in Madrid's Shadows

revitalising cultural routines through architecture

Jiri Meijers
Technical University of Delft
Architectural Design Crossovers

Joran Kuijper
Freek Speksnijder
Agnes van der Meij

Fascination



Ivanova (2019)

Routes



Rituals / Routines





Neighbourhoods



Problem Statement



EL PAÍS

Spain

MADRID · BARCELONA · LATEST NEWS

ENVIRONMENT

“The average temperature in Madrid in summer will go from 29°C to 36°C”

Julio Díaz, who studies link between environment and mortality, discusses effects of global warming

ANTÍA GARCÍA
Madrid - JUL 28, 2017 - 13:14 CEST

The temperature rise on our planet is already a reality. In recent years there has not been a single summer in which the term “heatwave” was not used in the news, and we should get used to it, too, because experts feel that these weather events will be increasingly frequent and intense. Julio Díaz, head of the Epidemiology and Biostatistics department at the Carlos III Health Institute’s National School of Health, has spent several years analyzing heatwaves and their effects on the population.

NEWSLETTER

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APÚNTATE

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EL PAÍS

Society

YOUTUBERS · LATEST NEWS

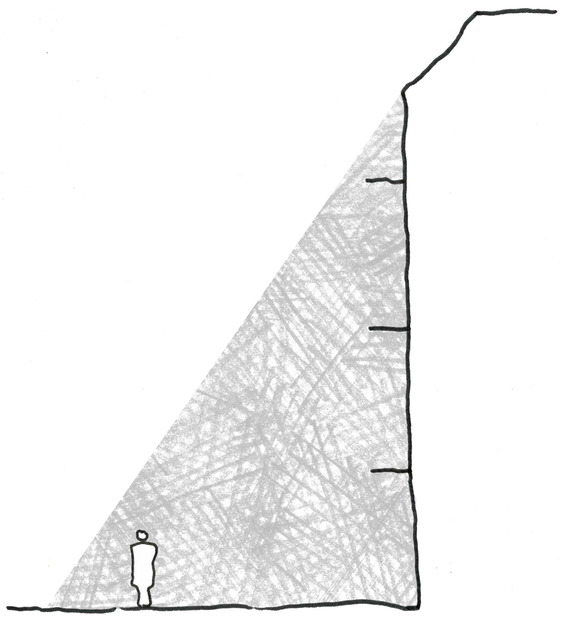
GENTRIFICATION >

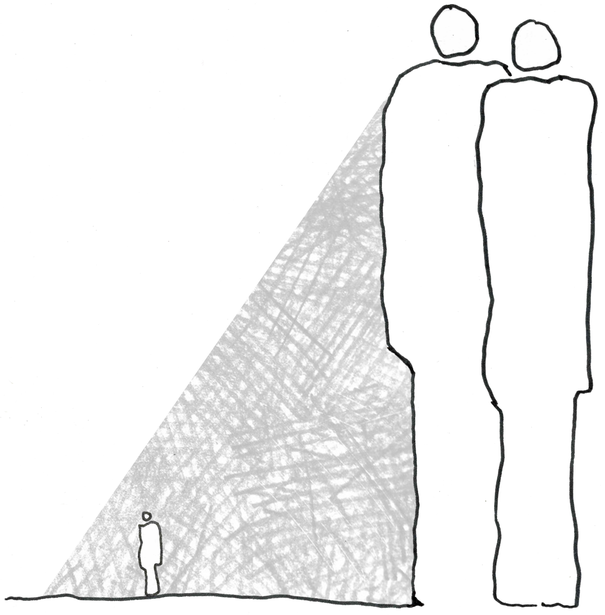
How price hikes in Lavapiés are changing one of Madrid’s most popular ‘barrios’

The neighborhood is undergoing a gentifrication process, forcing out many Asian and African immigrants who have made their home here

The Muslim faithful pray at the doors of Baitul Mukarram mosque in Lavapiés, Madrid.
DAVID EXPÓSITO

Title Explanation





Site Location



Research Diagram

fascination

cultural routines

daily rituals

problem statement

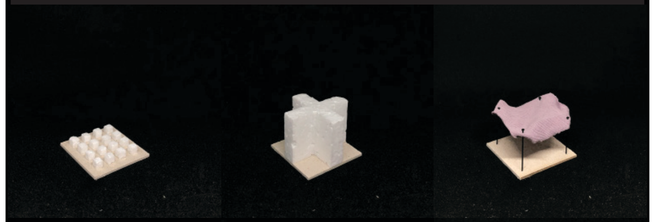
globilization & global warming

gentrification

research - architectures role

embed Lavapies' inhabitants in Madrids social networks

revitalise Madrilenos cultural practices



Research by Design



creating spaces comfortable enough to make people feel like they belong

universal language of sensational experience

Palacio de la Duquesa de Sueca

Site Analysis



Heat Map (Strava, 2024)

Metro Station

5 Minute Walk

10 Minute Walk

Rastro Market

Site Visit






Roofscape
Google Maps (2024)


Facade
Google Maps (2024)


Enclosed in Building Block
Google Maps (2024)


Three Courtyards
Google Maps (2024)

Site Pictures









Ayuntamiento de Madrid (n.d.)

Site Pictures









Ayuntamiento de Madrid (n.d.)

Site Pictures



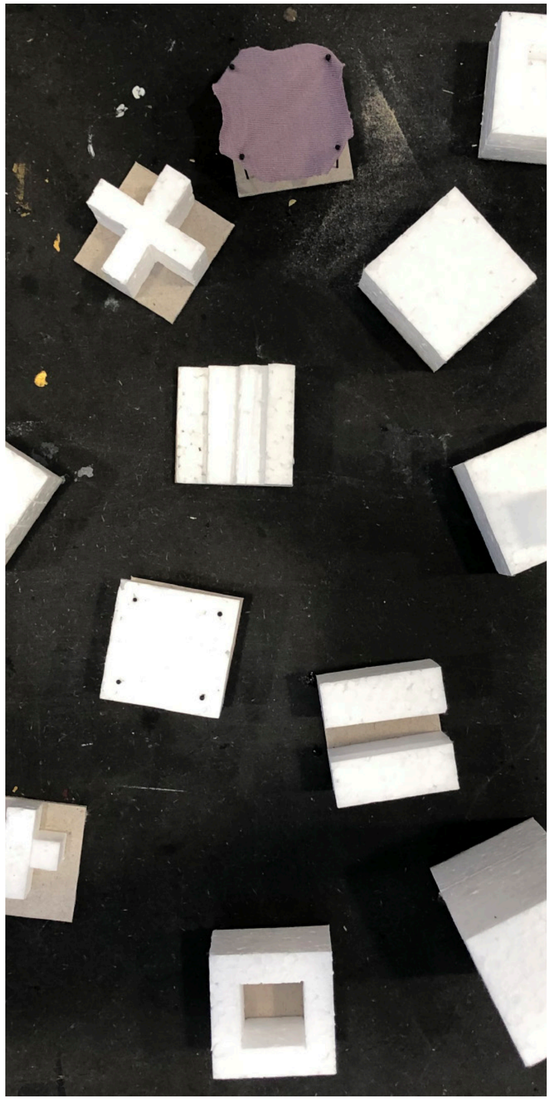
Ayuntamiento de Madrid (n.d.)

Approach

Approach



Fascination



Research



Site

Program

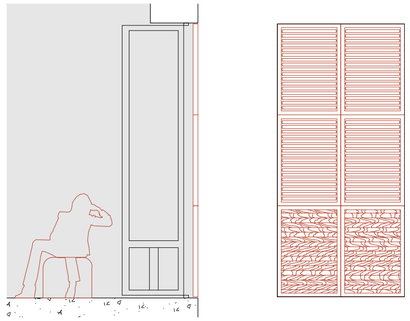


SESC Pompéia - São Paulo
Lina Bo Bardi (1987)

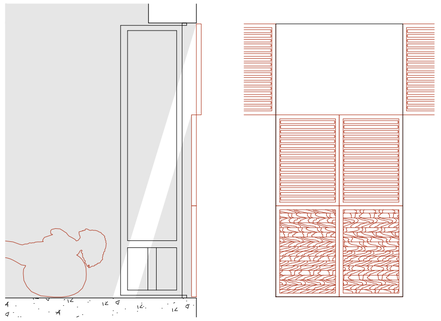
Program



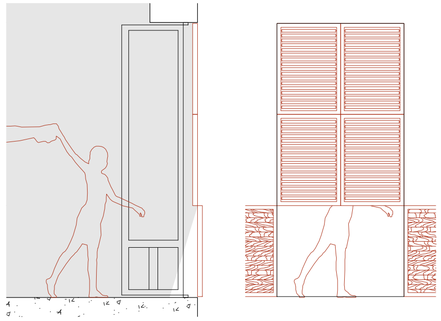
READING
CONGRESS



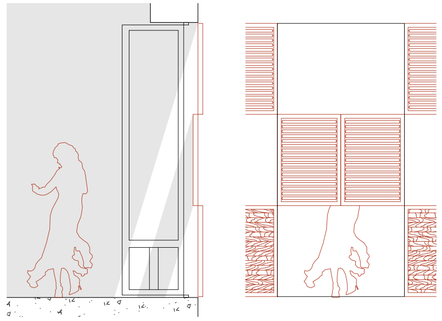
NOOKS
MUSIC PRACTICE



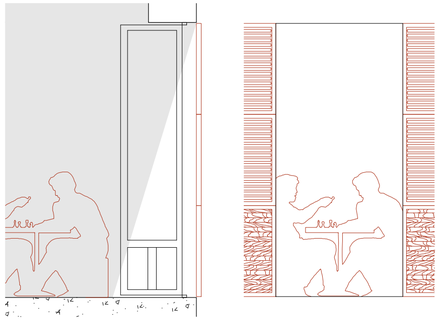
LOW INTENSITY SPORTS
SELF-STUDY



PERFORMANCES
PLAYS

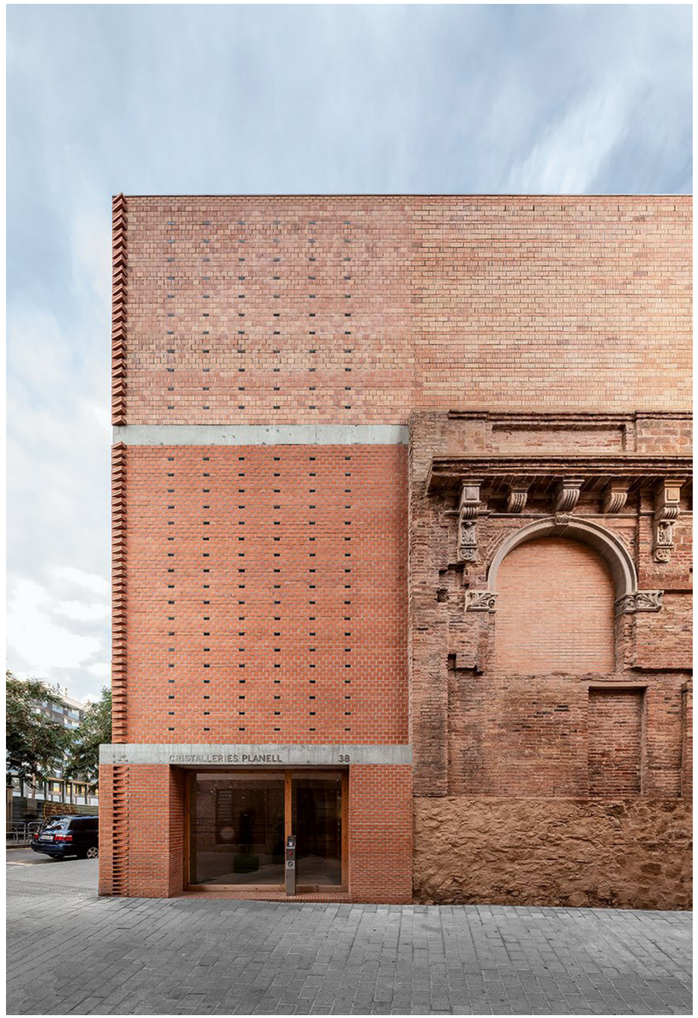


COOKING
DANCE



GAMES
CAFE

Heritage Approach



Civic Centre Cristallieres by H ARQUITECTES
photo by El Croquis (2020)



Castelvecchio by Carlos Scarpa
photo by P. Guthrie (2019)



