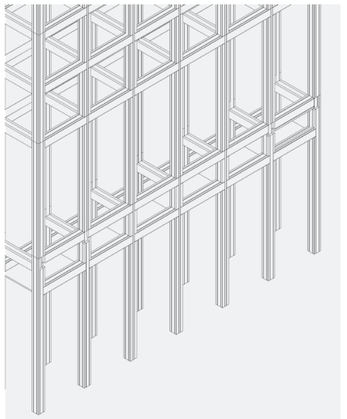


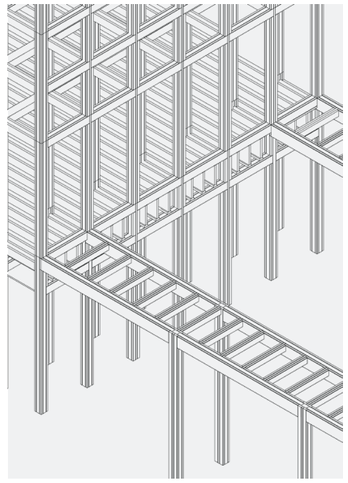


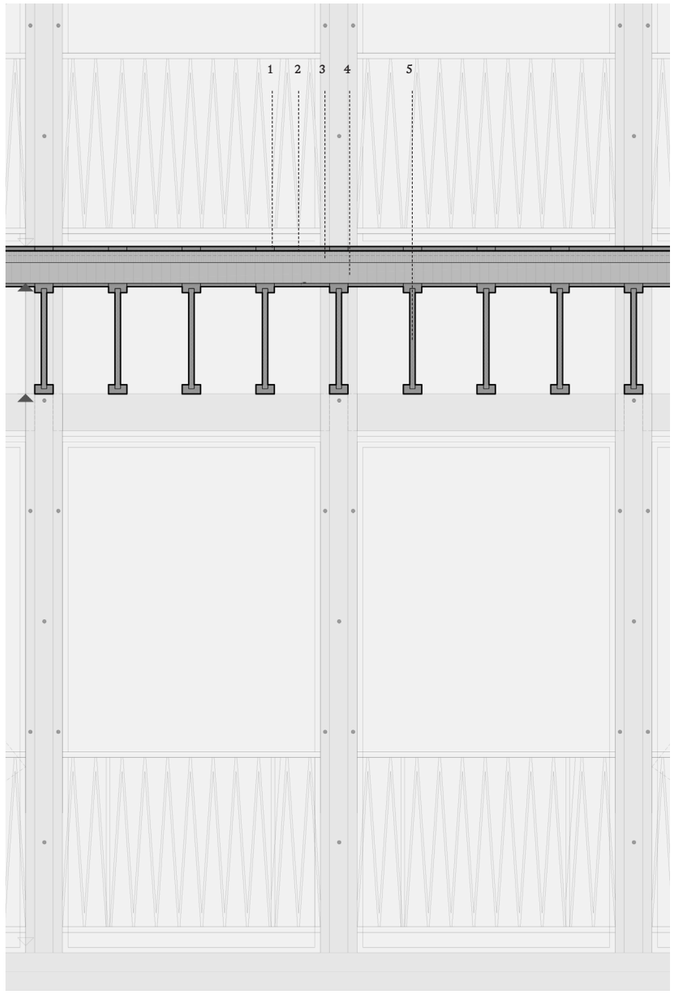


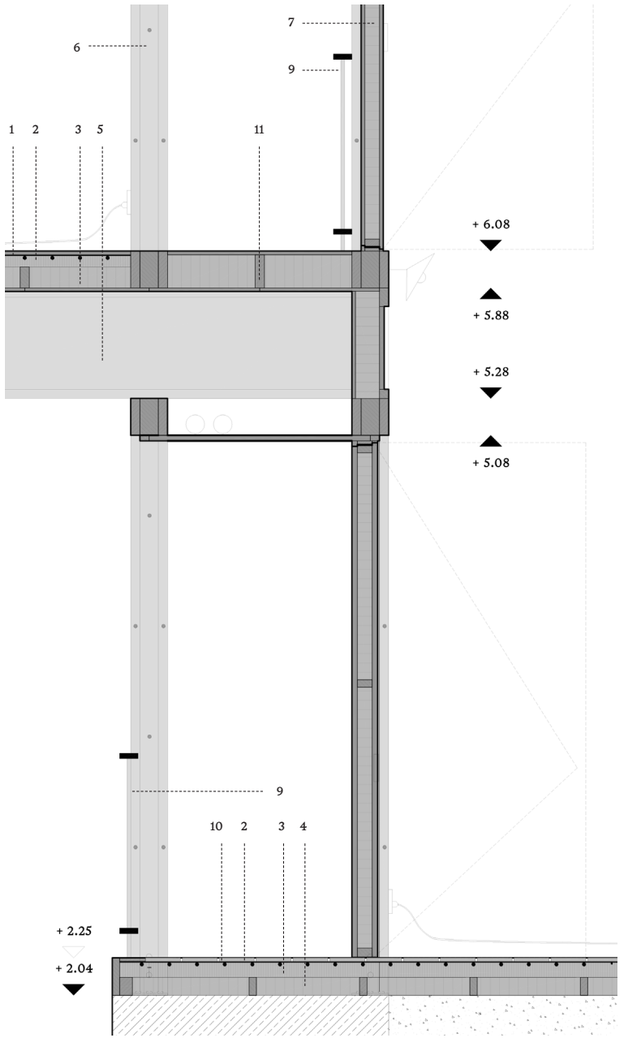


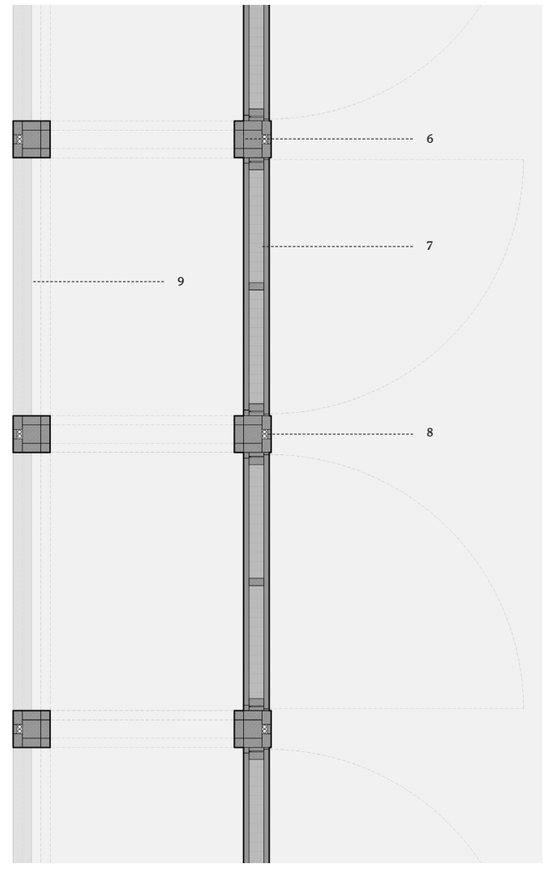










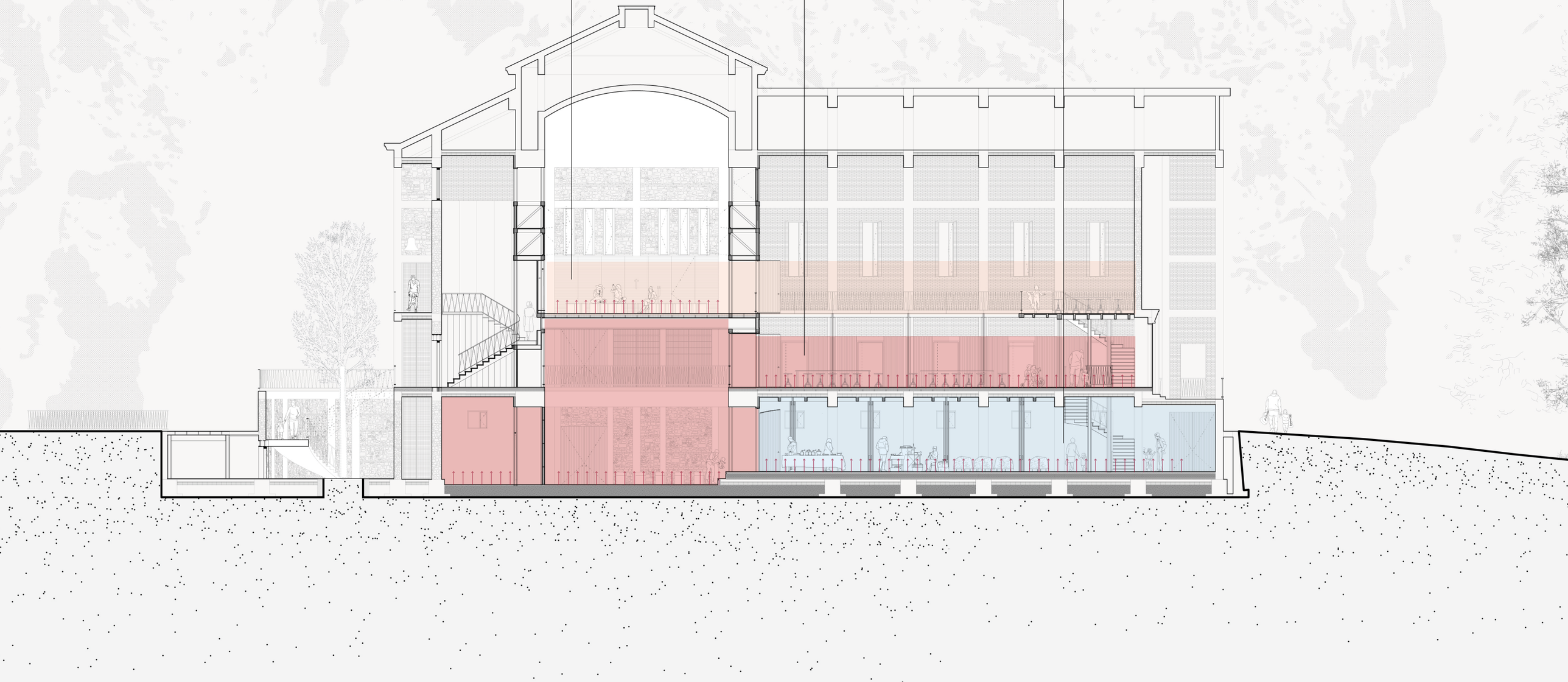


1 Hardwood flooring, 20 mm
2 Underfloor heating system, steel pipes and thermal insulation, 60 mm
3 Sound insulation, hemp, 110 mm
4 Plywood board for ceiling finish, 30 mm
5 I-Joist beam, LVL flanges 50×100 mm, OSB core 30×550 mm
6 Timber column 200×200 mm, timber sections 100×100 mm, 50×100 mm, 50×50 mm
7 Sound insulating wooden door, 140×2700 mm
8 Cavity for electric services, 40×50 mm
9 Steel railing, 107 mm
10 Stone tiles floor finish 60 mm
11 Floor timber supports 50×100 mm