Existing Material Palette



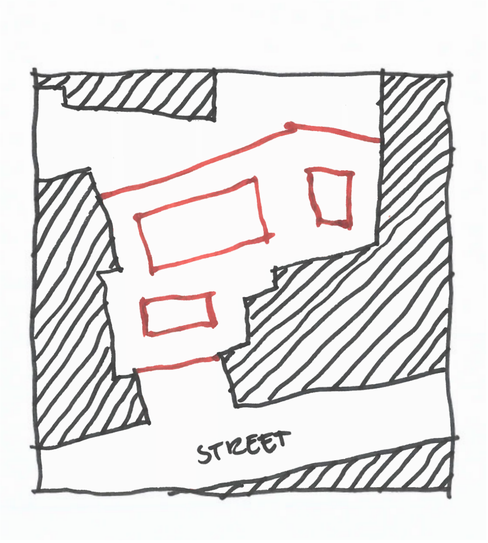
Introduced Material Palette



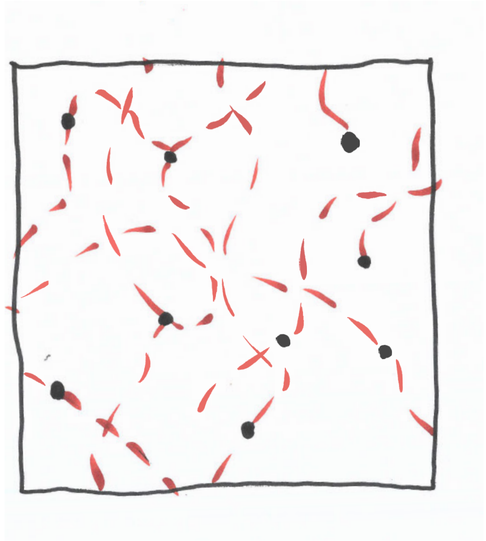


Interventions

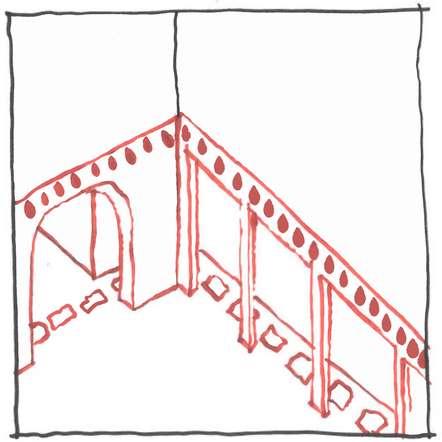
Interventions



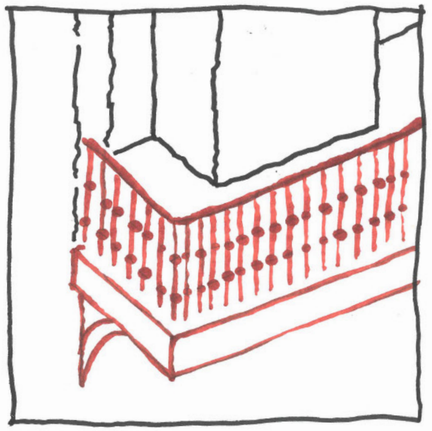
Facades



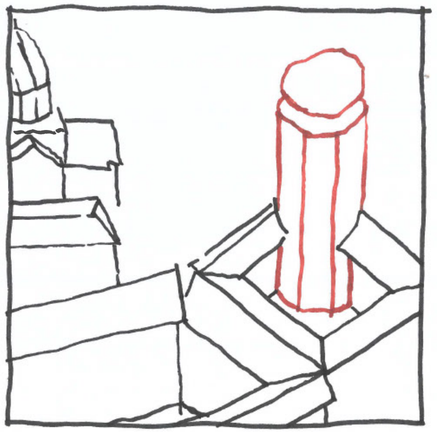
Routes in Plan



Colonnade



Bigger Balconies



Climate Tower

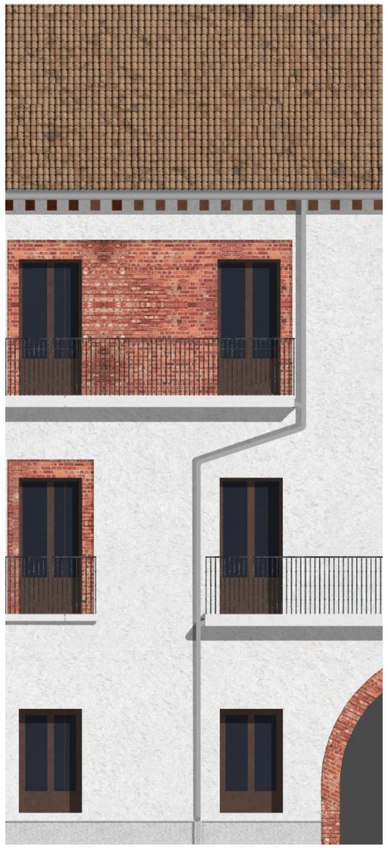
Facades



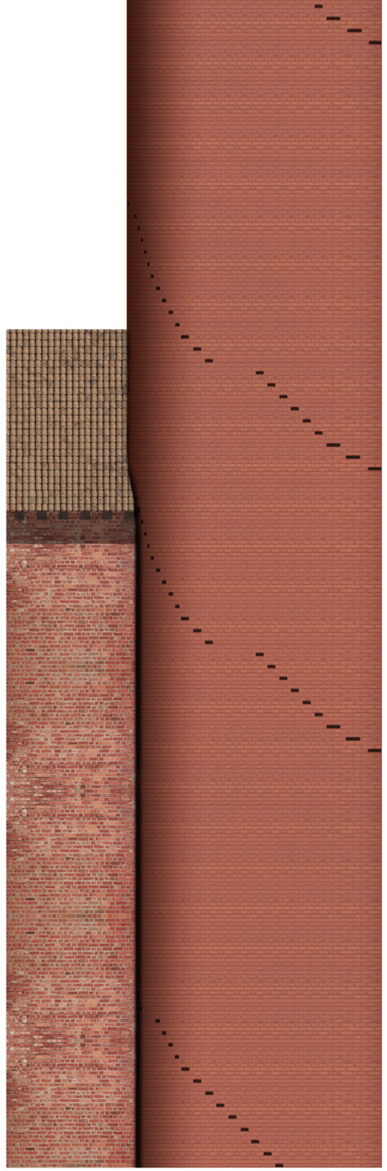
Front Facade



First Courtyard



Second Courtyard



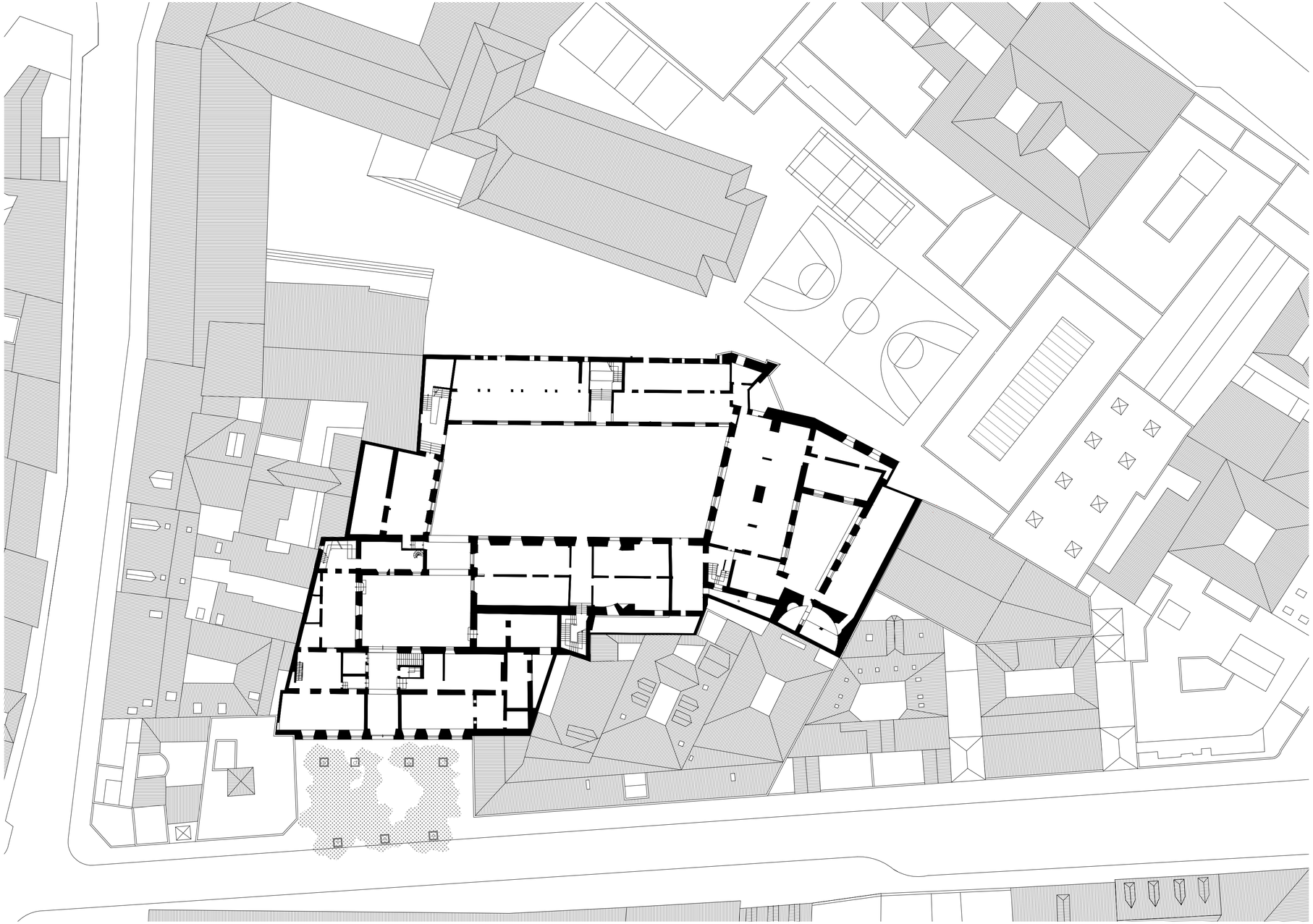
Third Courtyard



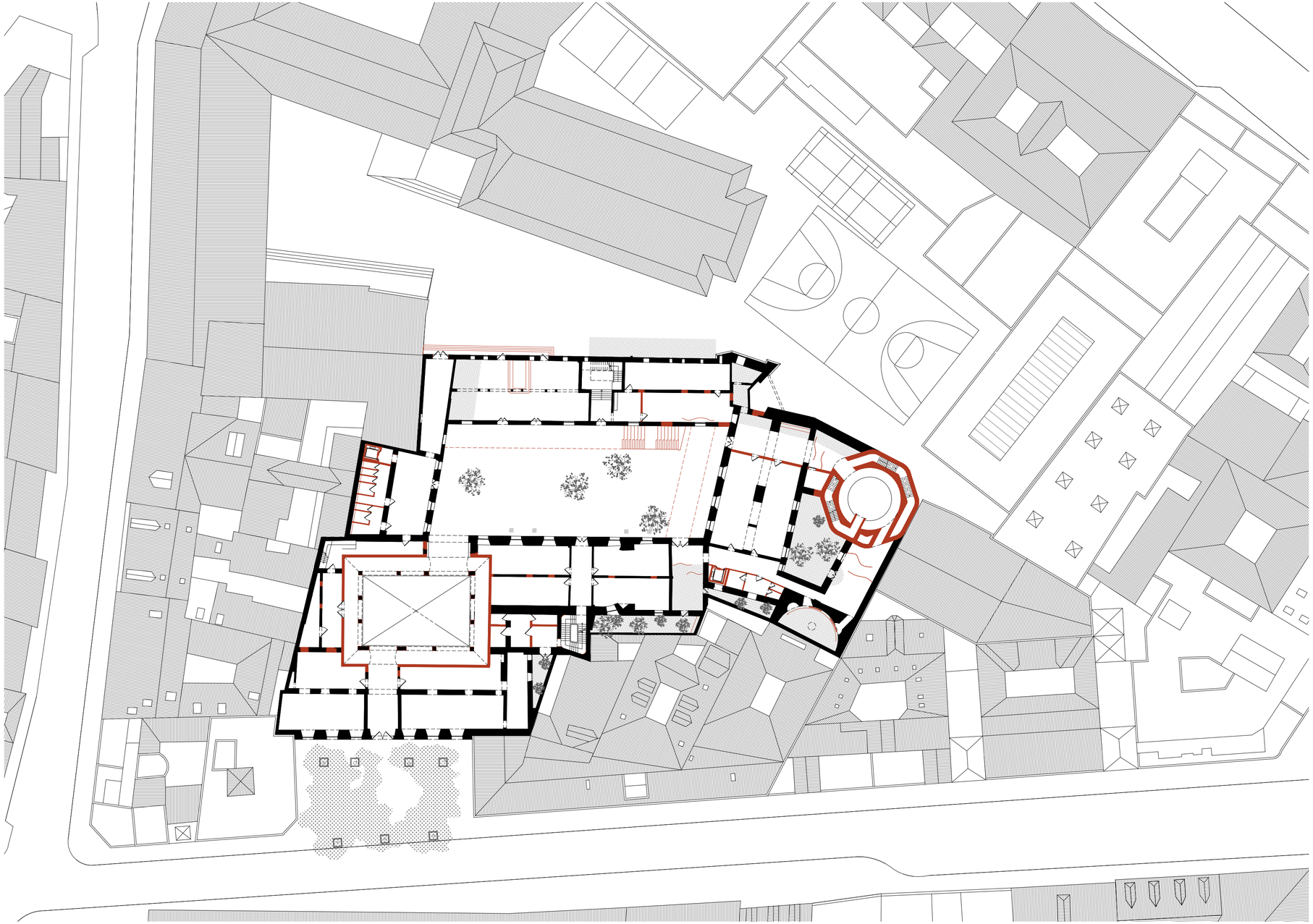
Northern Facade

Floor Plans

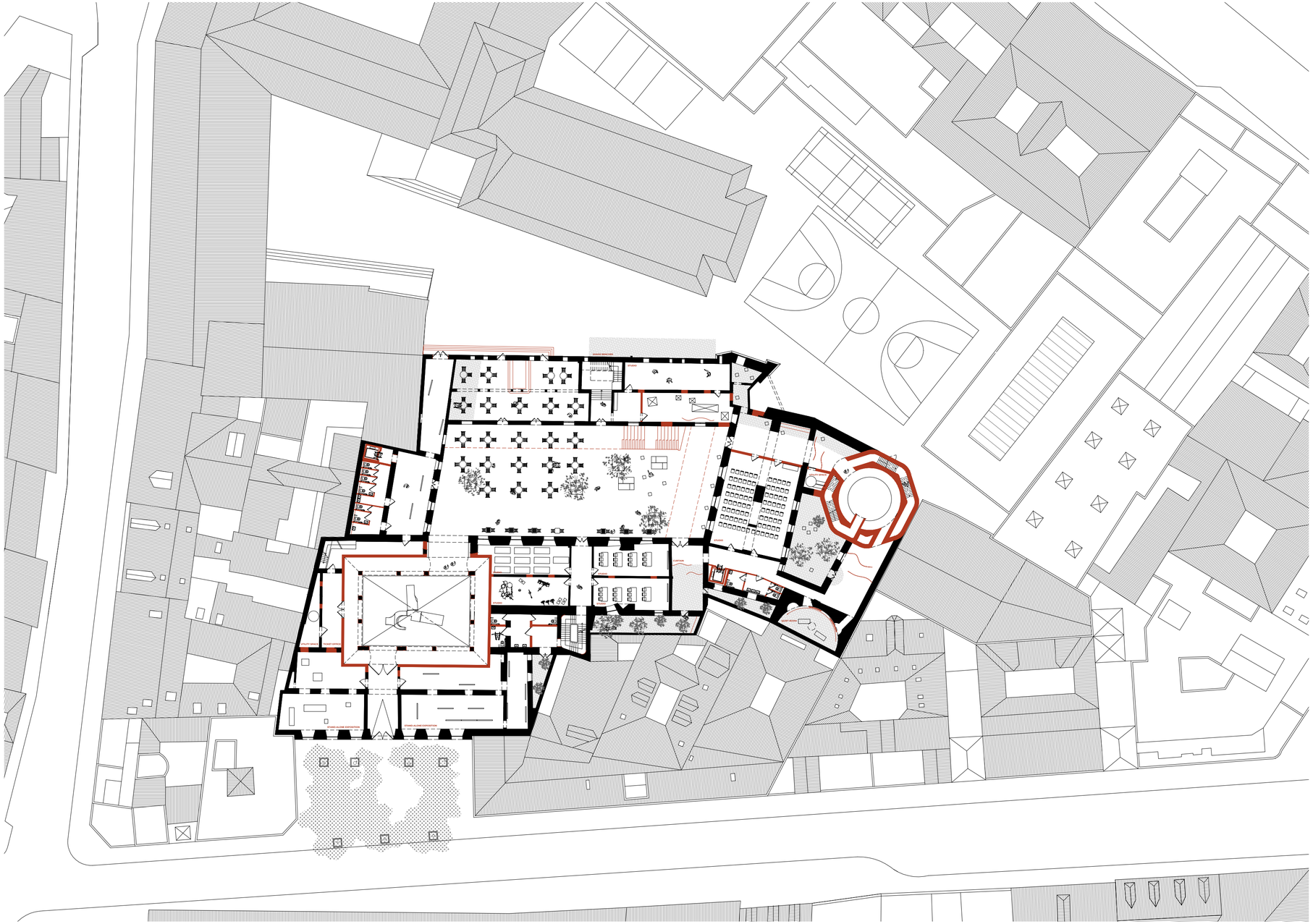
Ground Floor - Existing



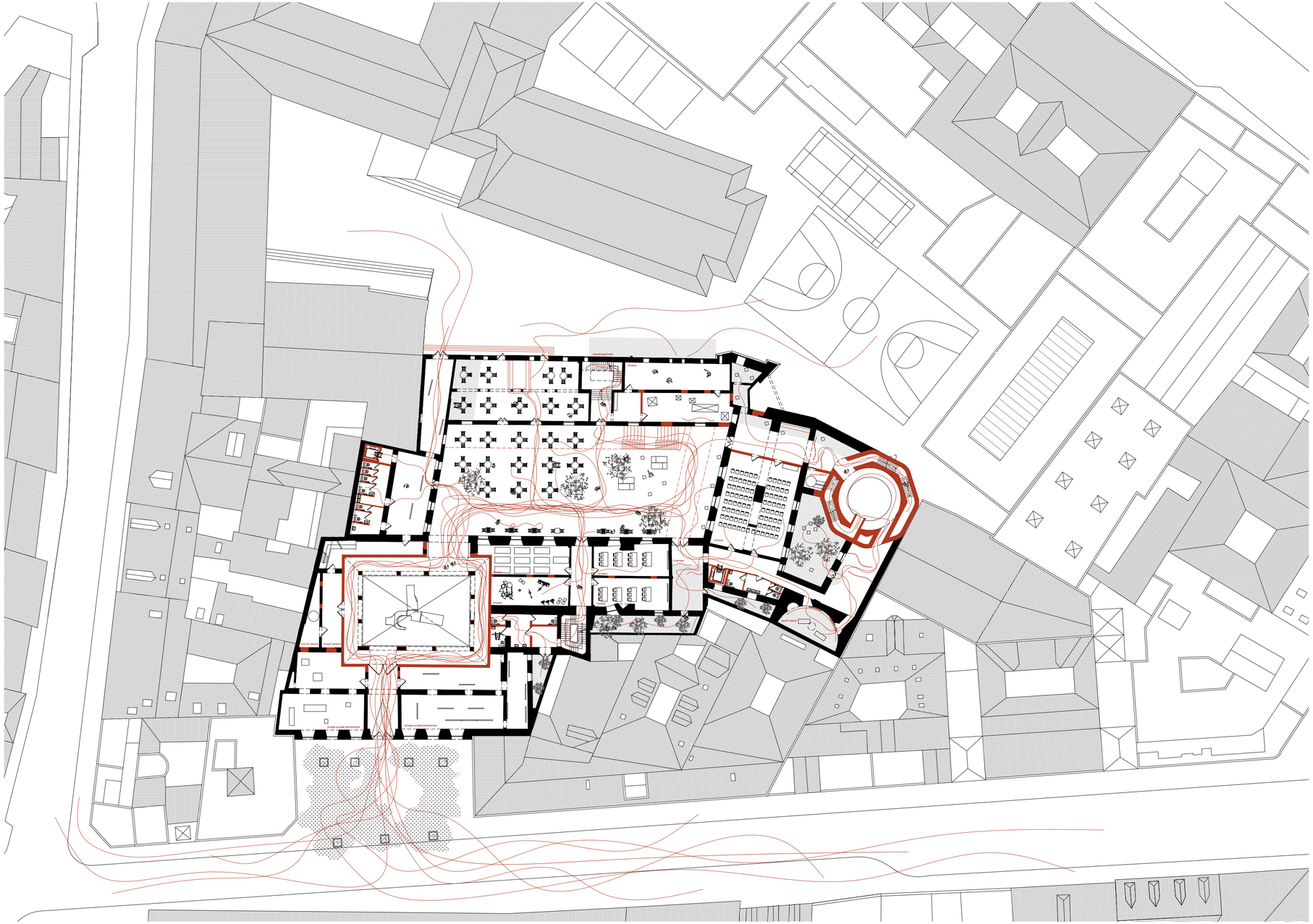
Ground Floor - New



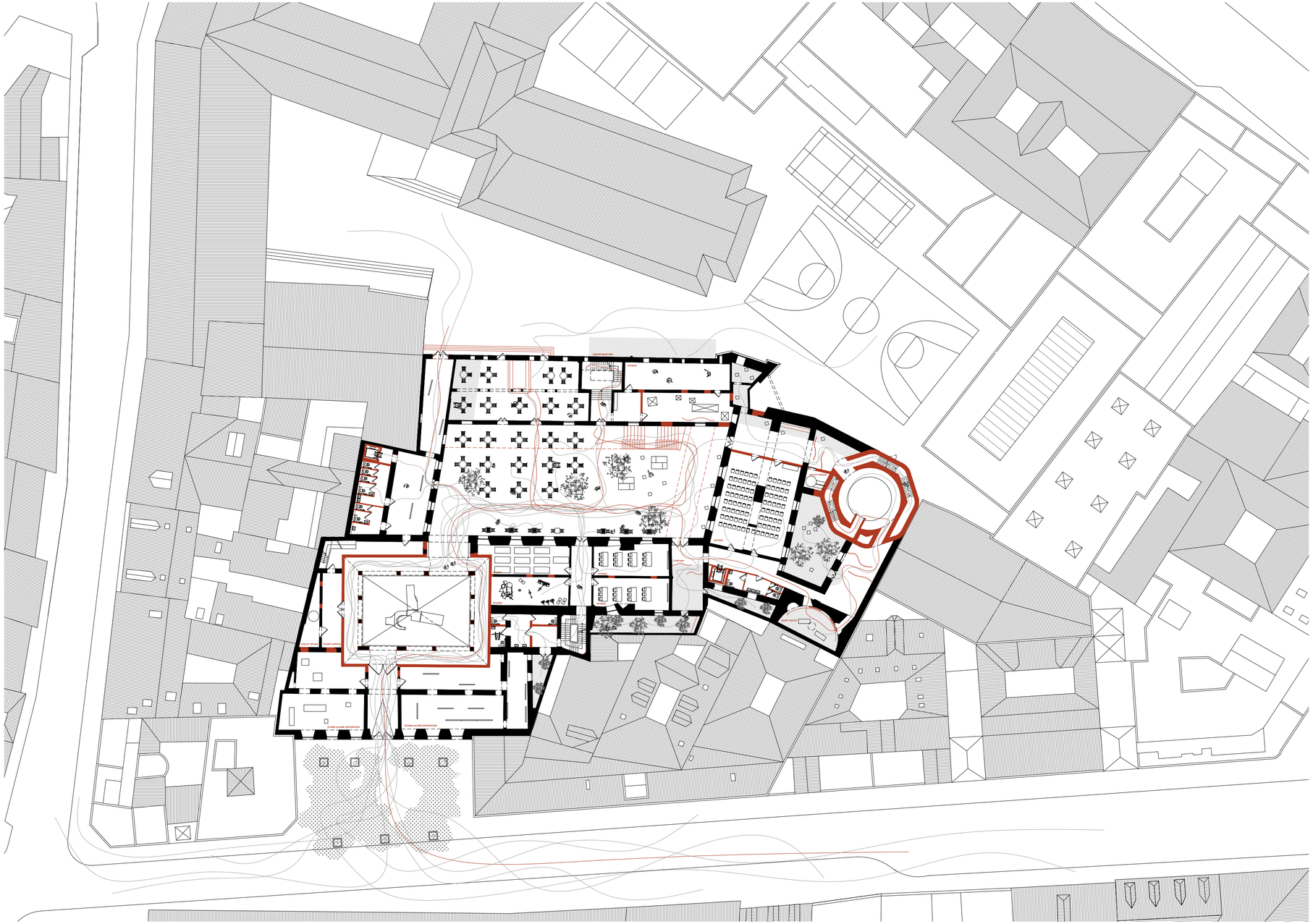
Ground Floor - New



Ground Floor - Routes



Ground Floor - Routes

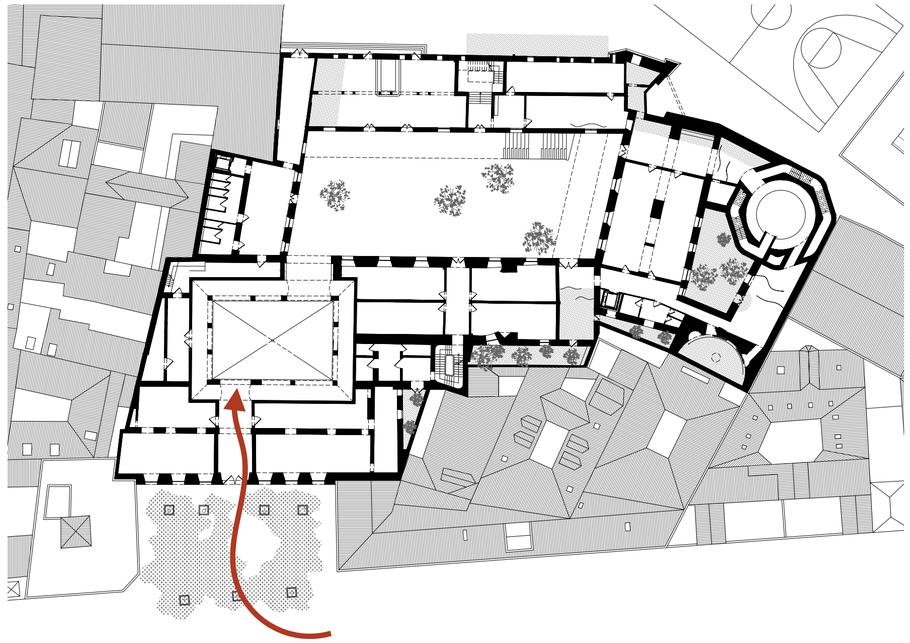


Experience

Route 1

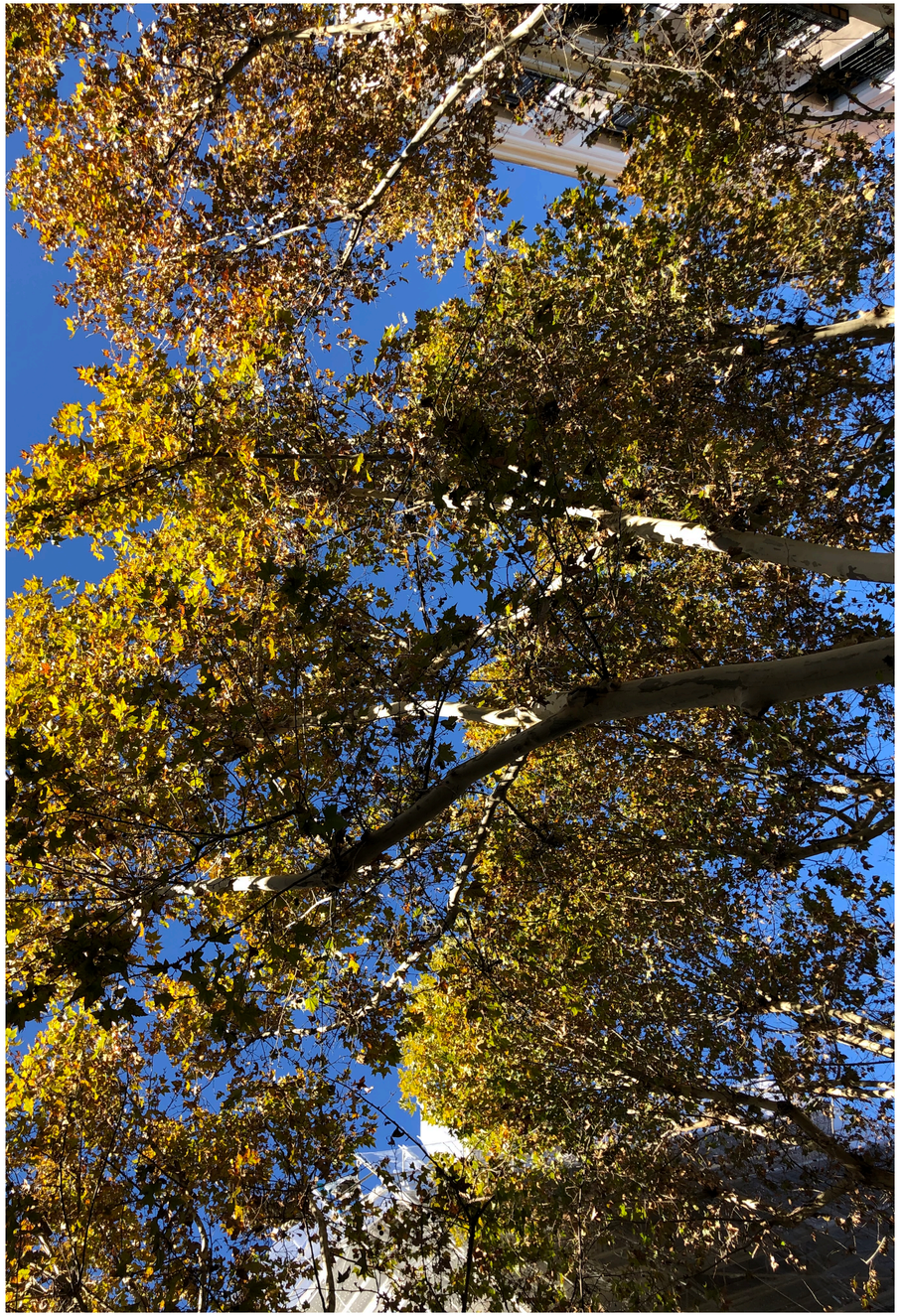



Route 1



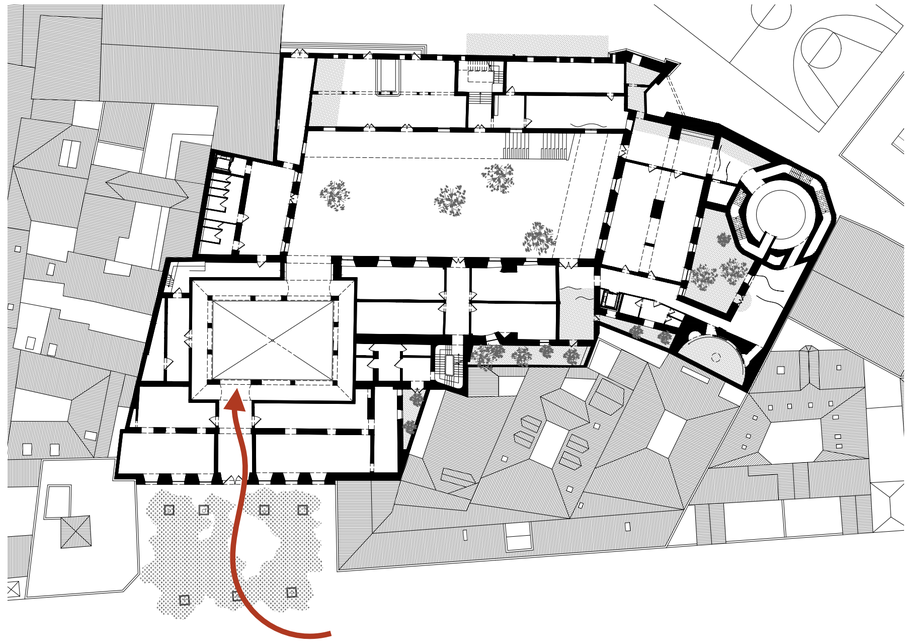



DISCO



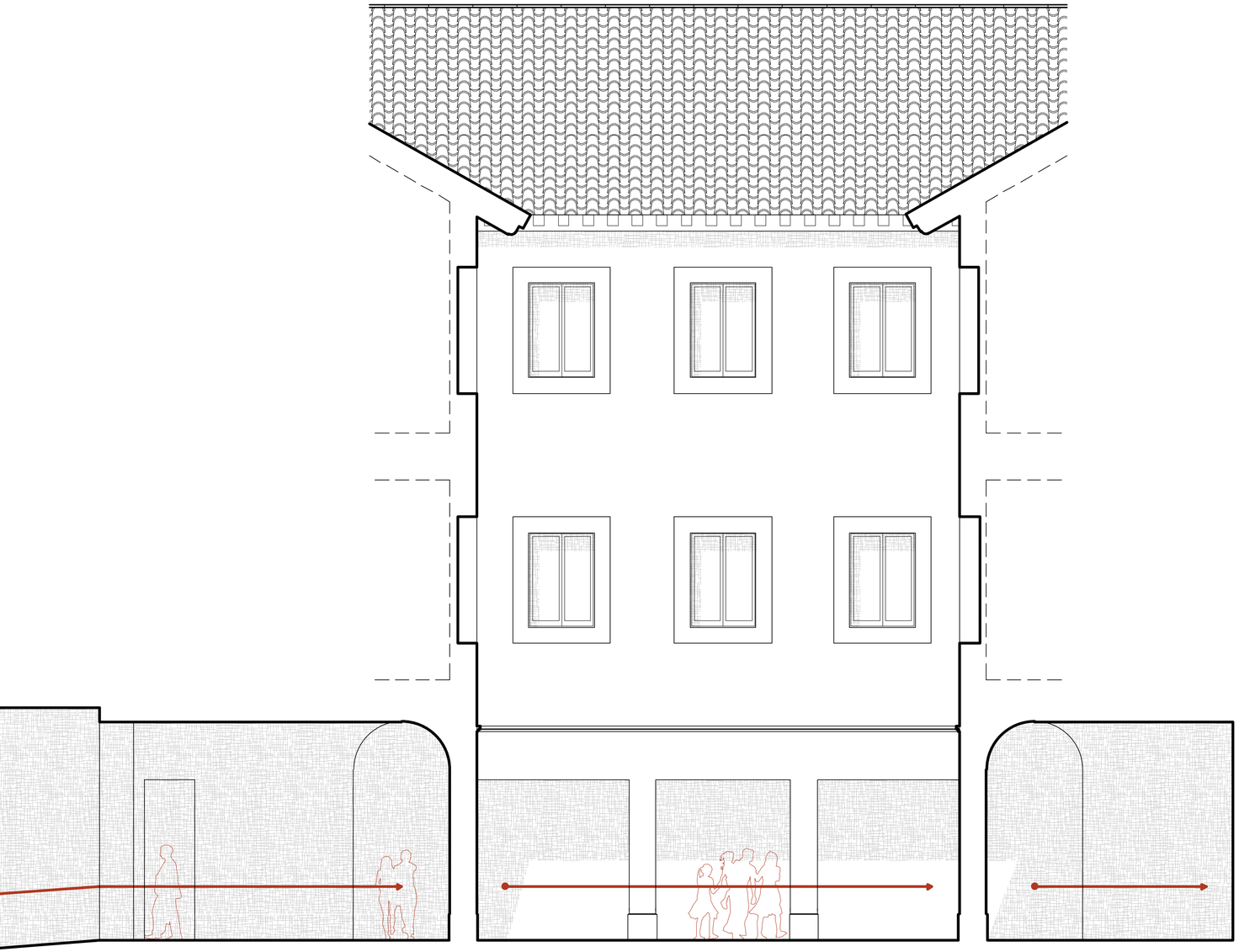


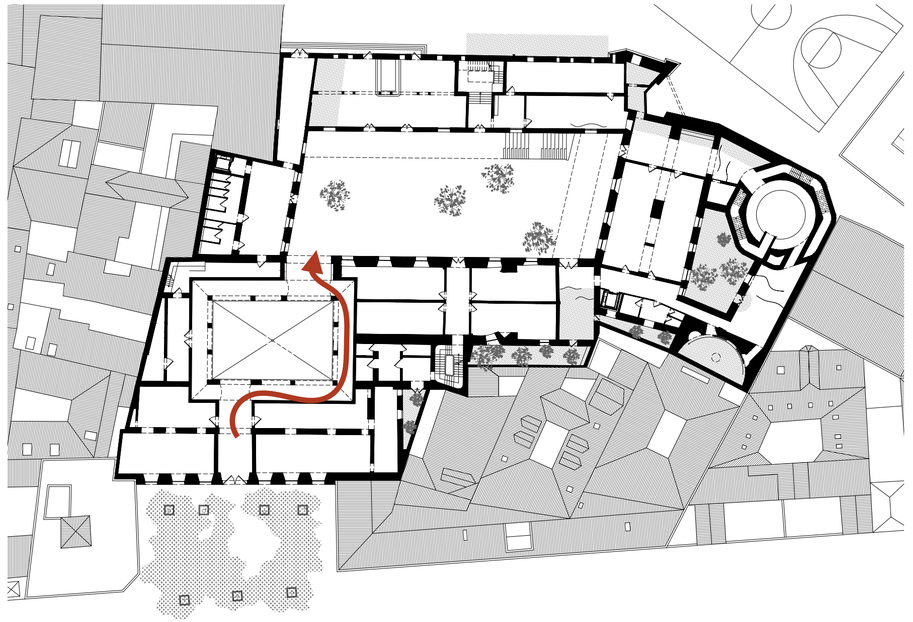

Route 1





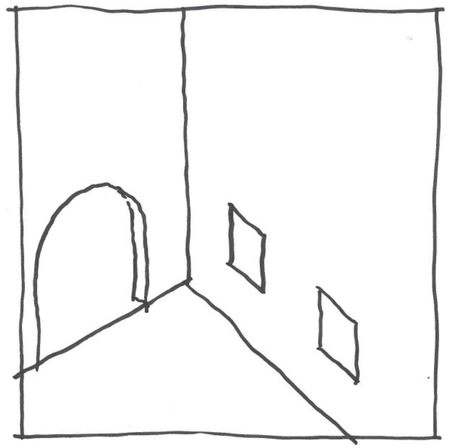
Route 1







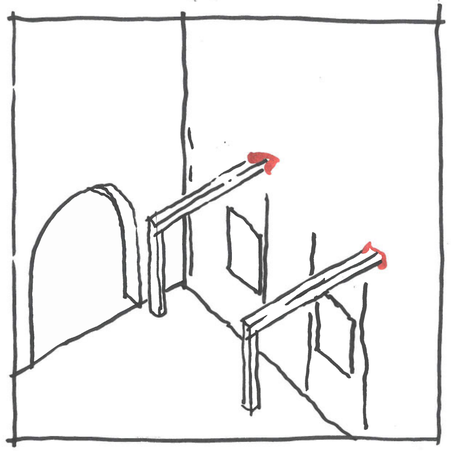
Collonade Building Sequence



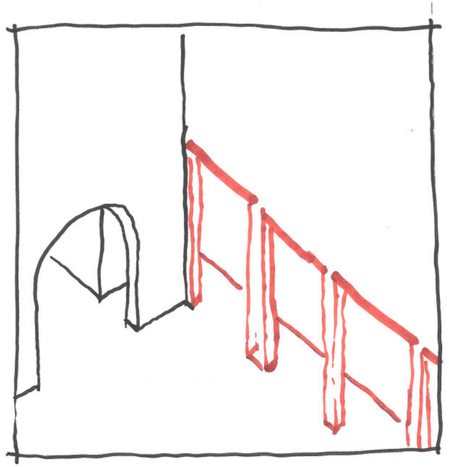
Existing Situation



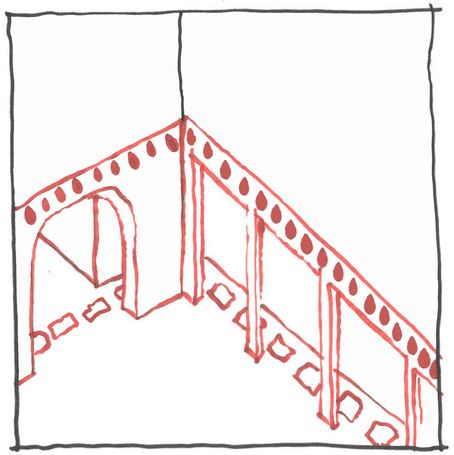
Vertical Slits



Propping the Facade



Placing Lintels

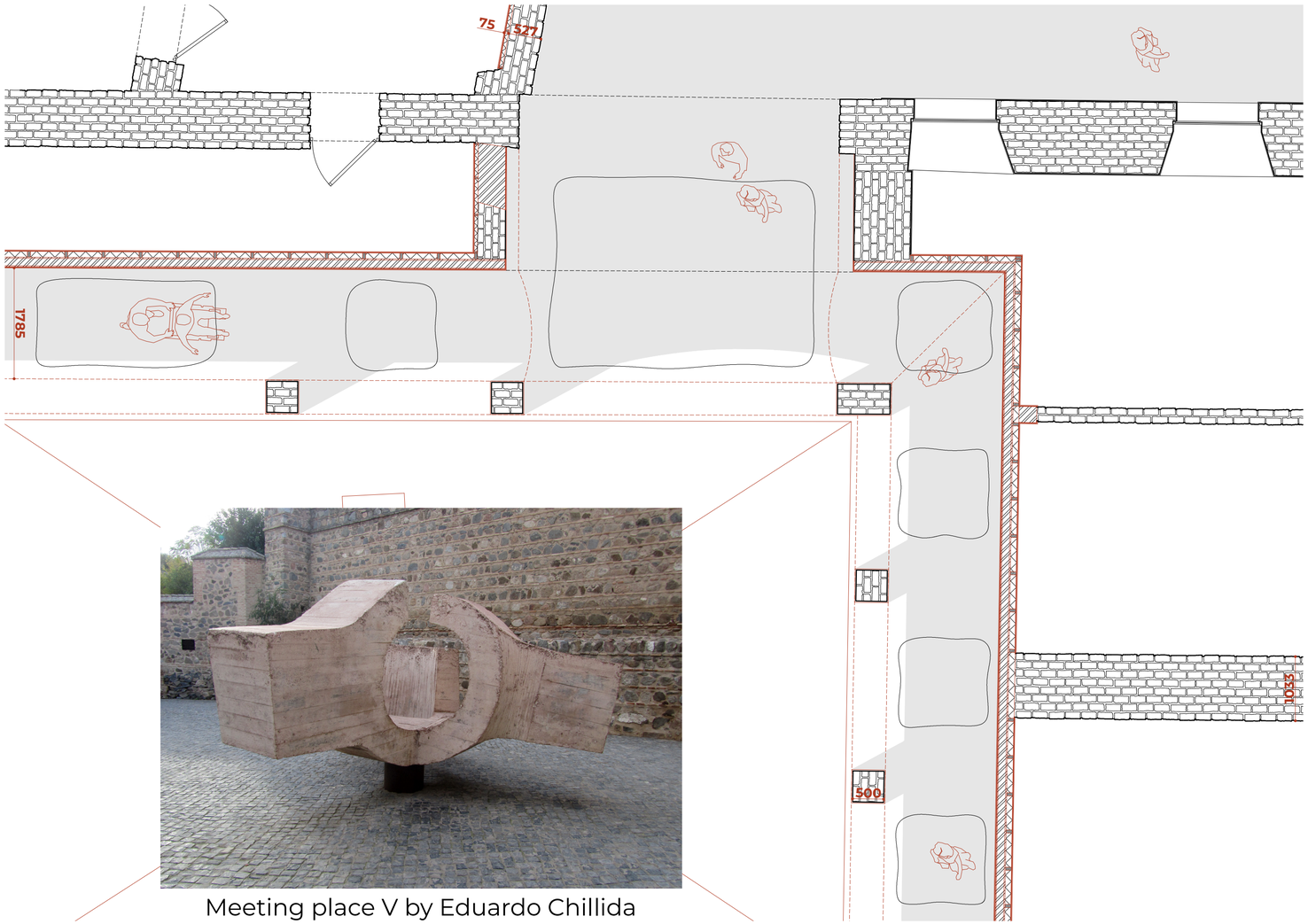


Finishing



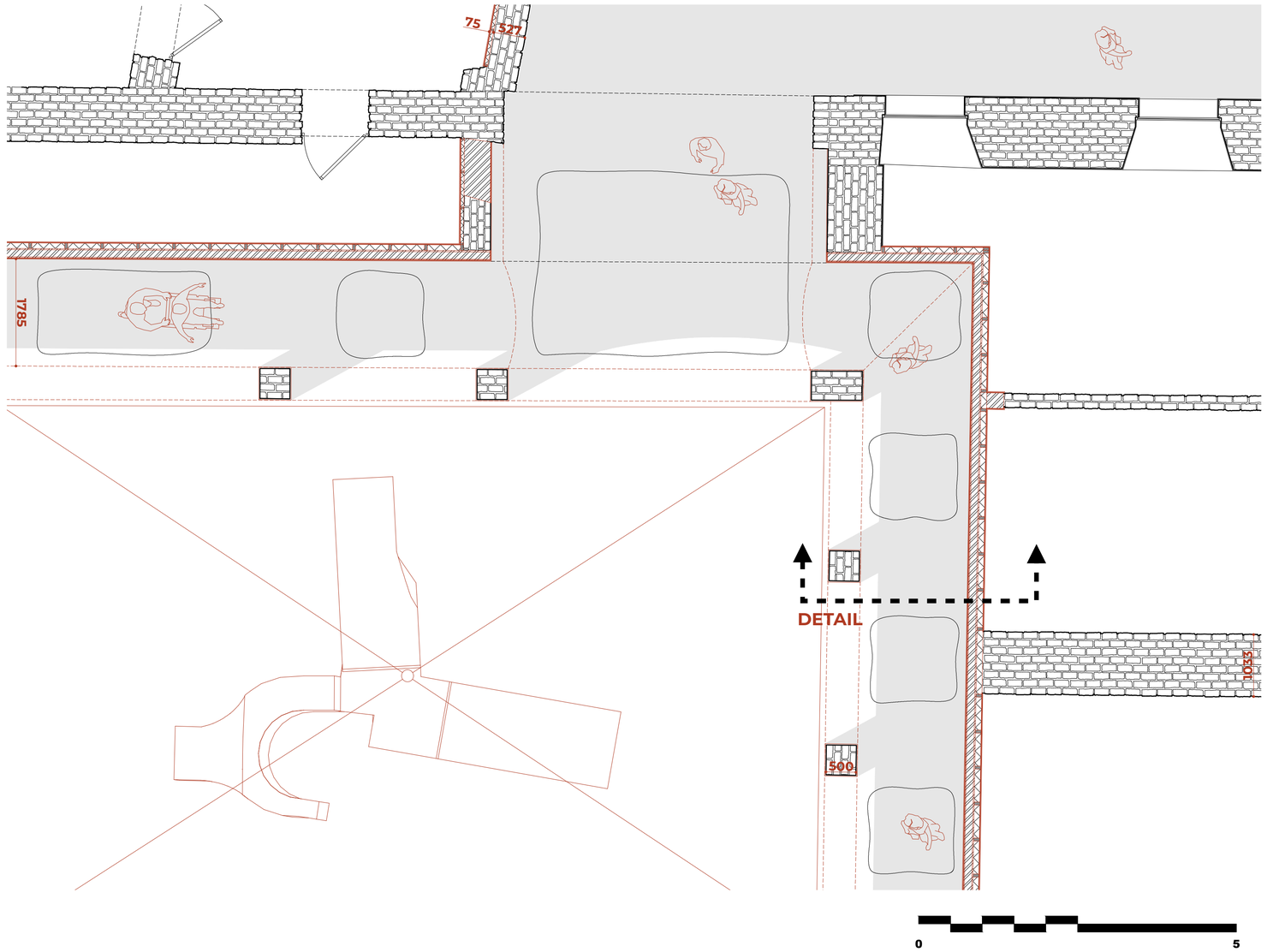
In-Use

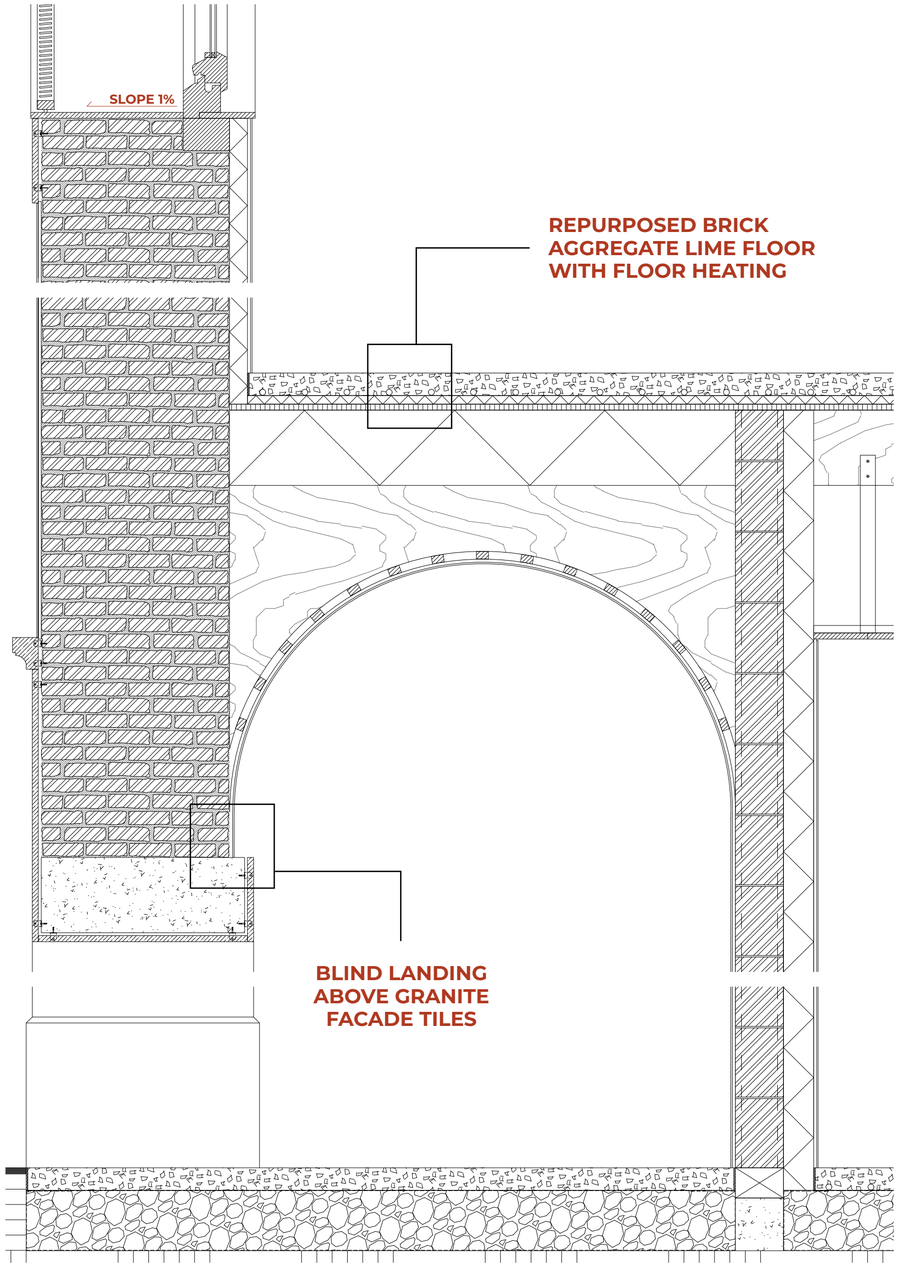
Collonade Segment 1:50



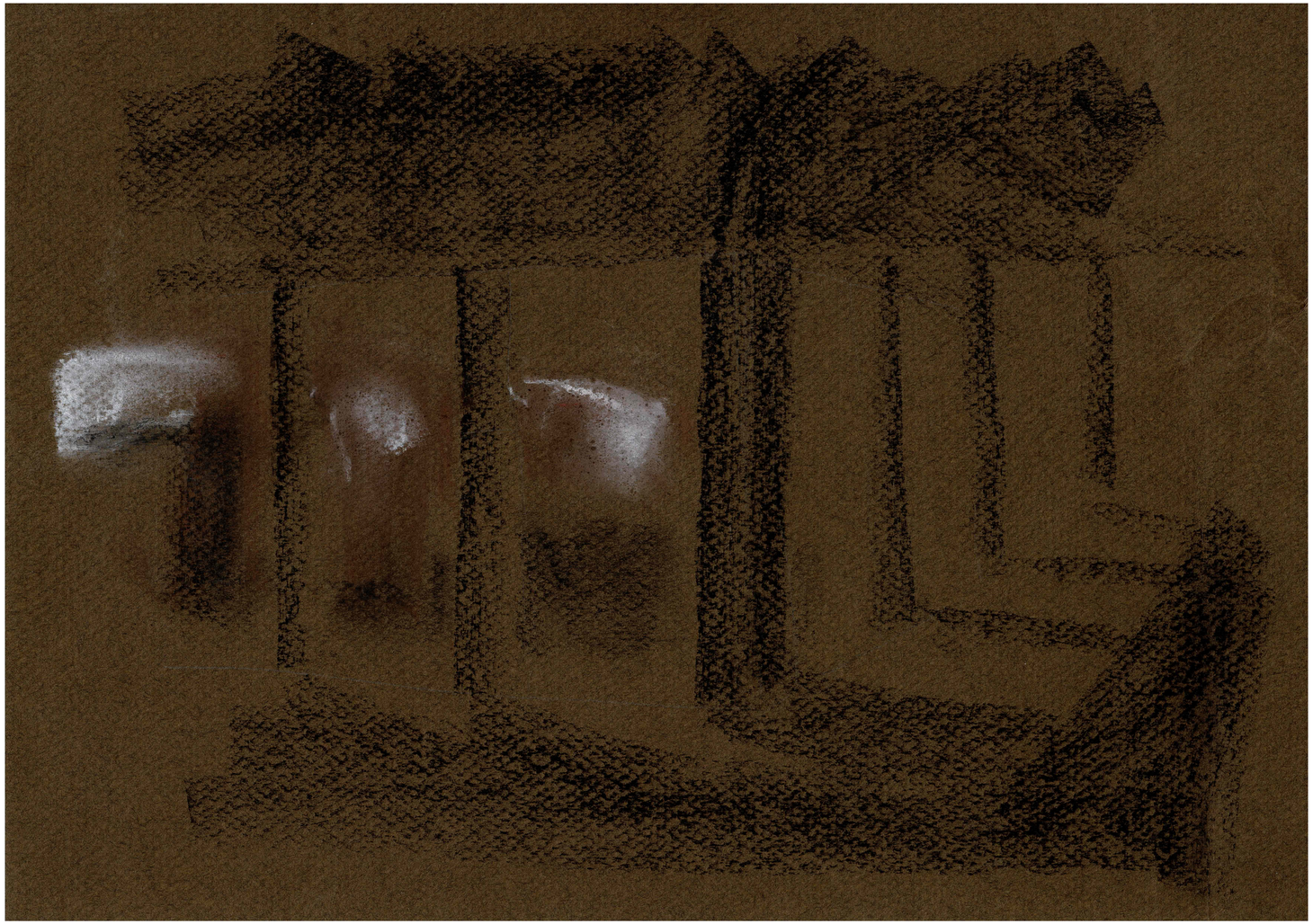
Meeting place V by Eduardo Chillida

Collonade Segment & Detail

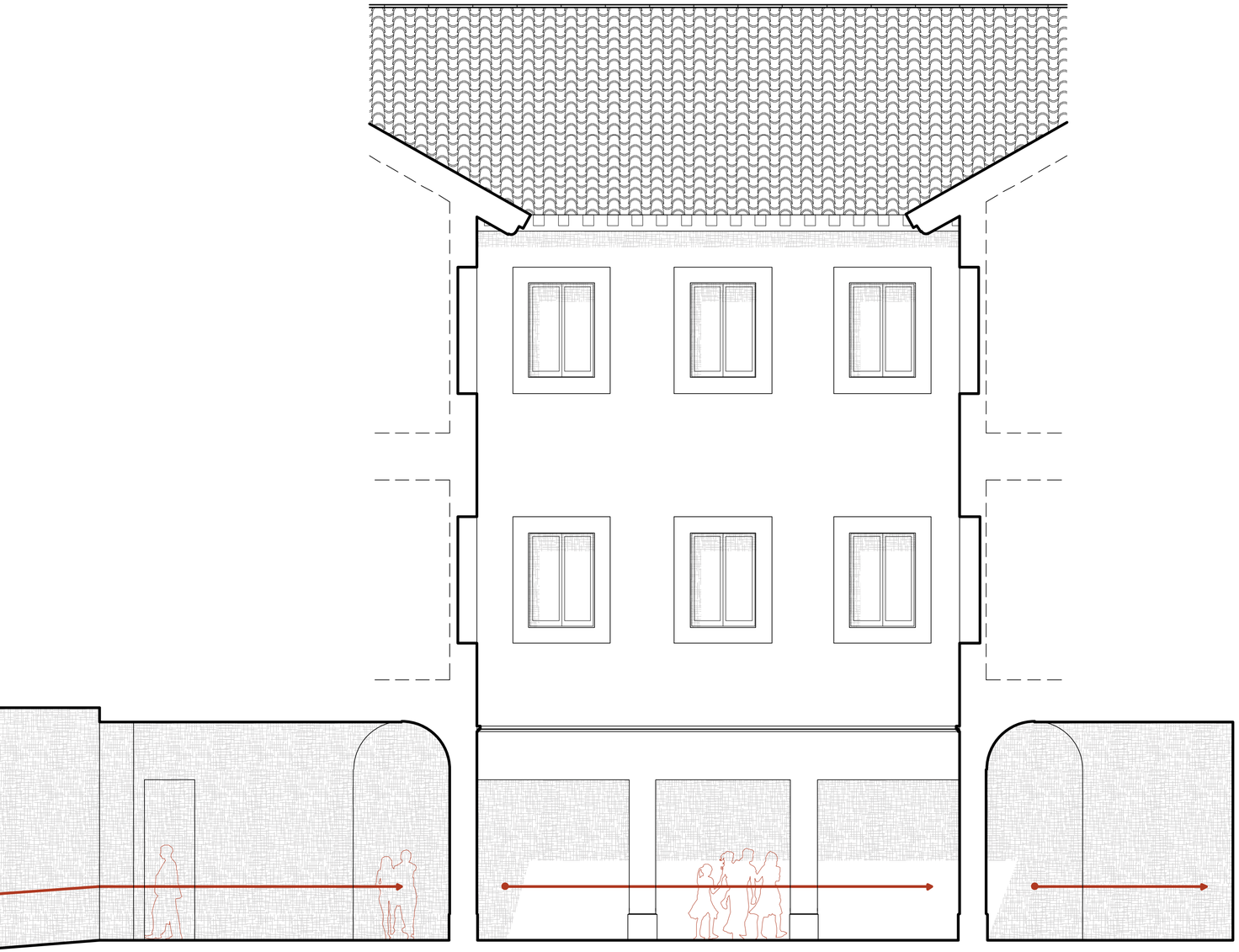


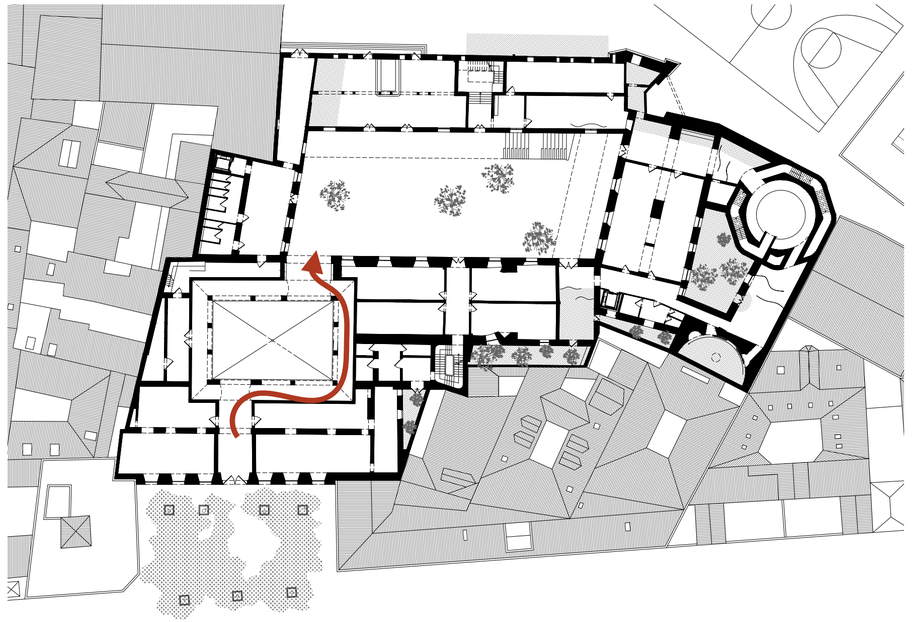


Collonade Atmposhere