Tapestry

Insulation panels

No insulation

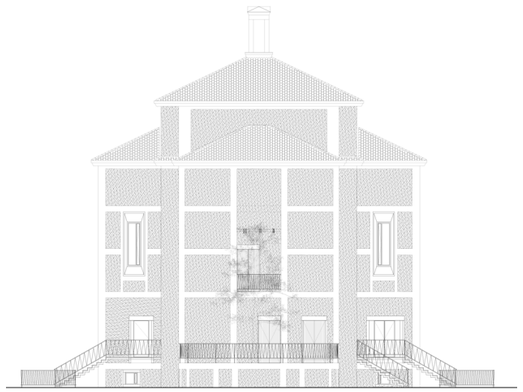














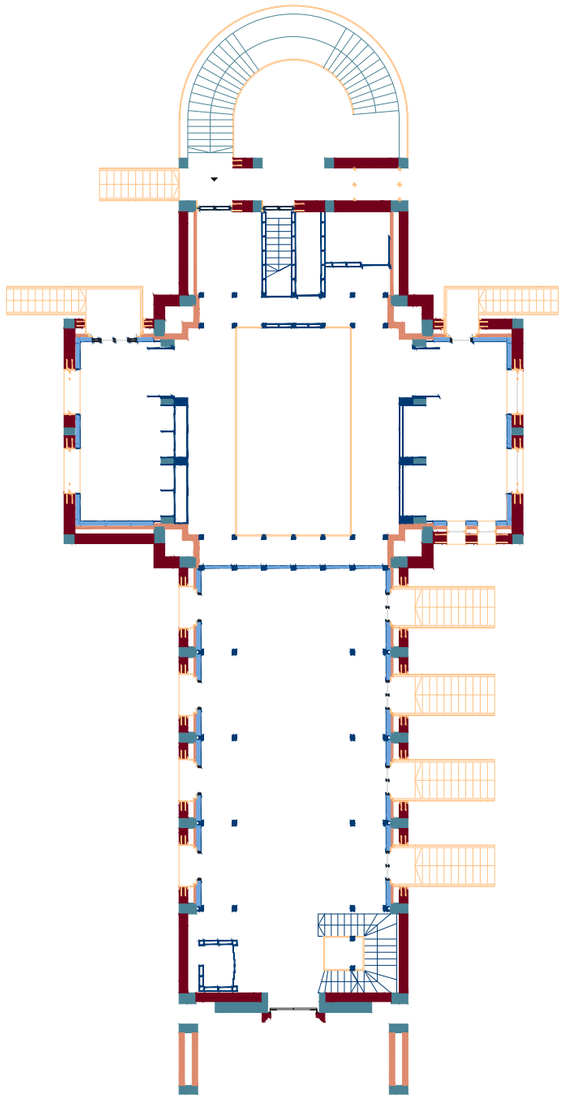




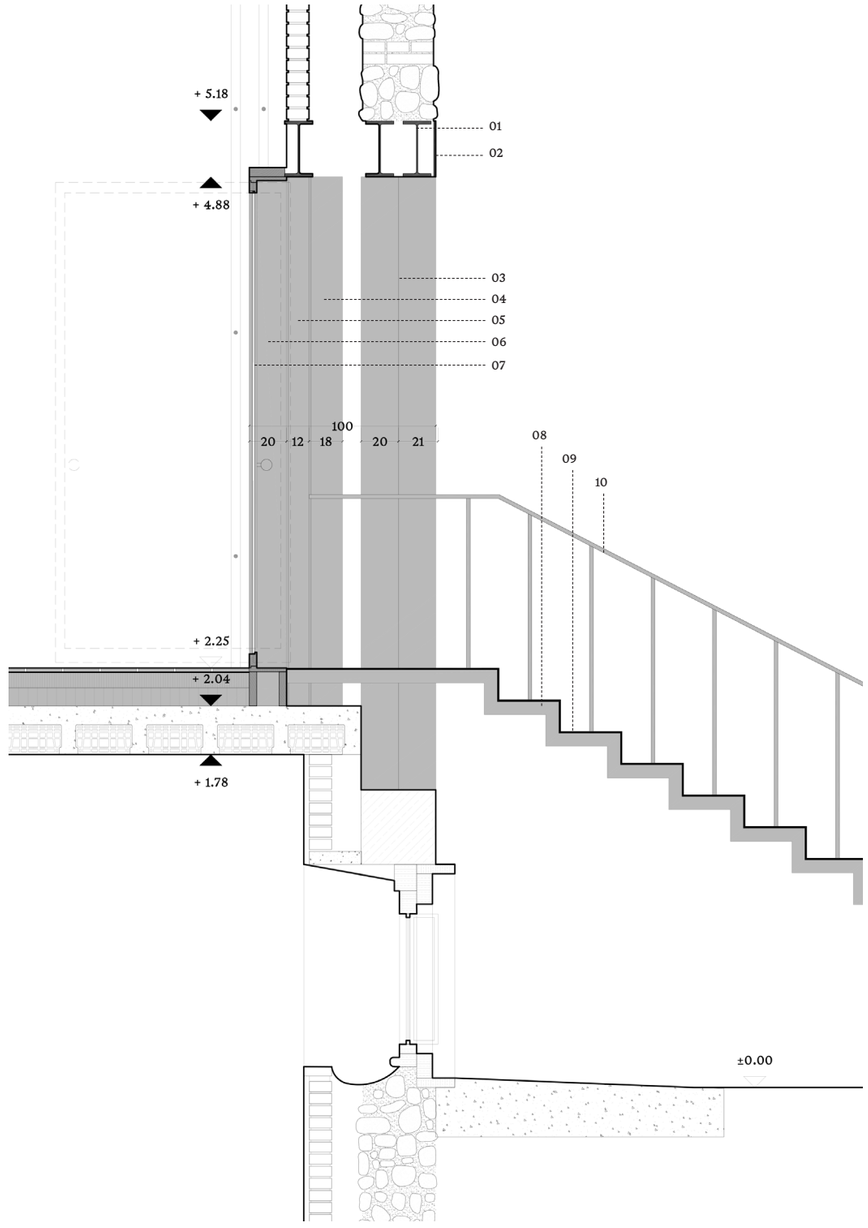


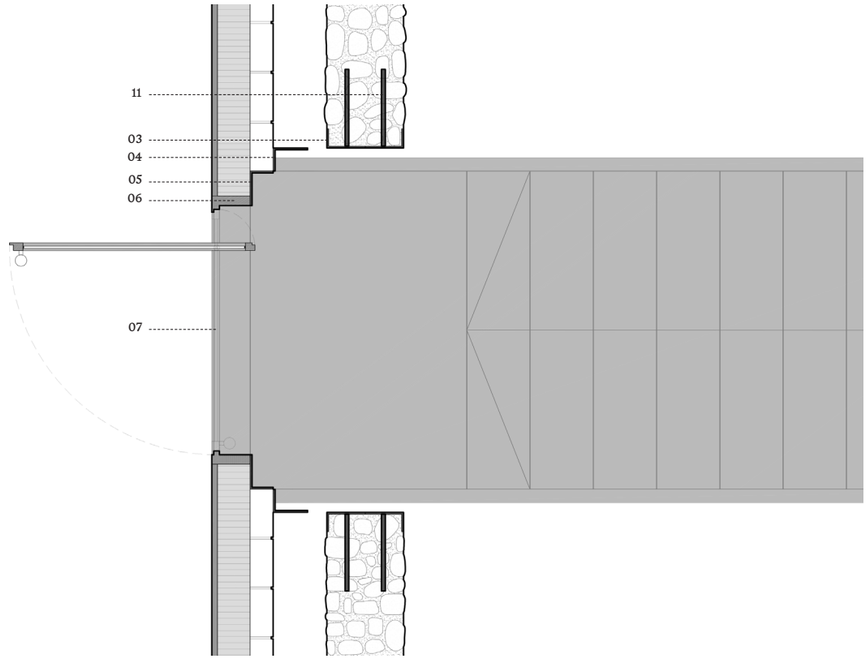


Steel structure









1 IPE300 beam
2 Steel plate 5 mm
3 Steel column, two L profiles 200×200 mm
4 Steel column, L profile 180 mm
5 Steel column, L profile 120 mm
6 Timber door frame, 200×50 mm
7 Pivot glass door, 1200×2800 mm
8 Steel beam, rectangular hollow section 70×30 mm
9 Folded steel plate, 5 mm
10 Railing, 1000 mm
11 Stabilising steel rods, 20 mm