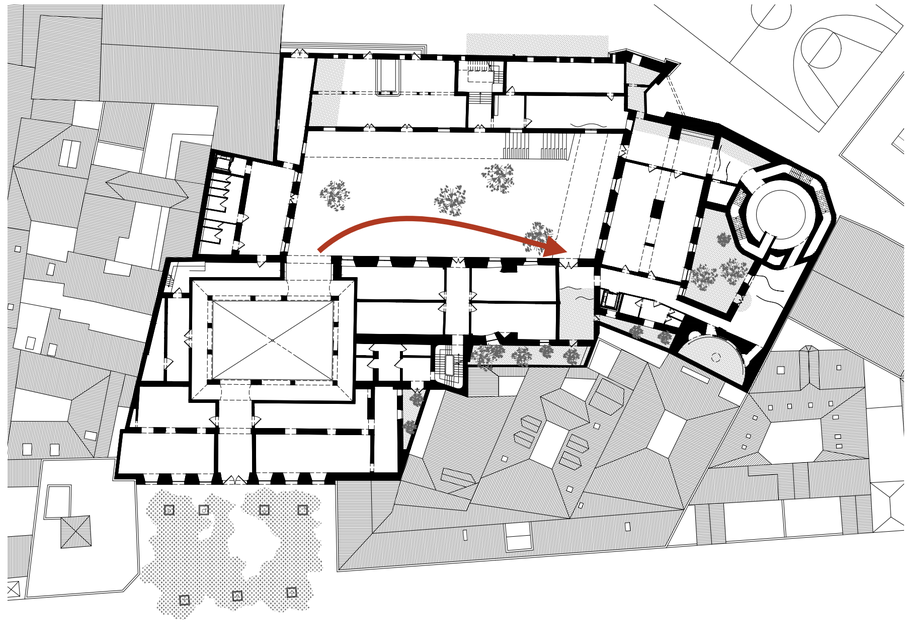
Route 1





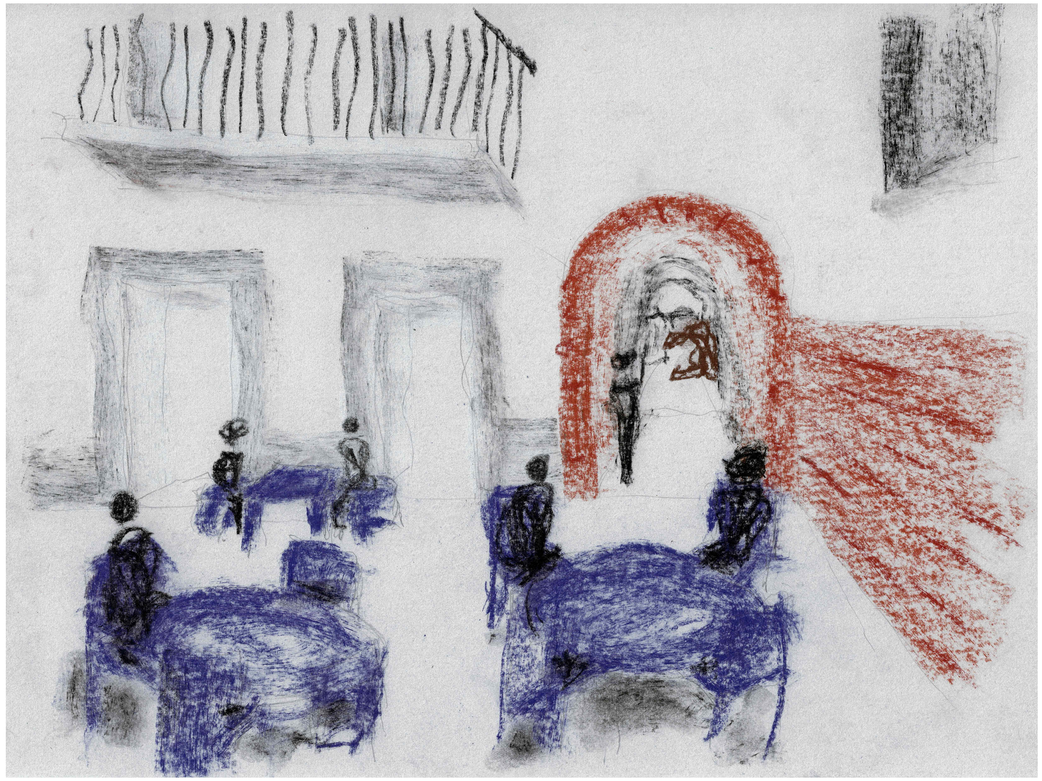


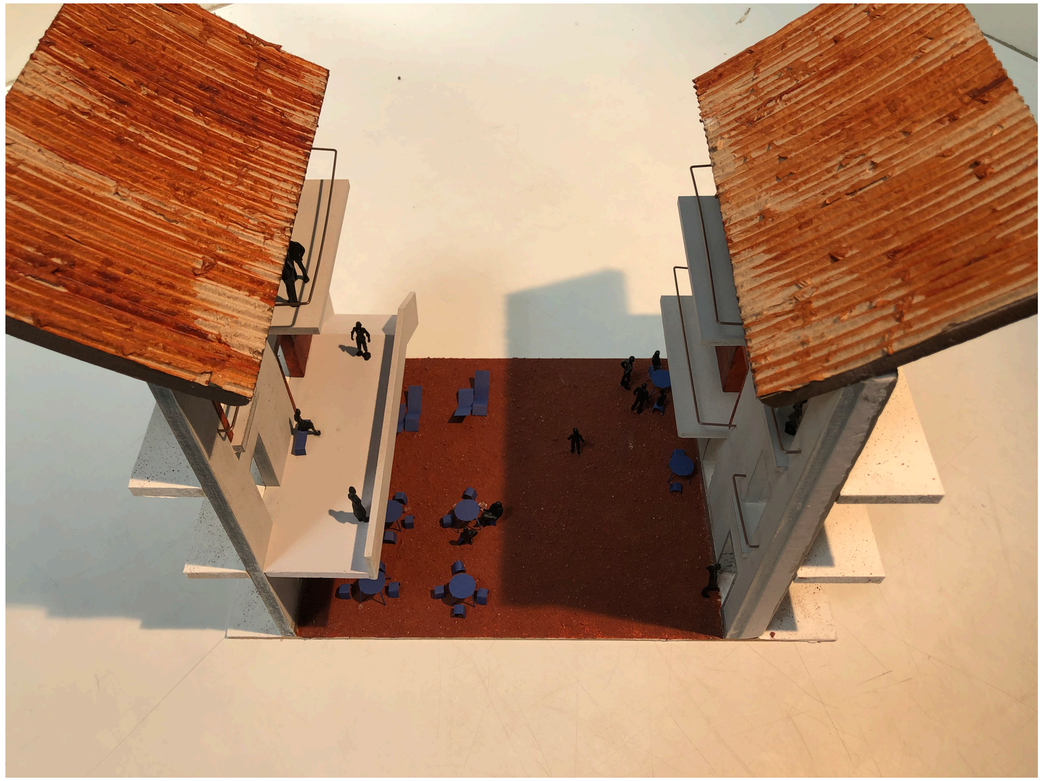

Route 1

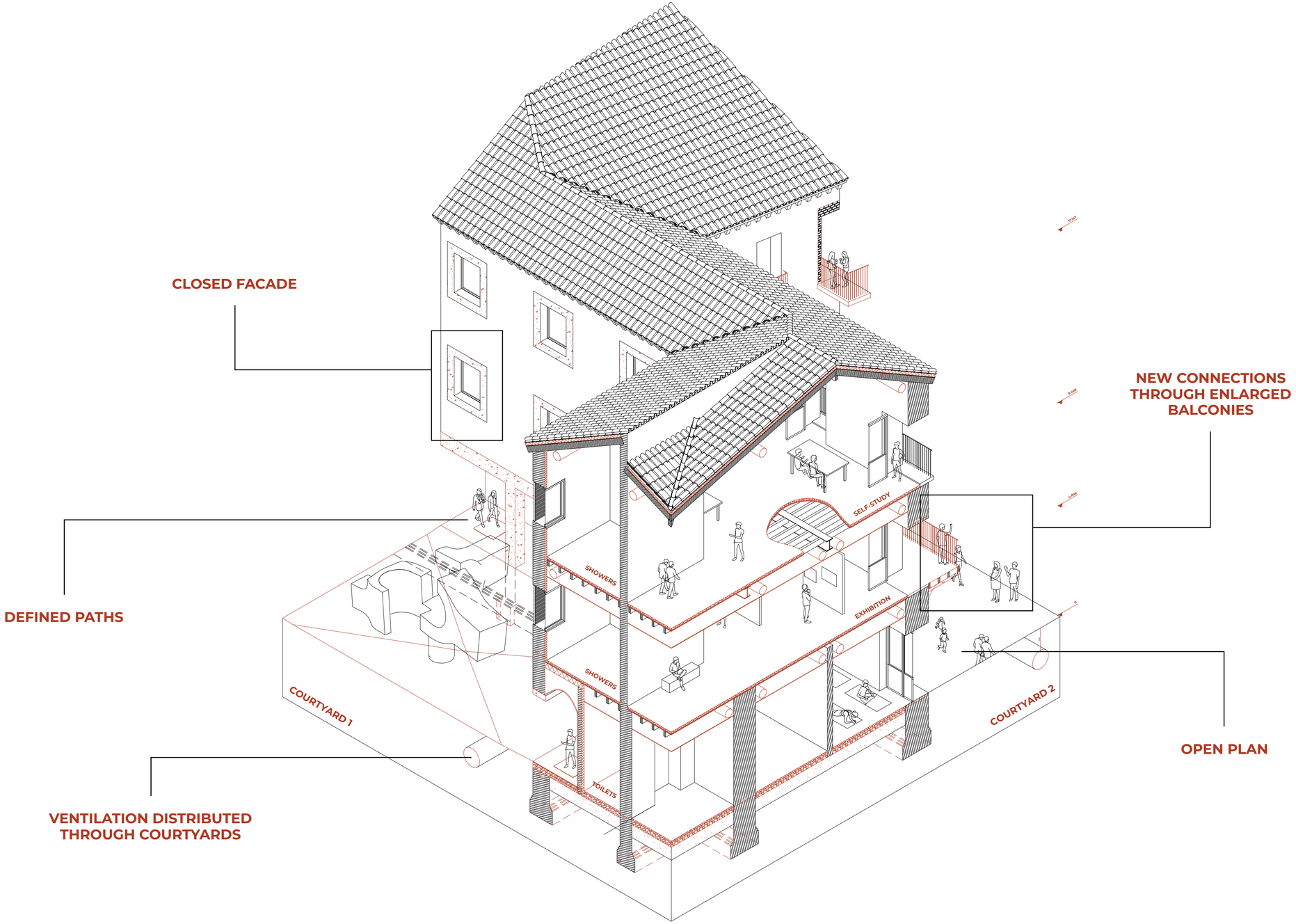



ferrovial
agroman
ferrovial
agroman
ENTRADA PROHIBIDA A PERSONAS NO AUTORIZADAS
ENTRADA PROHIBIDA A PERSONAS NO AUTORIZADAS
ZONA DE OBRAS
CAIDA DE OBJETOS
ENTRADA PROHIBIDA A PERSONAS NO AUTORIZADAS

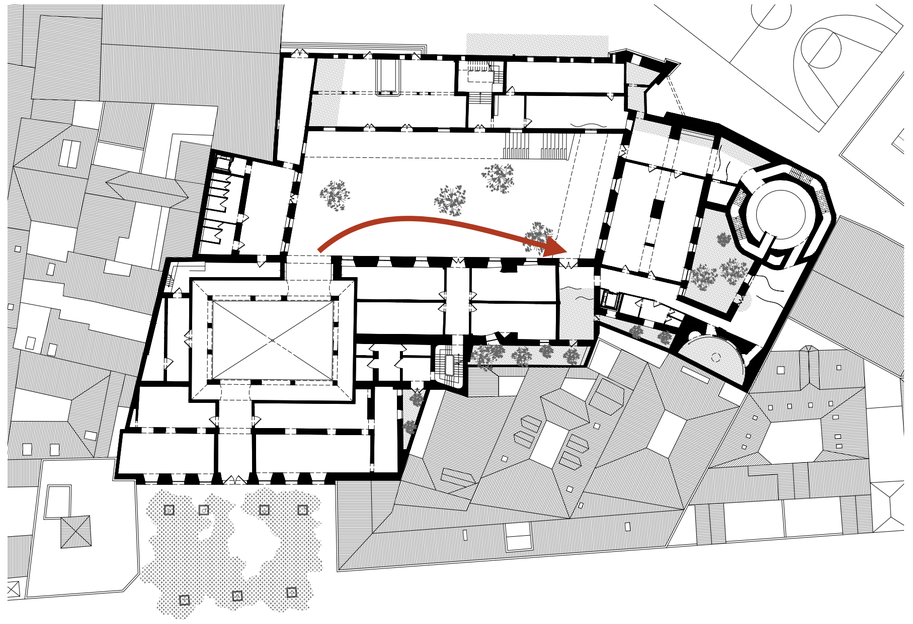
Second Courtyard Atmosphere





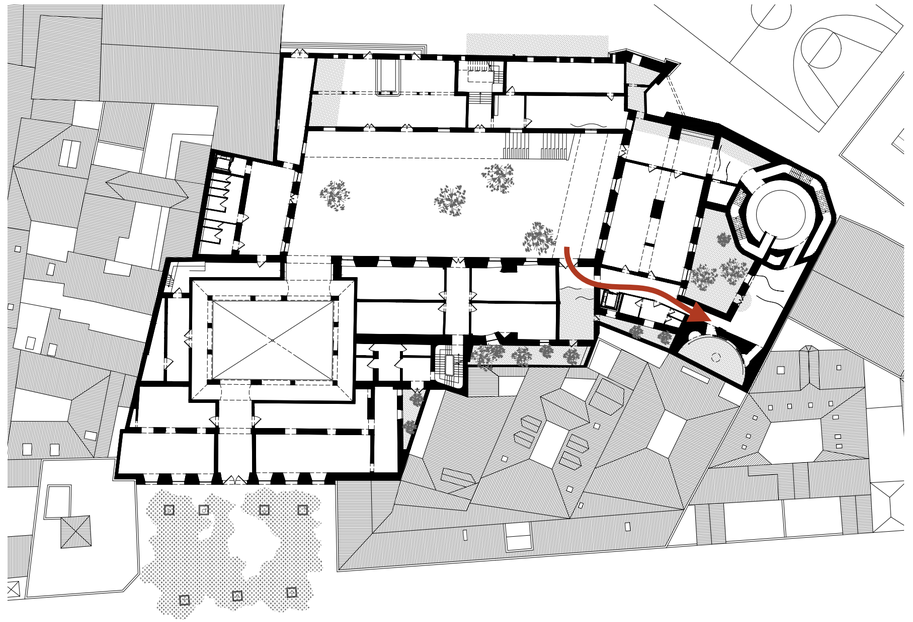

CLOSED FACADE
DEFINED PATHS
VENTILATION DISTRIBUTED THROUGH COURTYARDS
NEW CONNECTIONS THROUGH ENLARGED BALCONIES
OPEN PLAN
SELF-STUDY
EXHIBITION
SHOWERS
SHOWERS
TOILETS
COURTYARD 1
COURTYARD 2

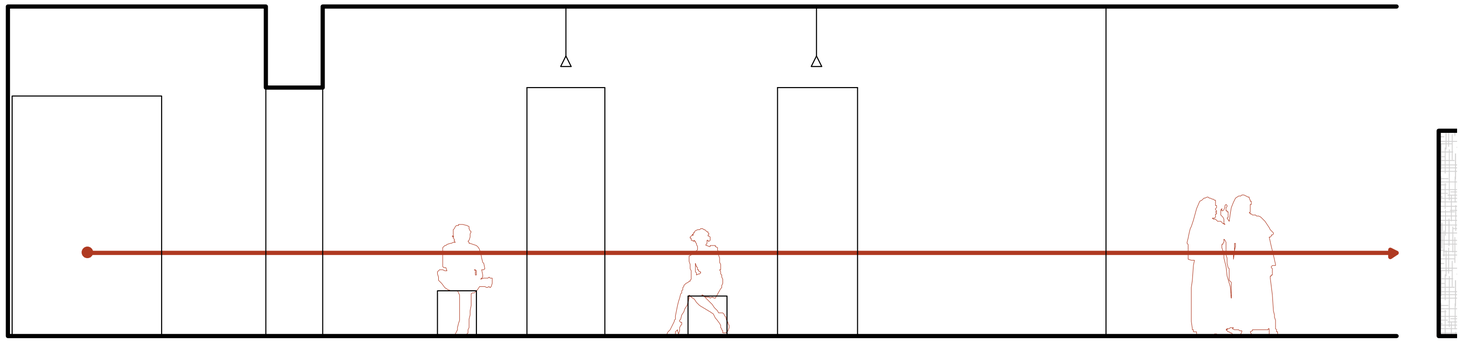

Route 1

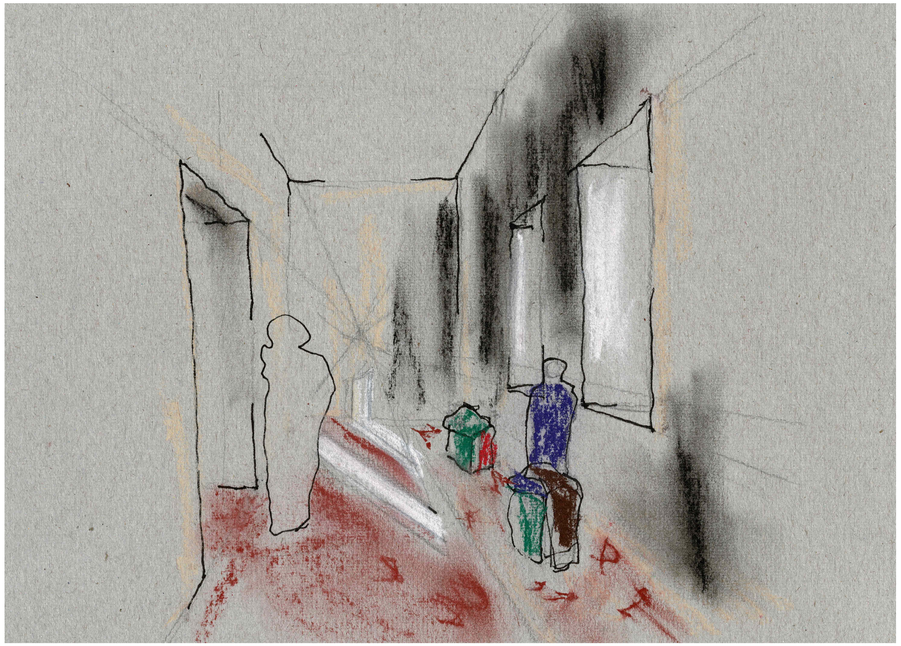



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ENTRADA PROHIBIDA A PERSONAS NO AUTORIZADAS
ZONA DE OBRAS
CAIDA DE OBJETOS

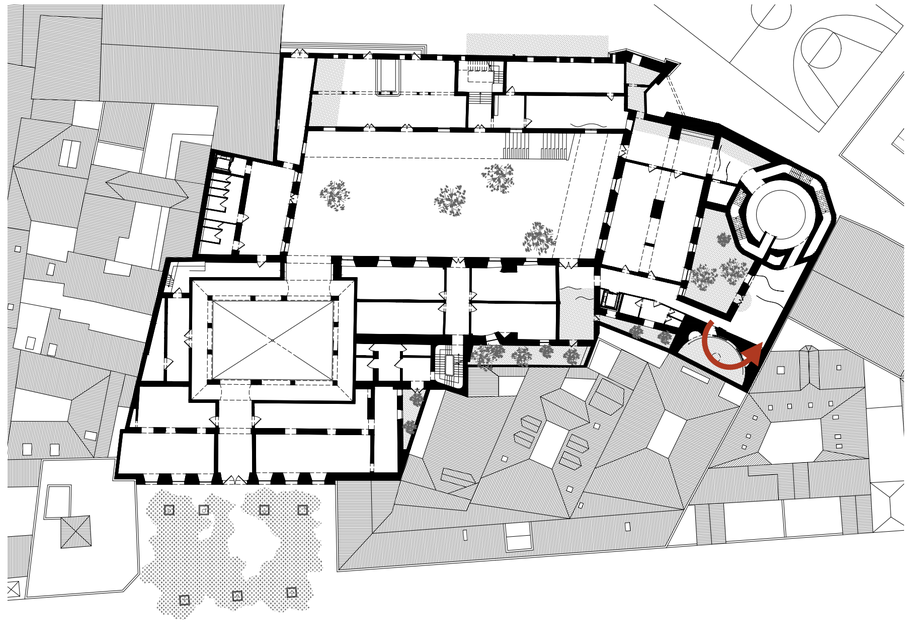
Route 1

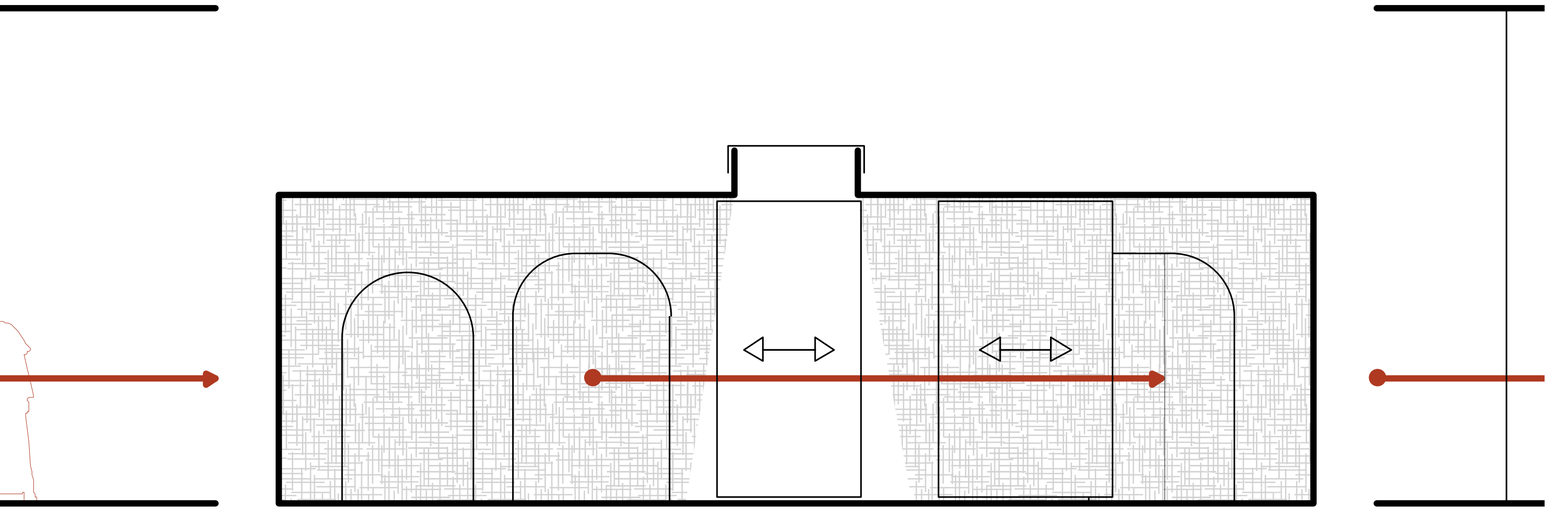




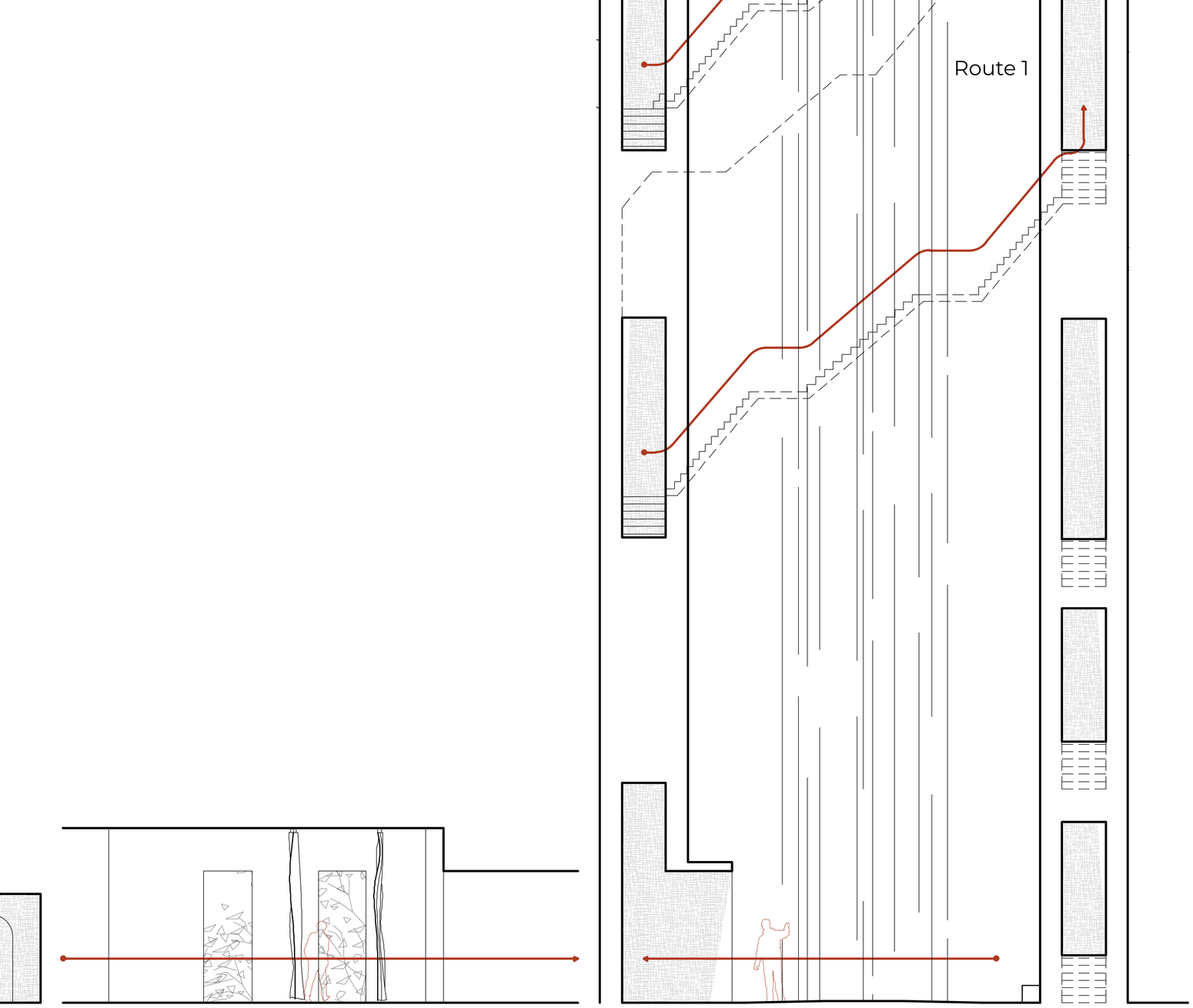


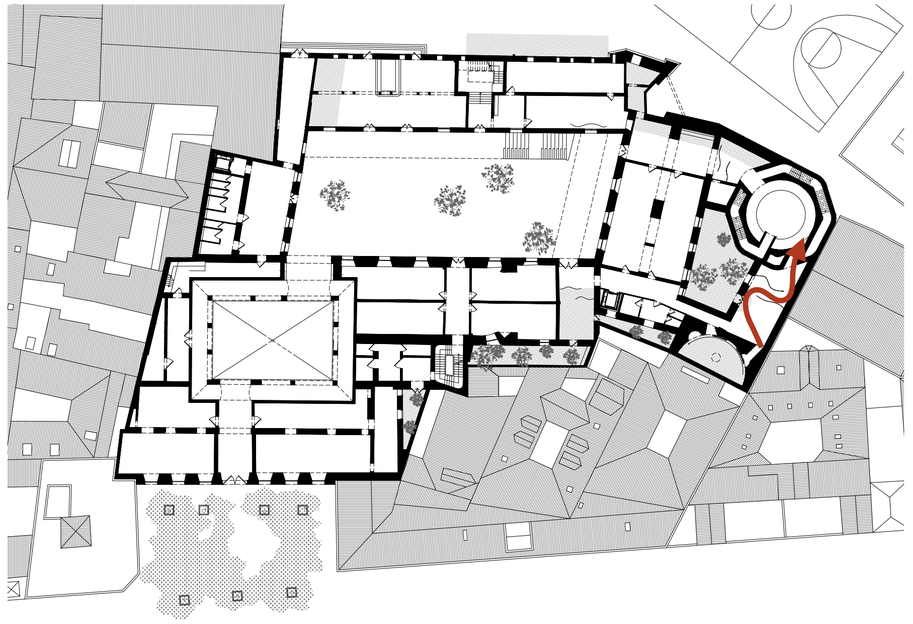
Route 1





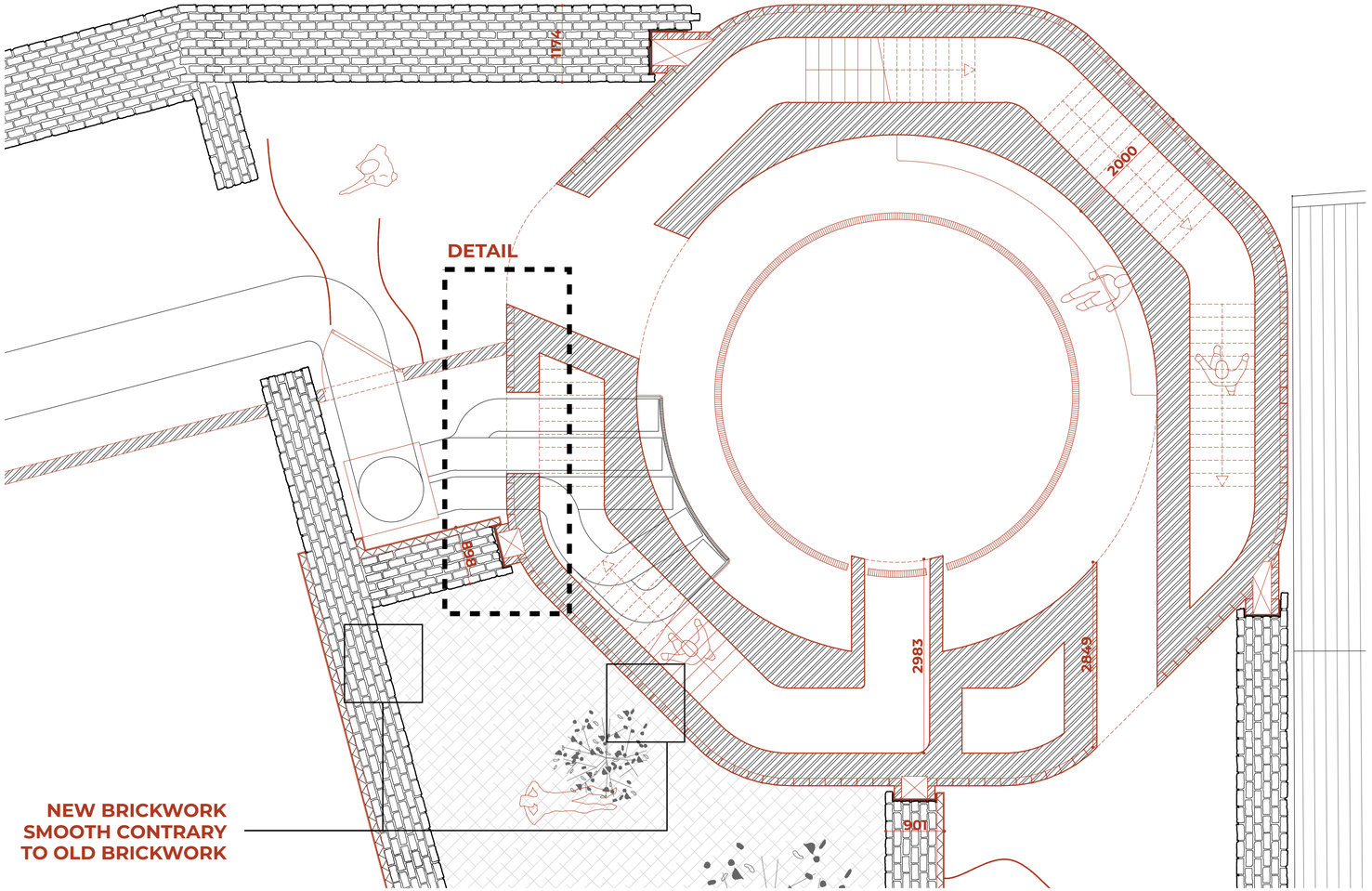


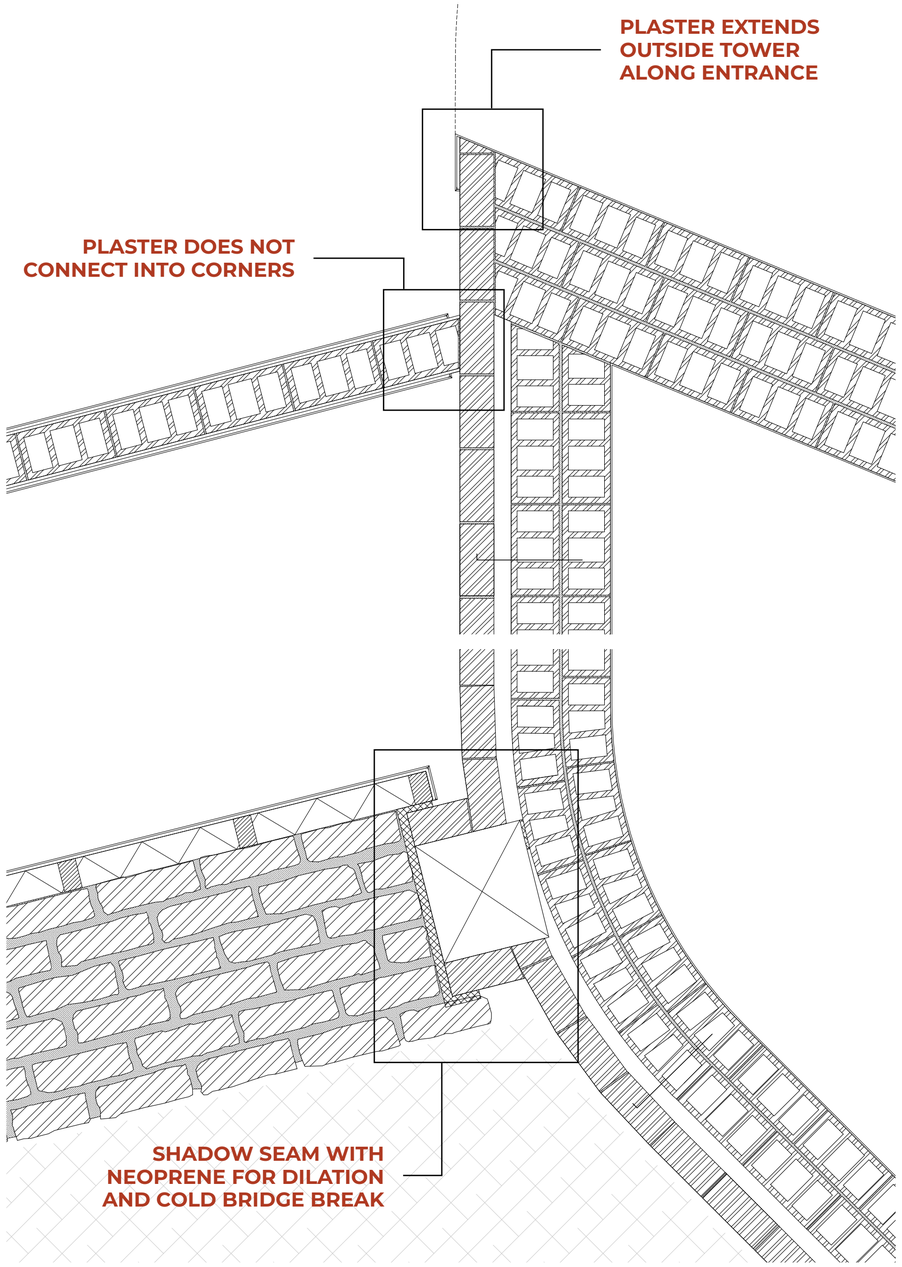

Route 1



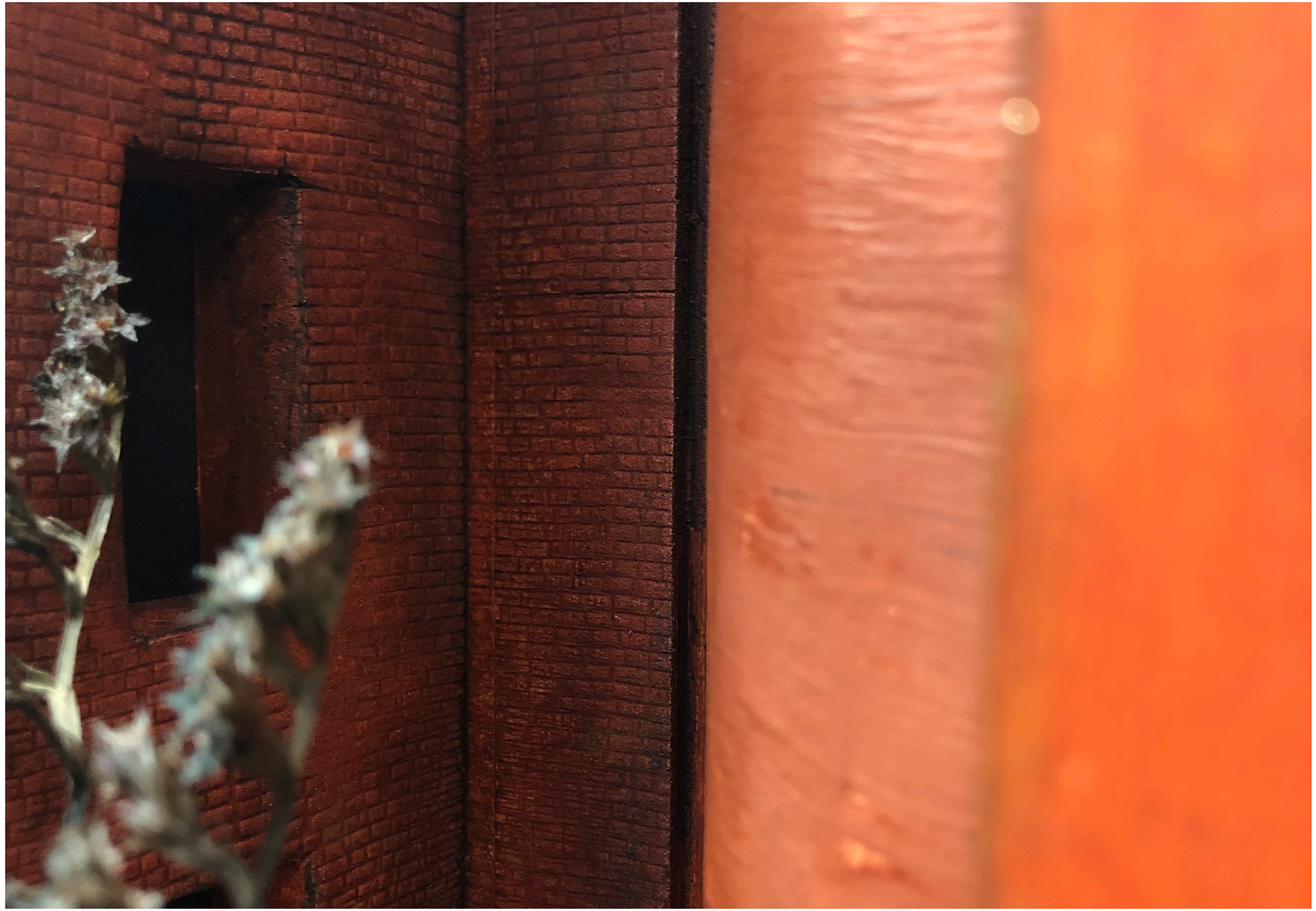


Climate Tower Segment & Detail

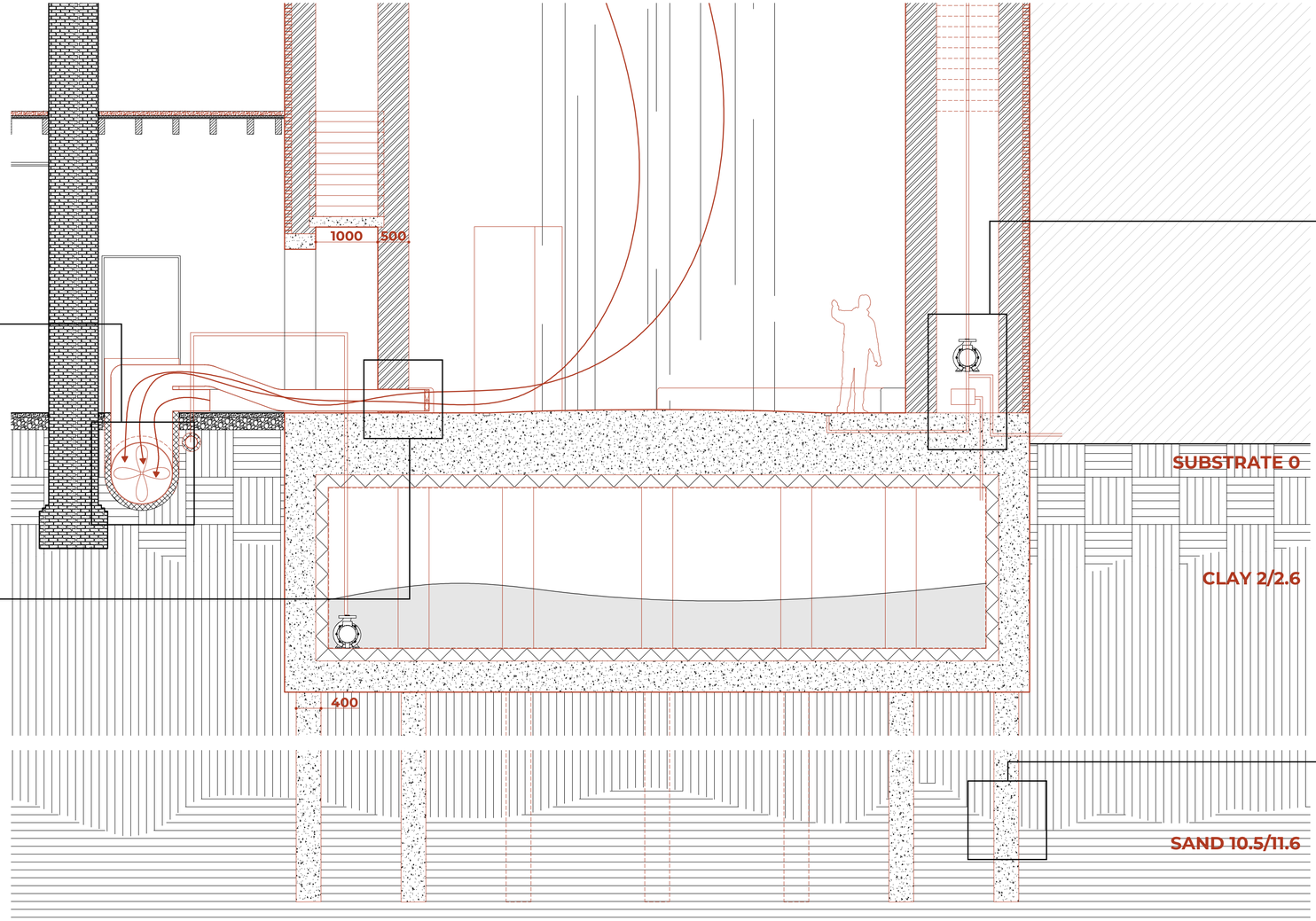


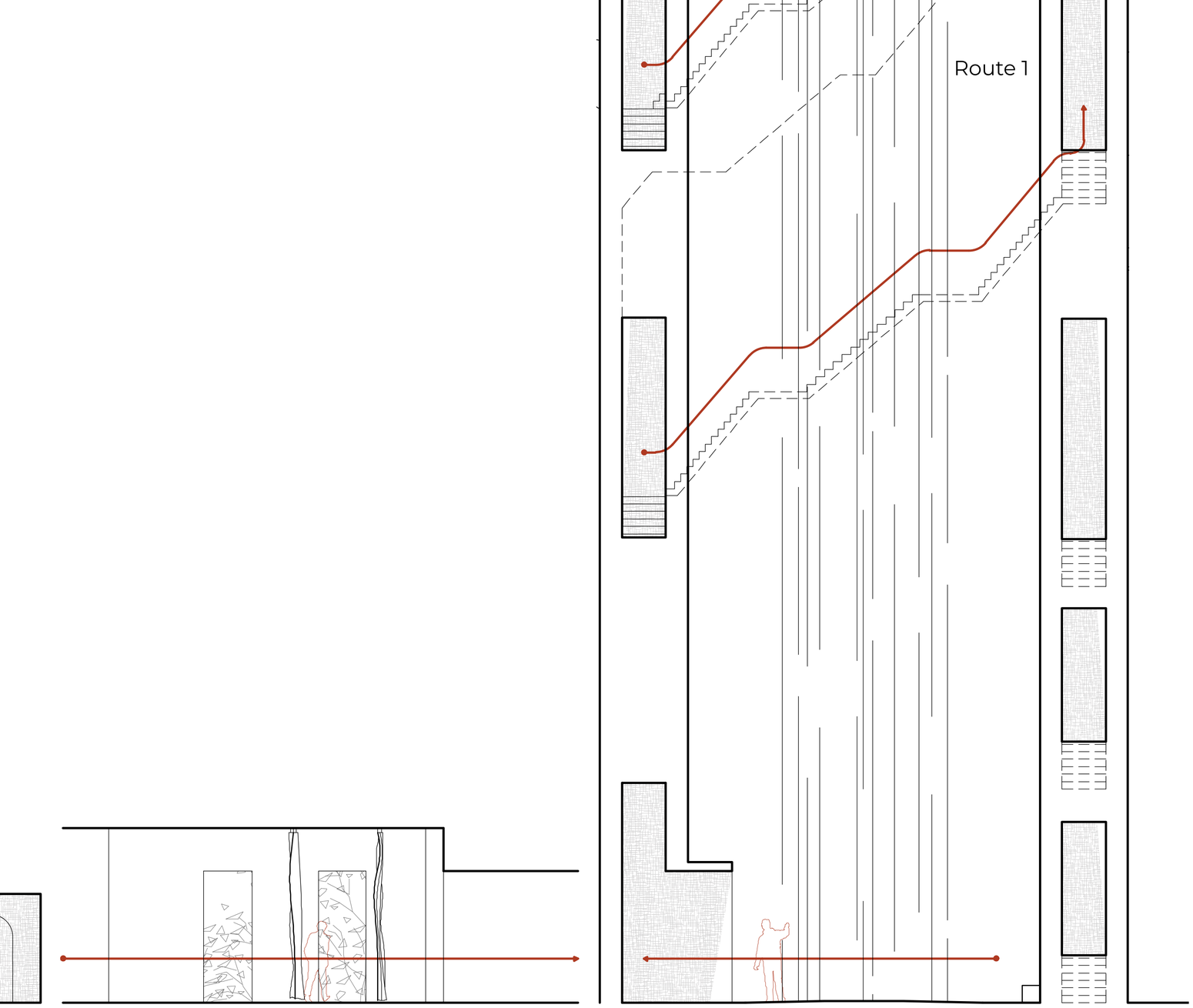


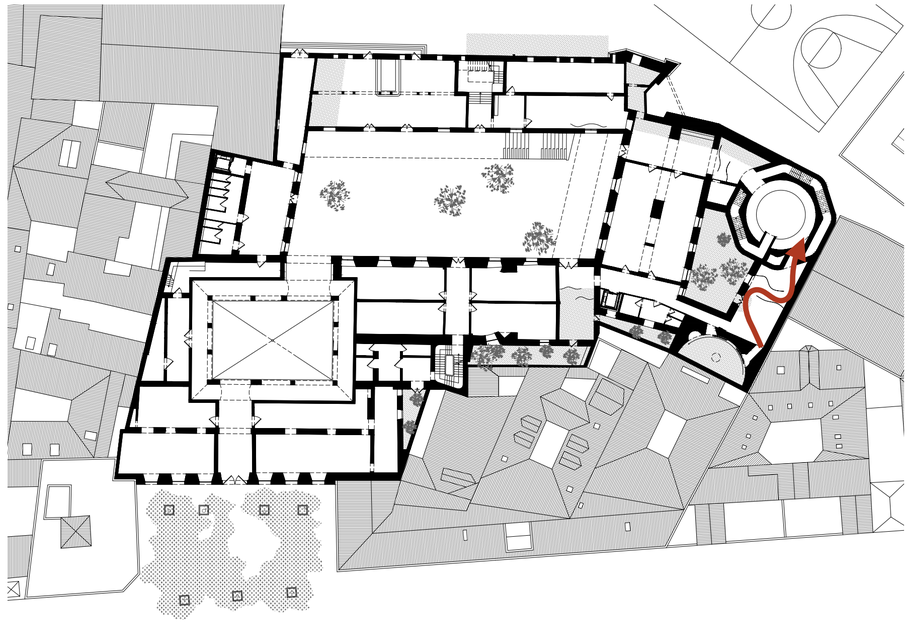
Climate Tower Shadow Seam



Climate Tower Vertical Segment

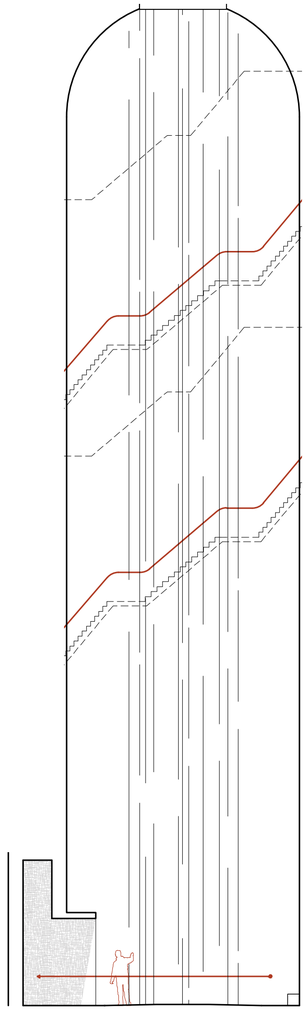


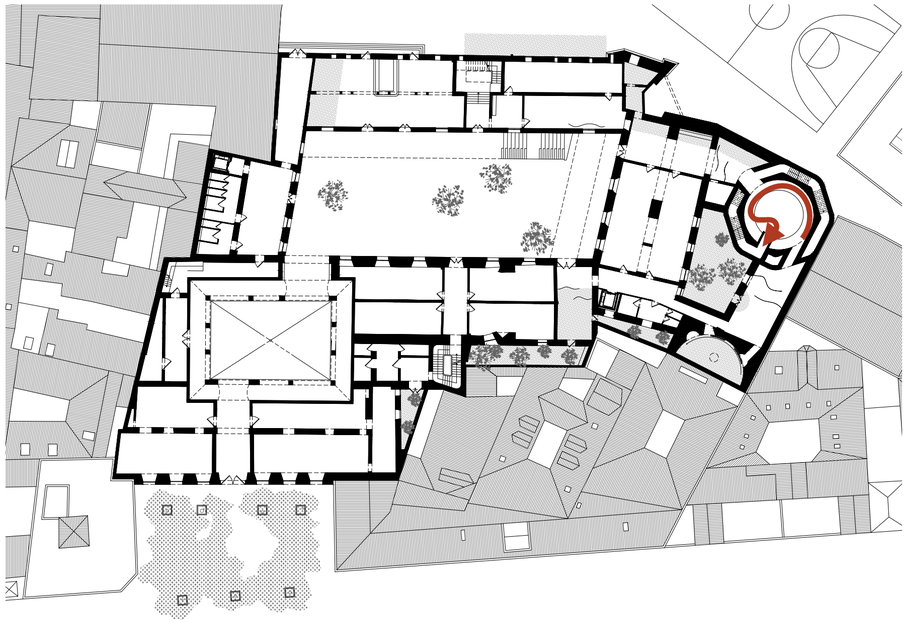

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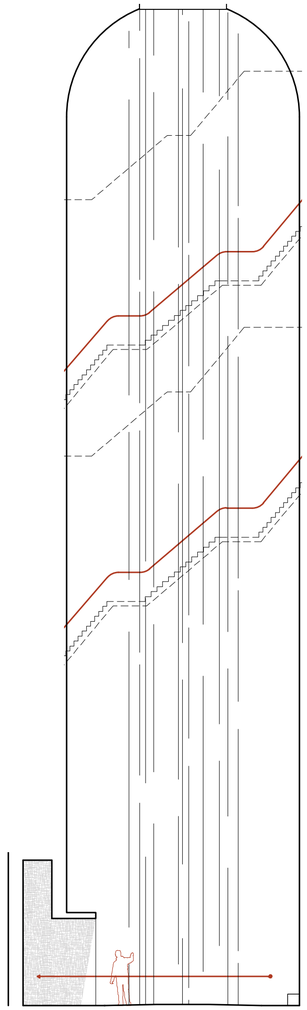
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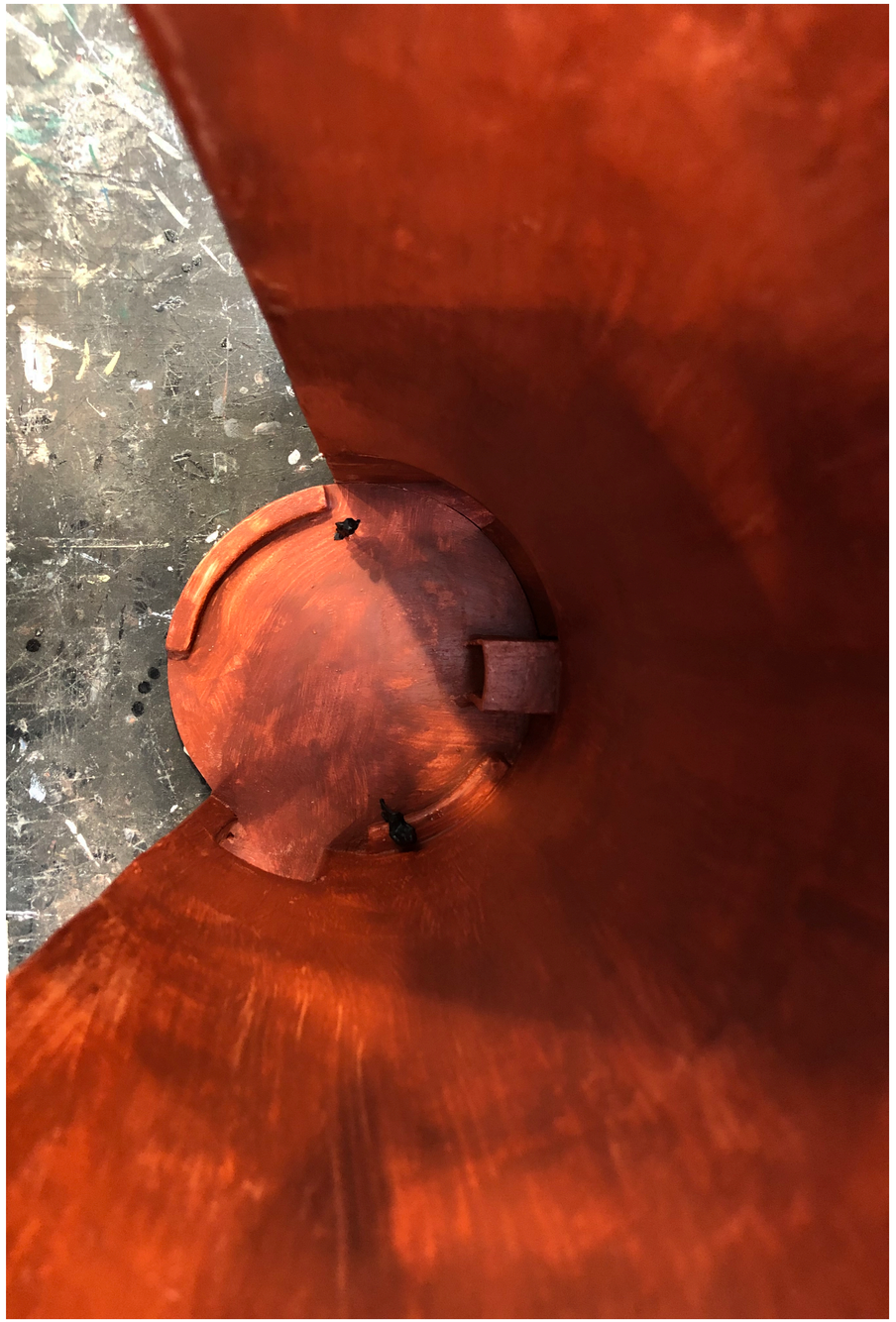






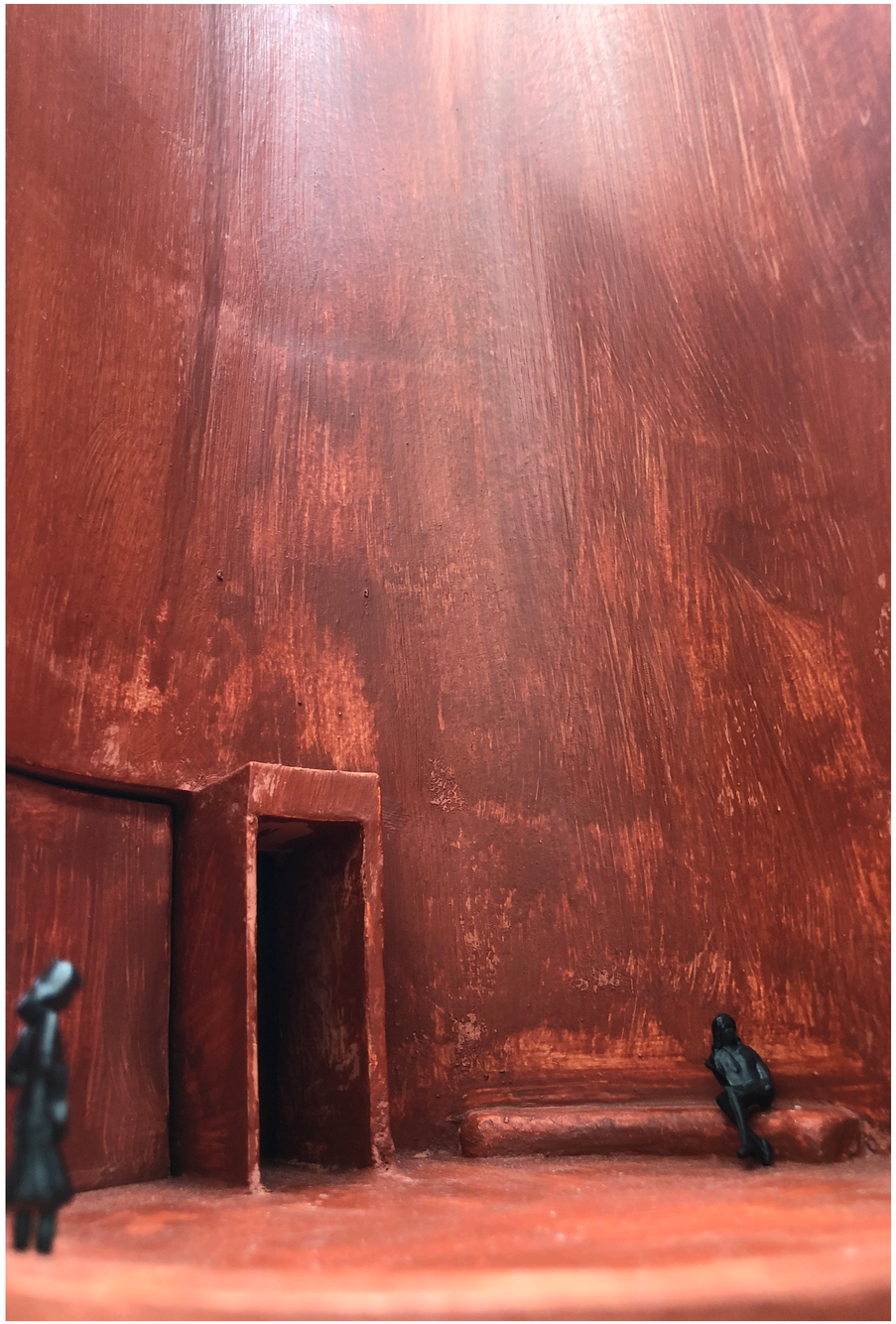
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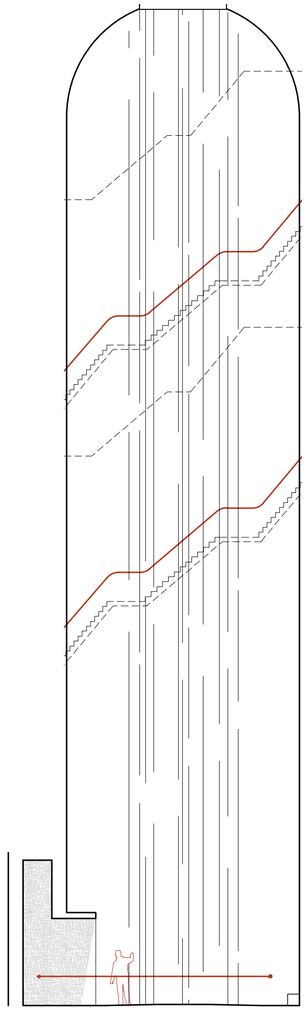


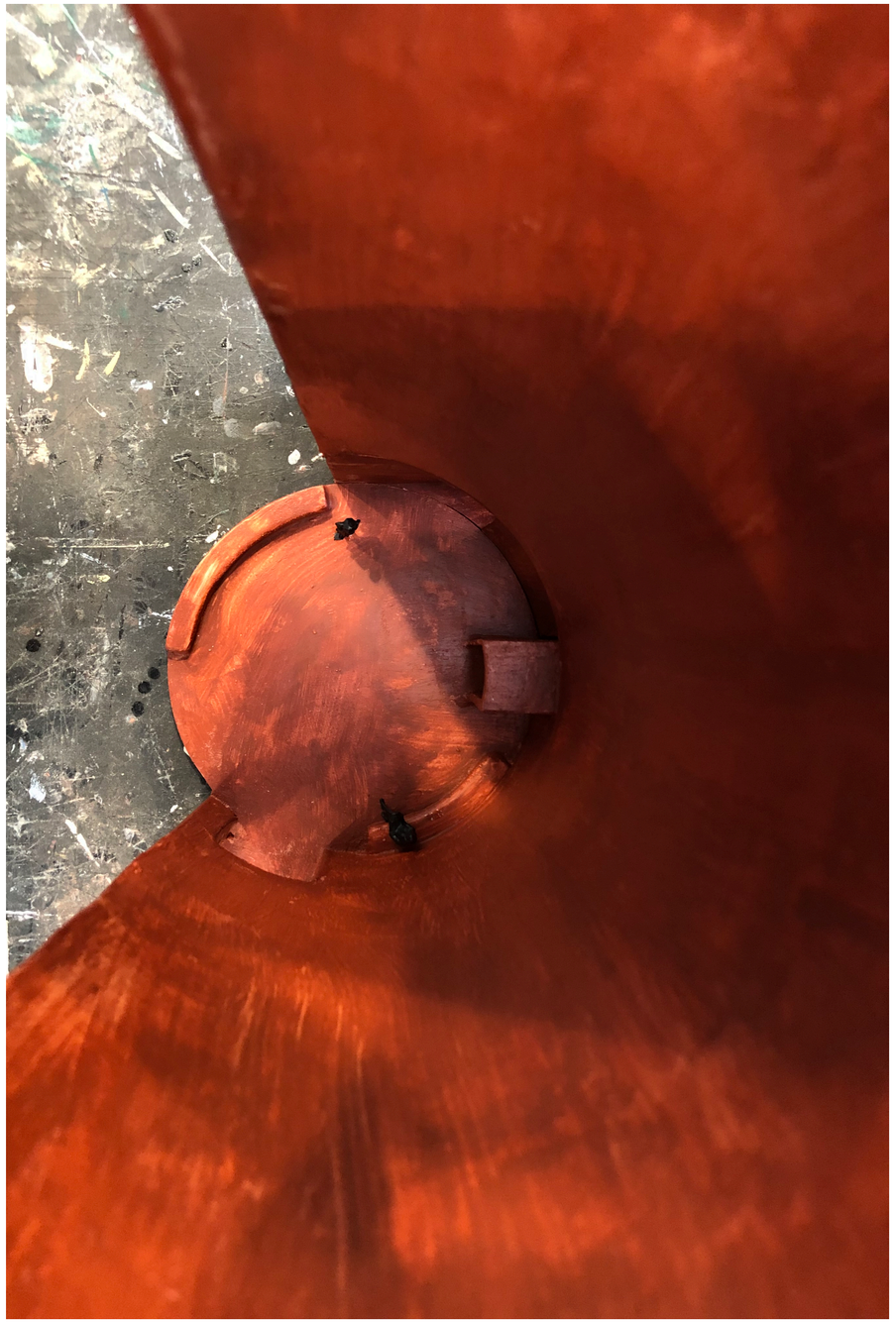
Climate Tower Atmposphere

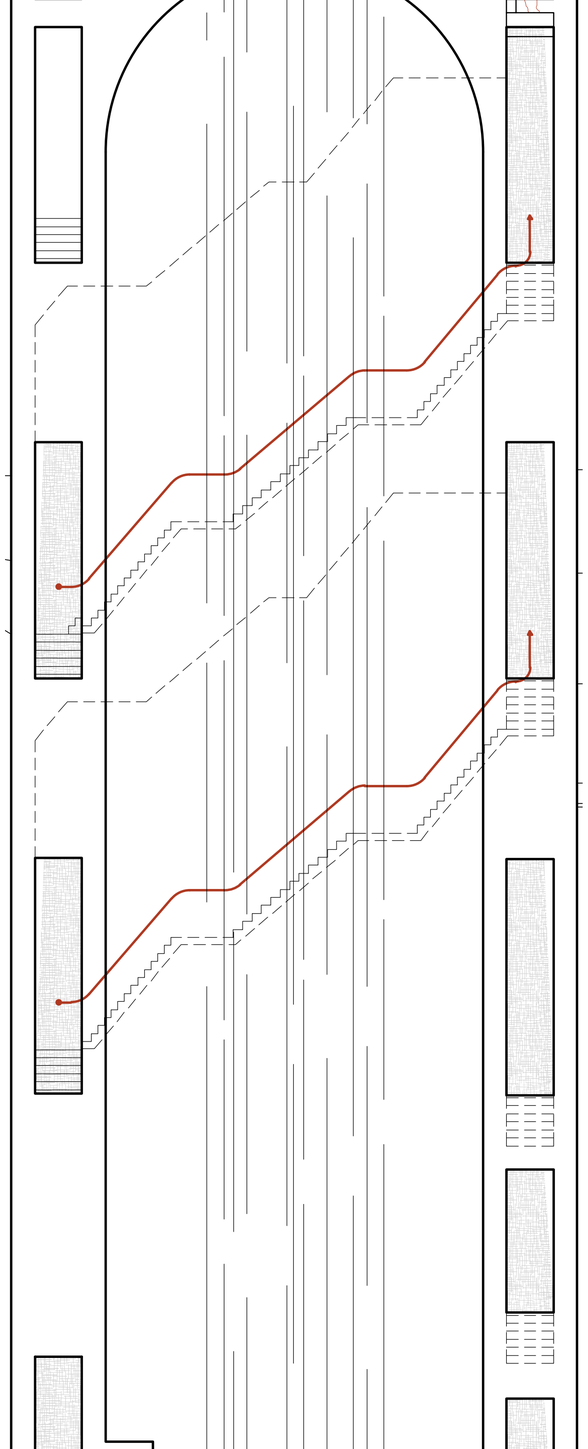




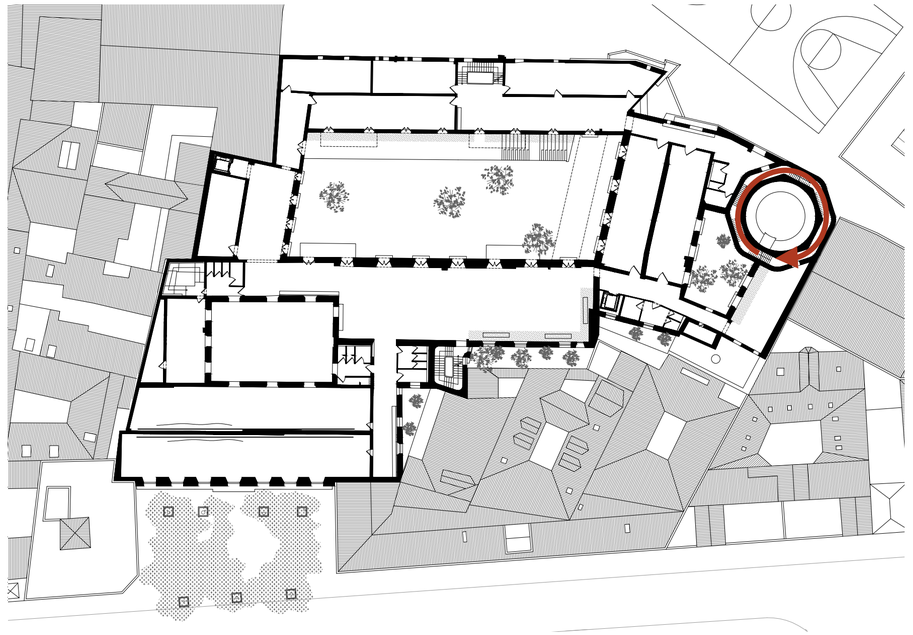
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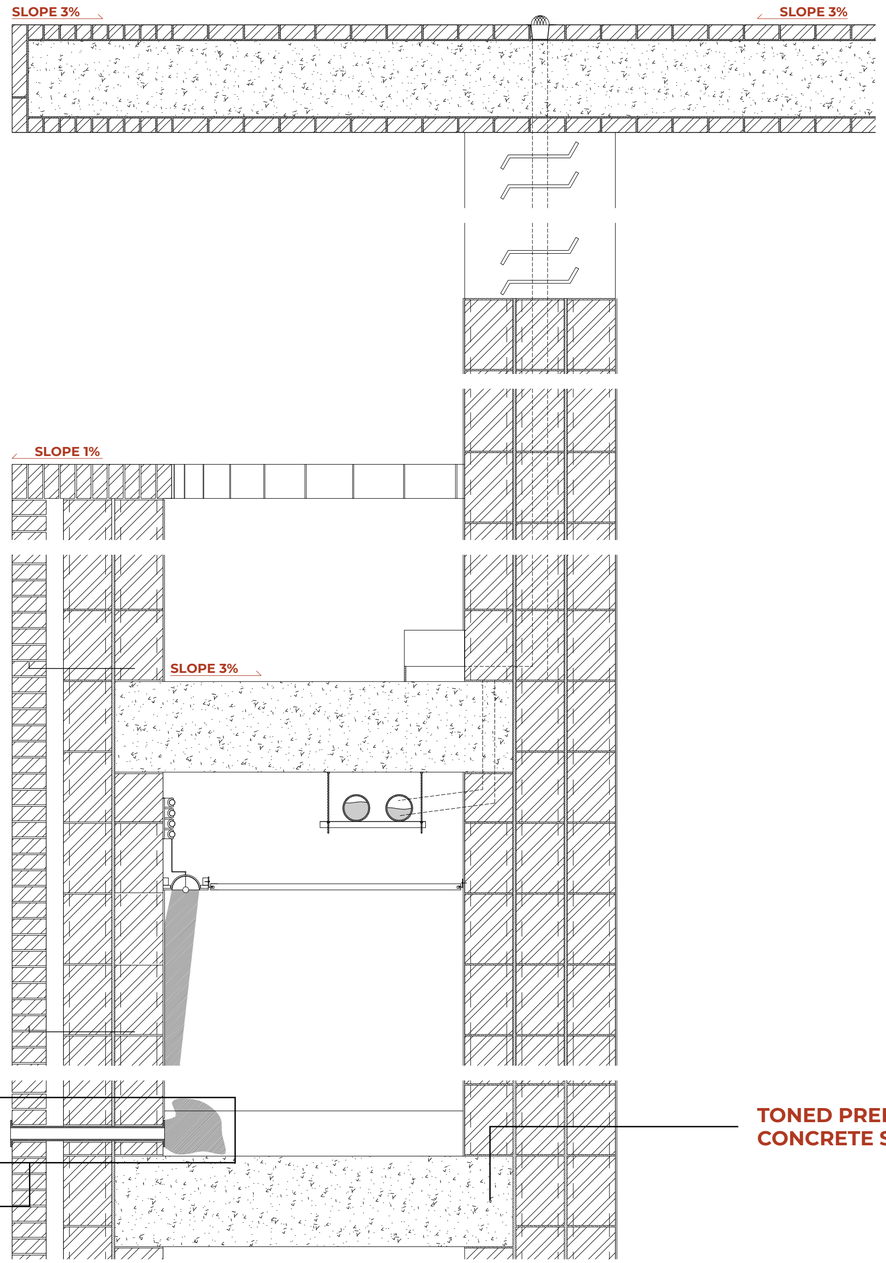


Route 1



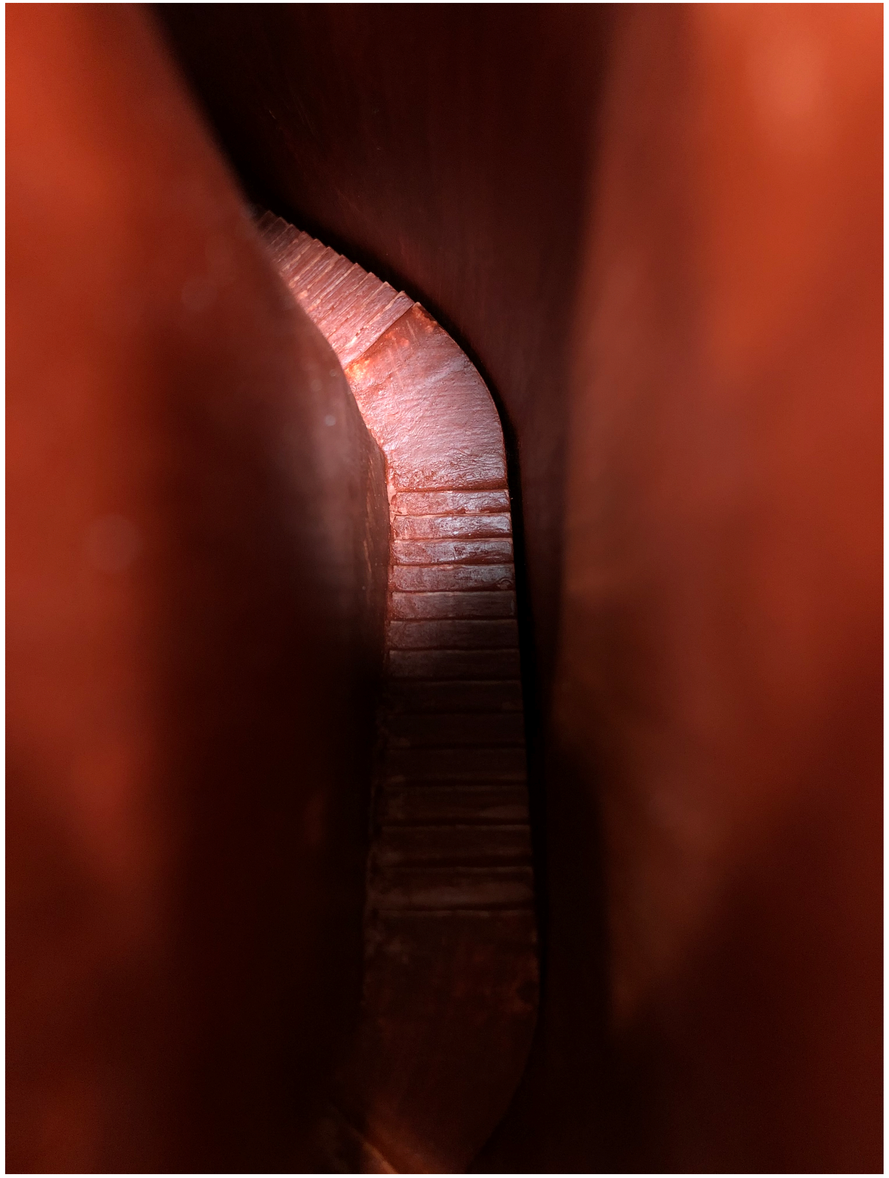


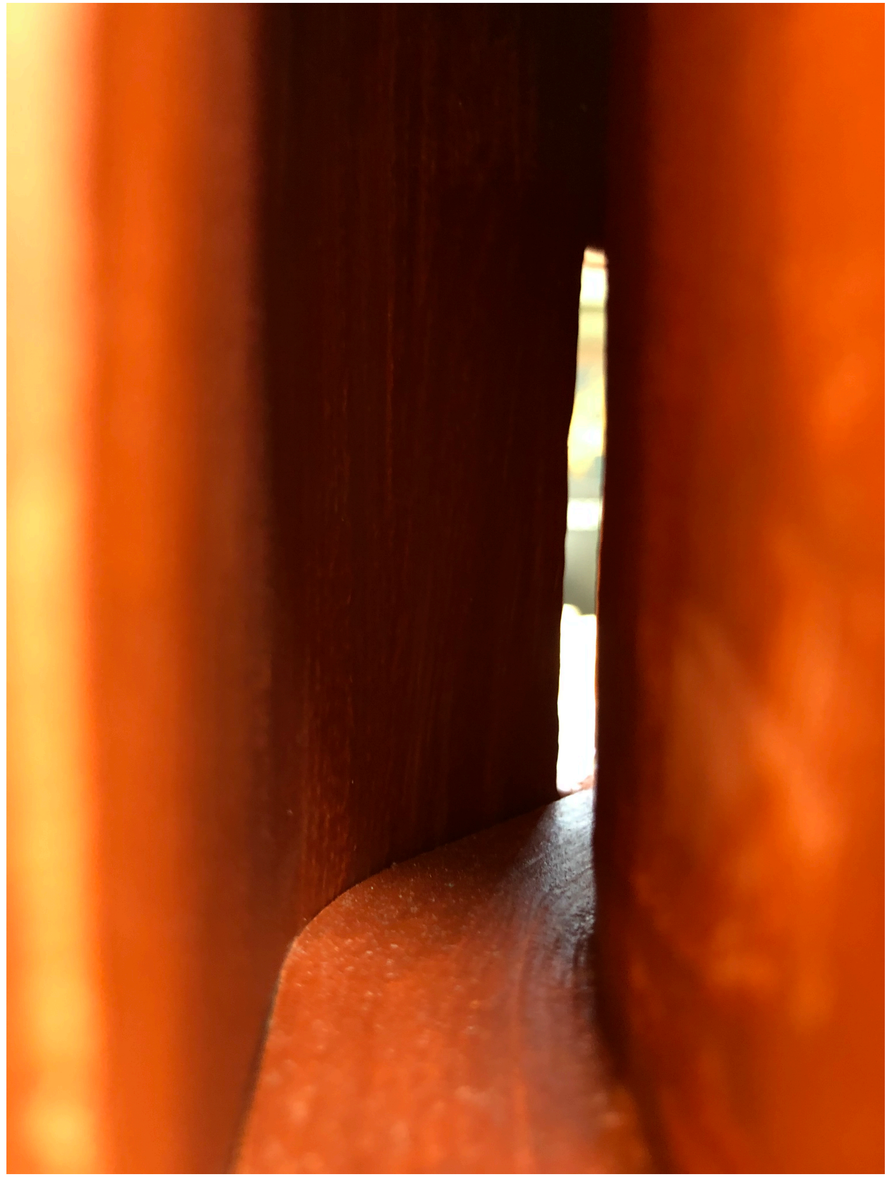
Climate Tower Staircase Detail

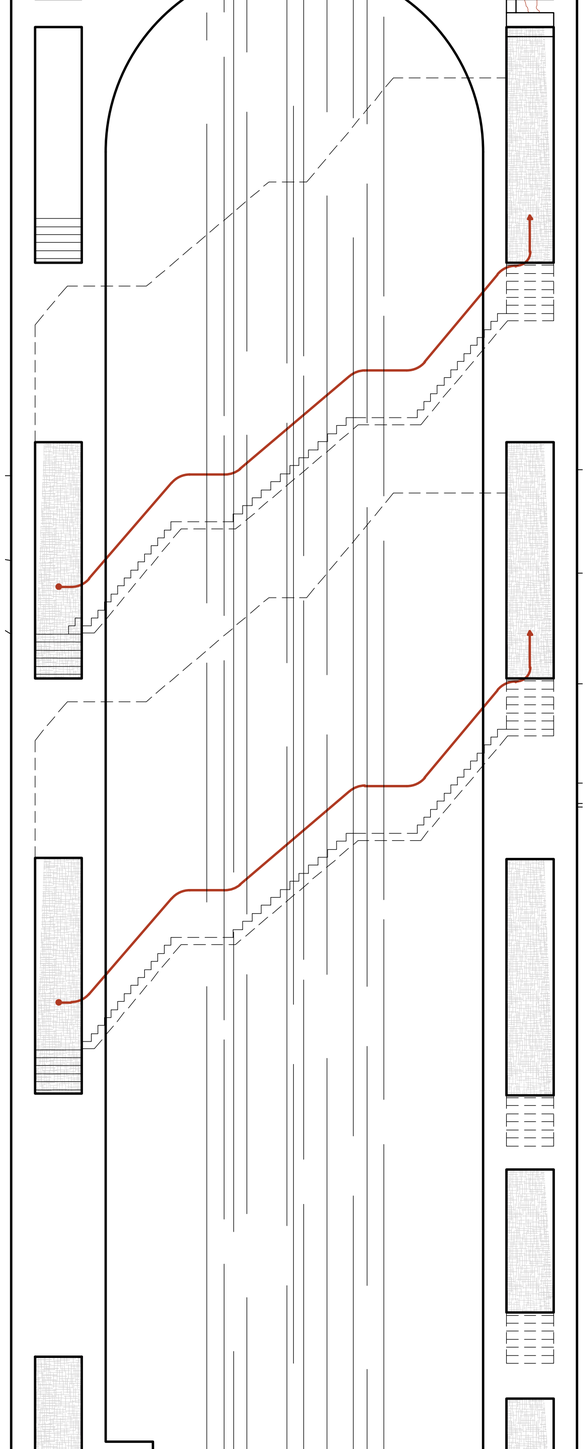




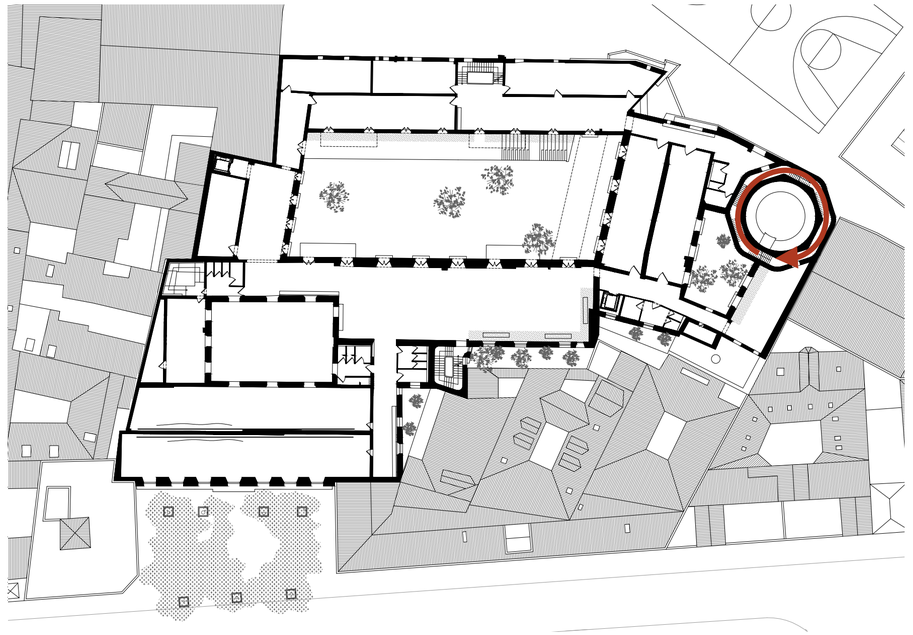
Climate Tower Staircase Atmpshere







Route 1

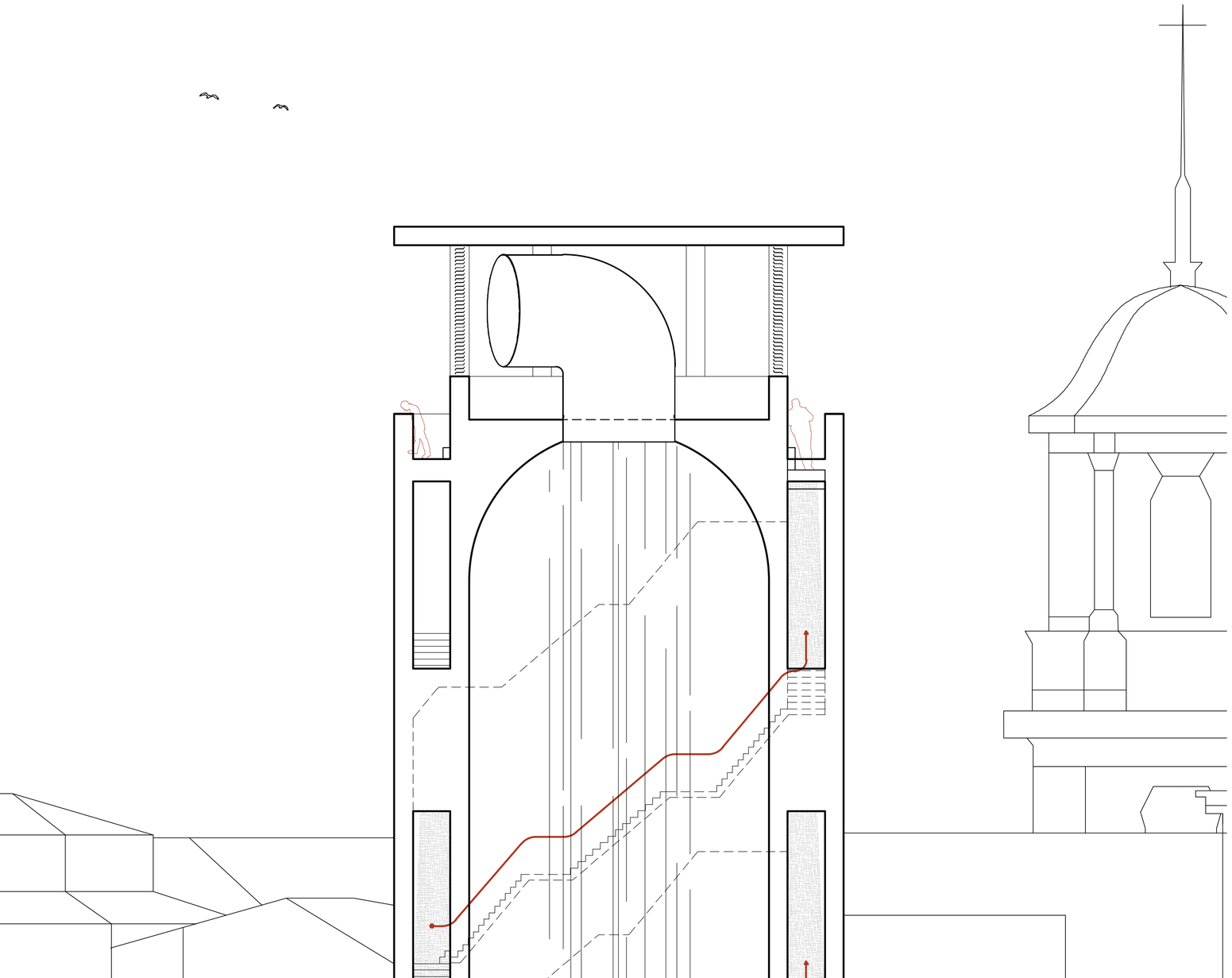




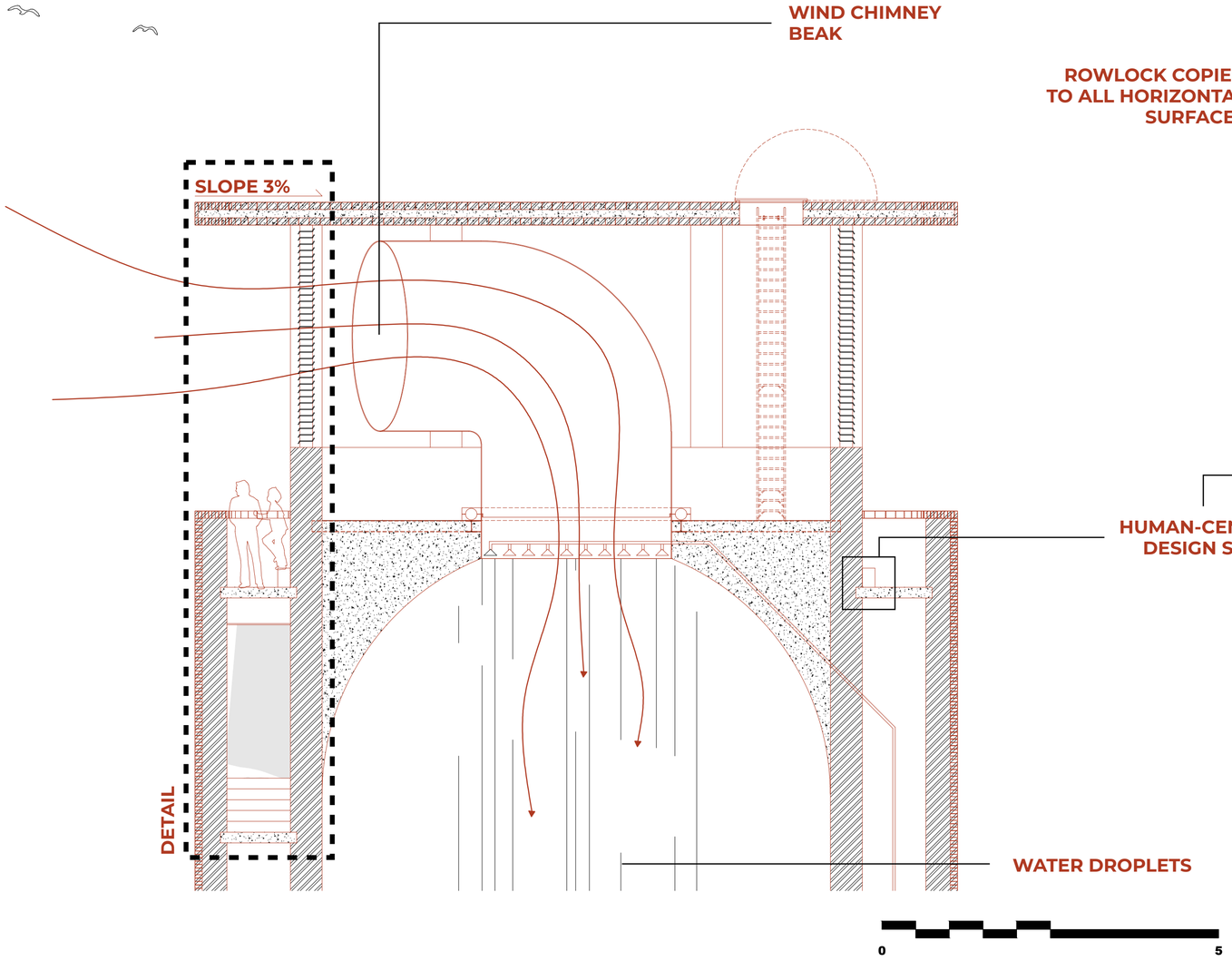
Route 1

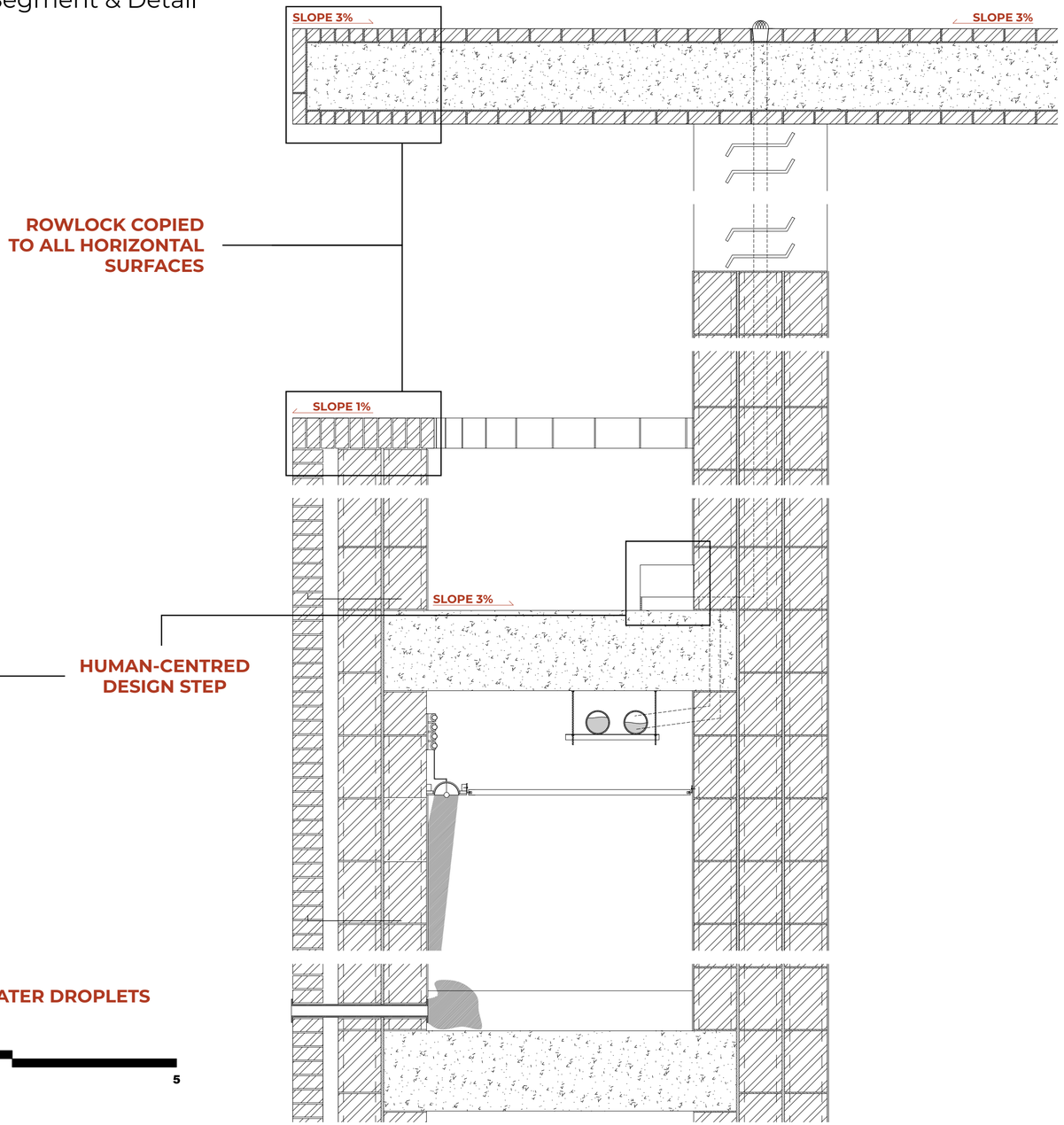




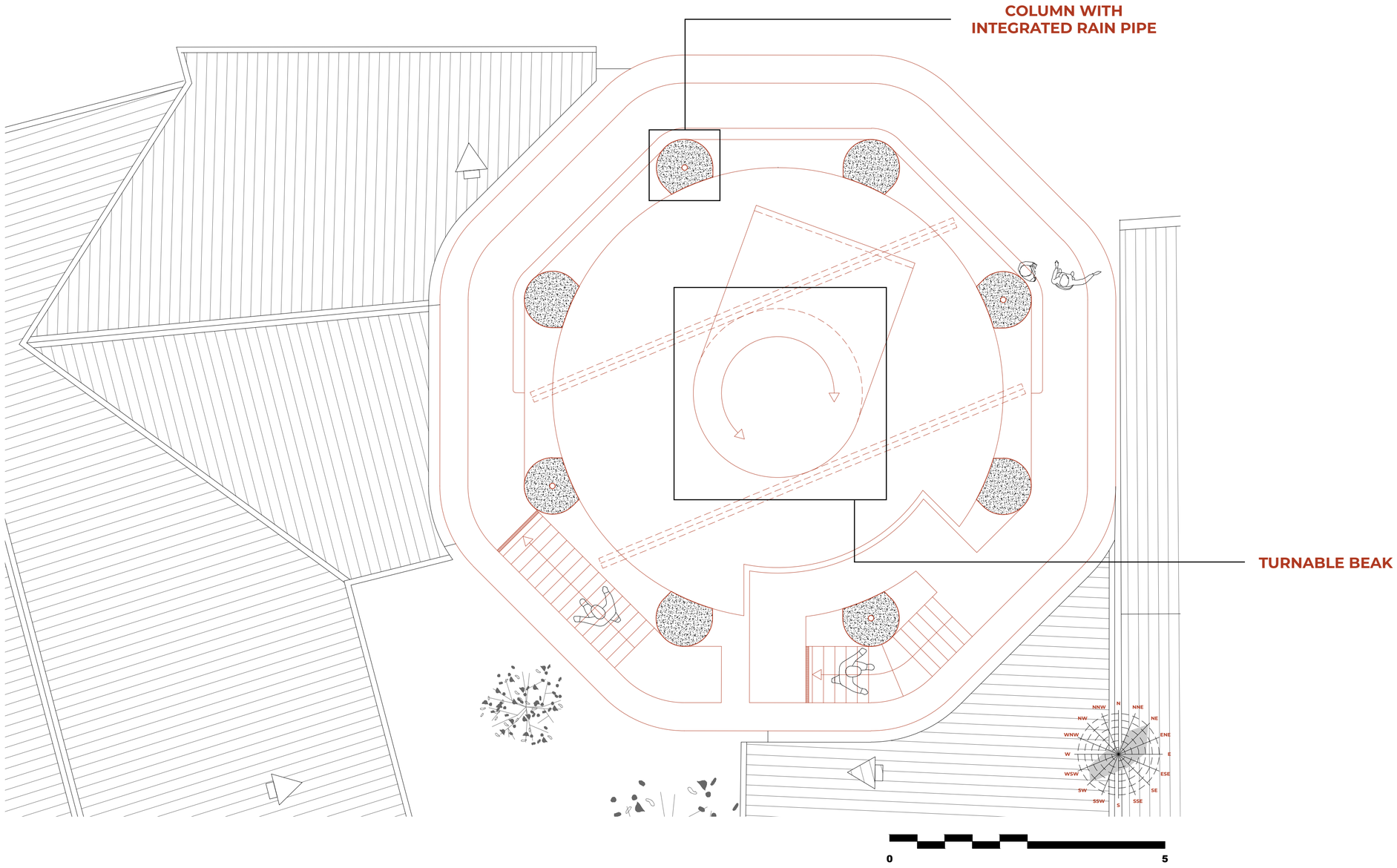


Climate Tower Top Segment & Detail

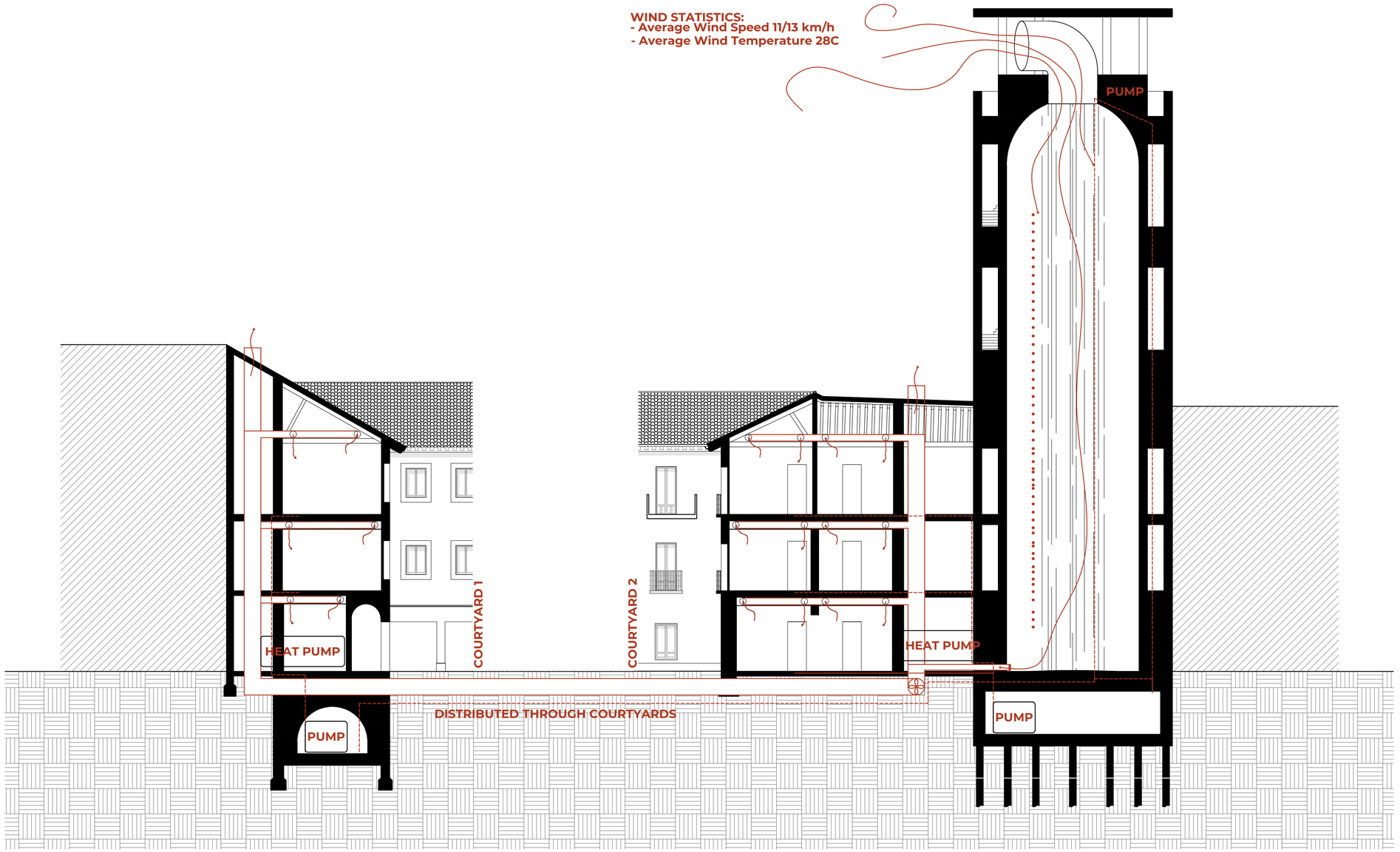




Climate Tower Top Horizontal Segment



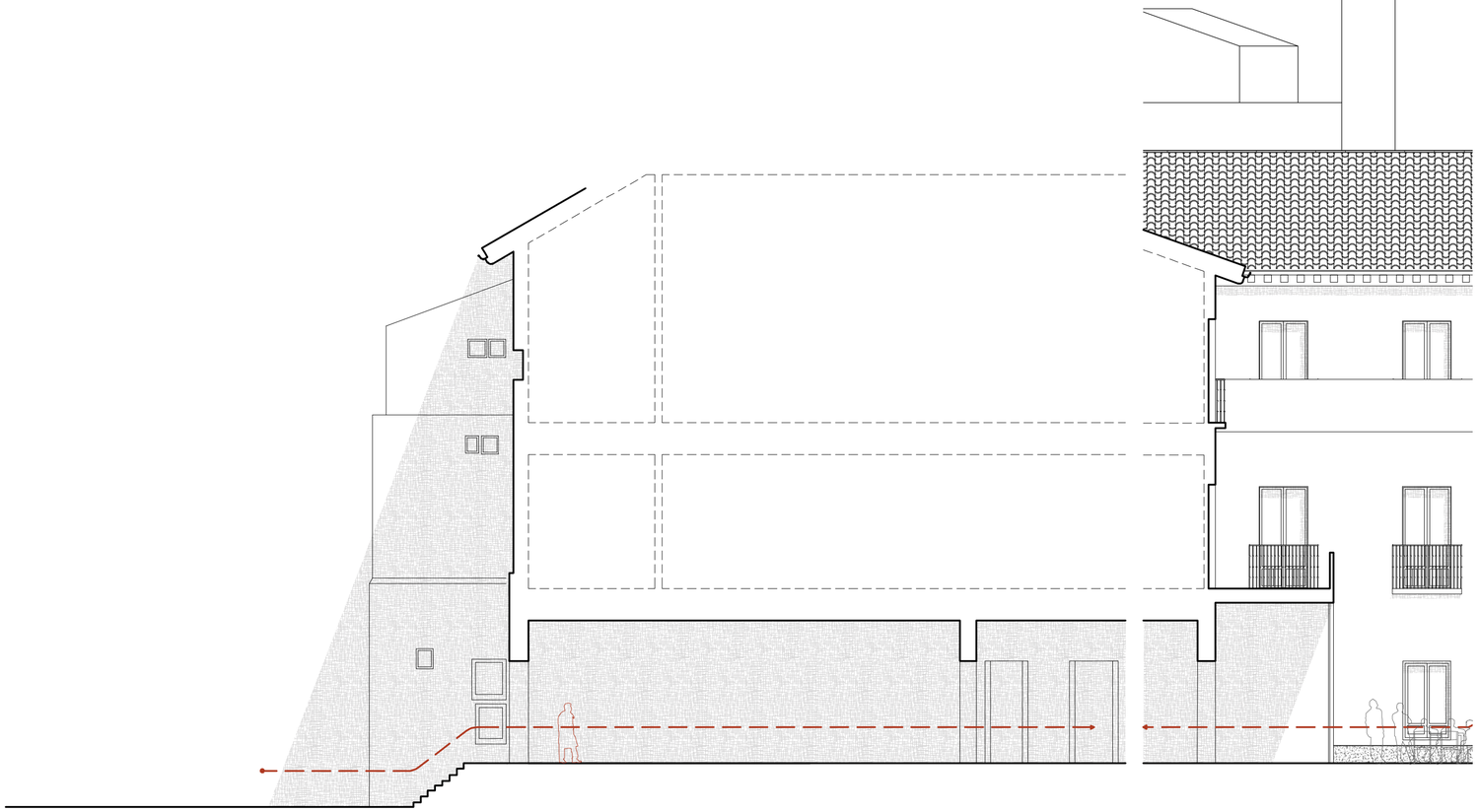
Climate Diagram

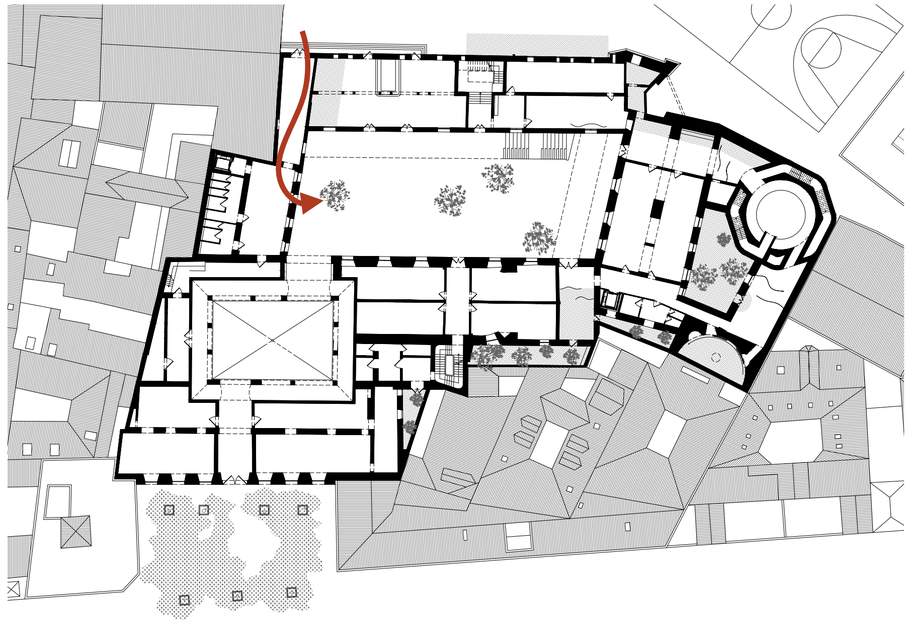


Route 2



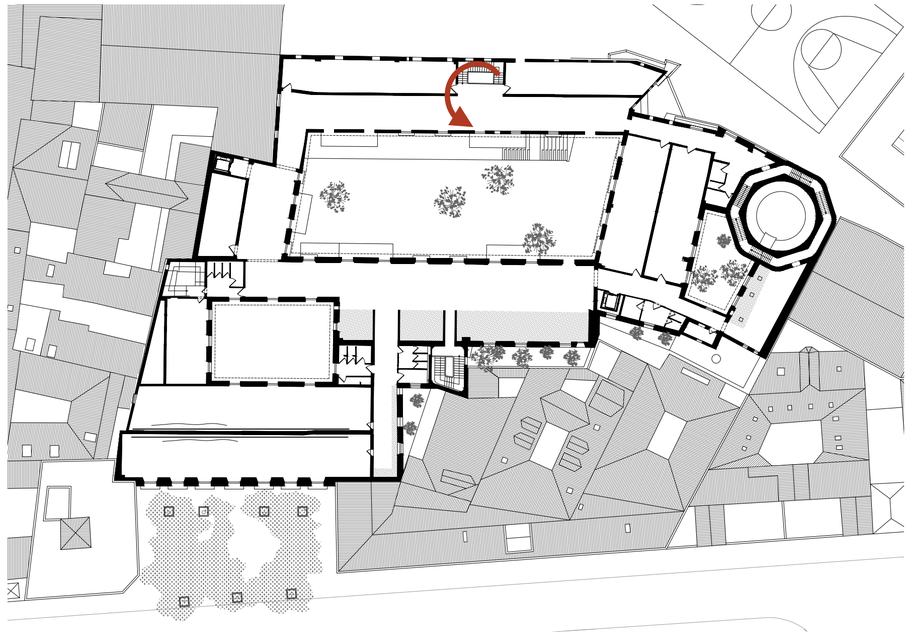
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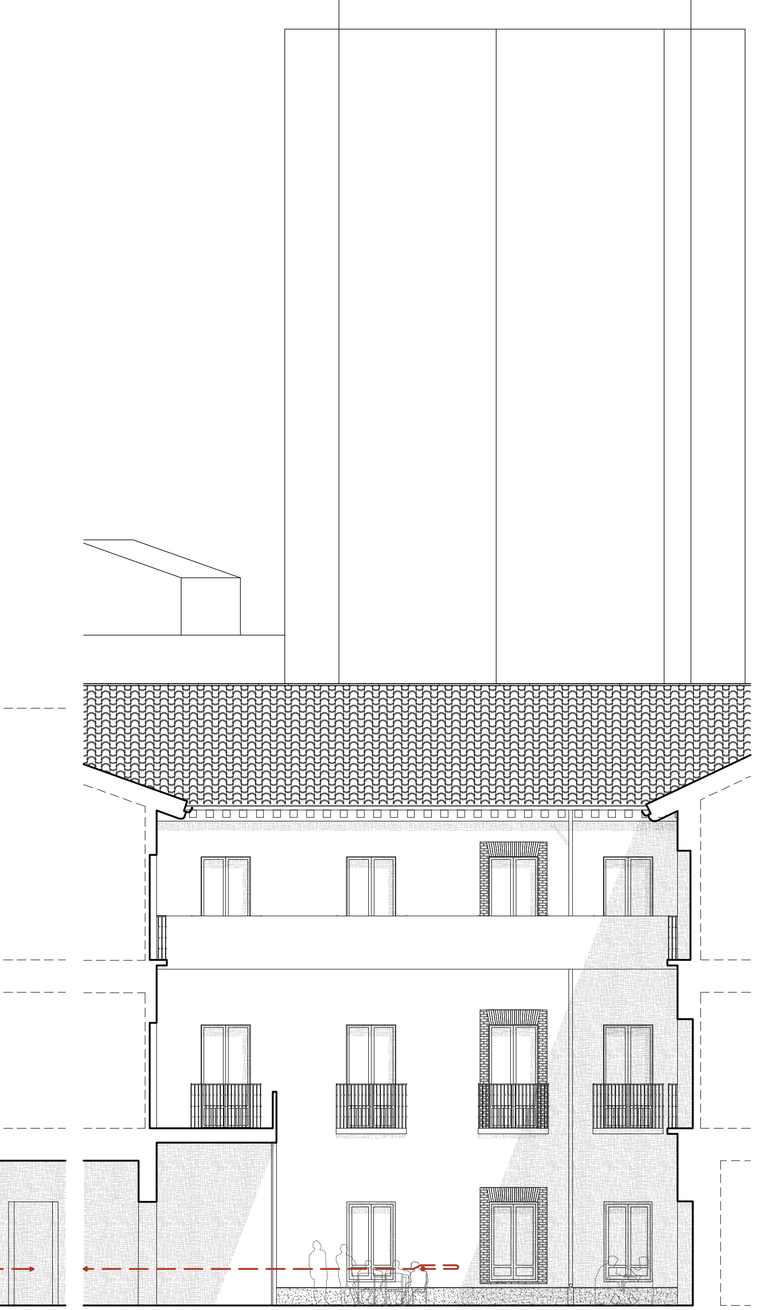


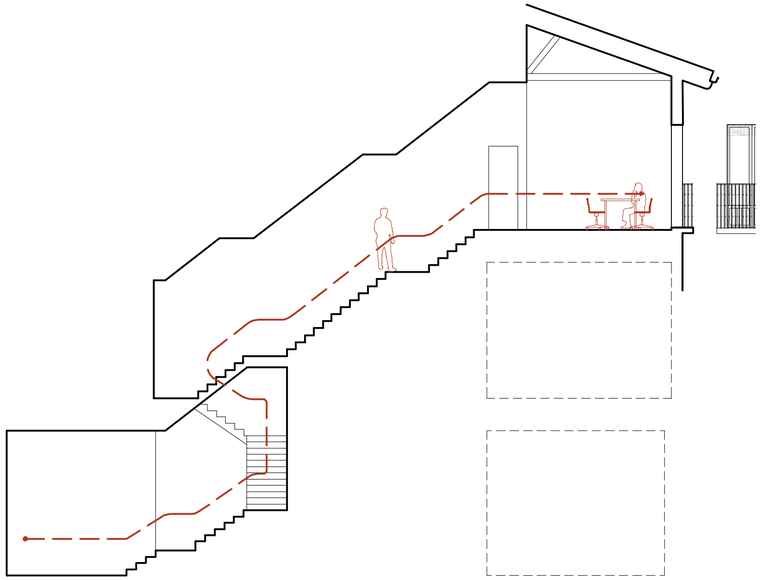


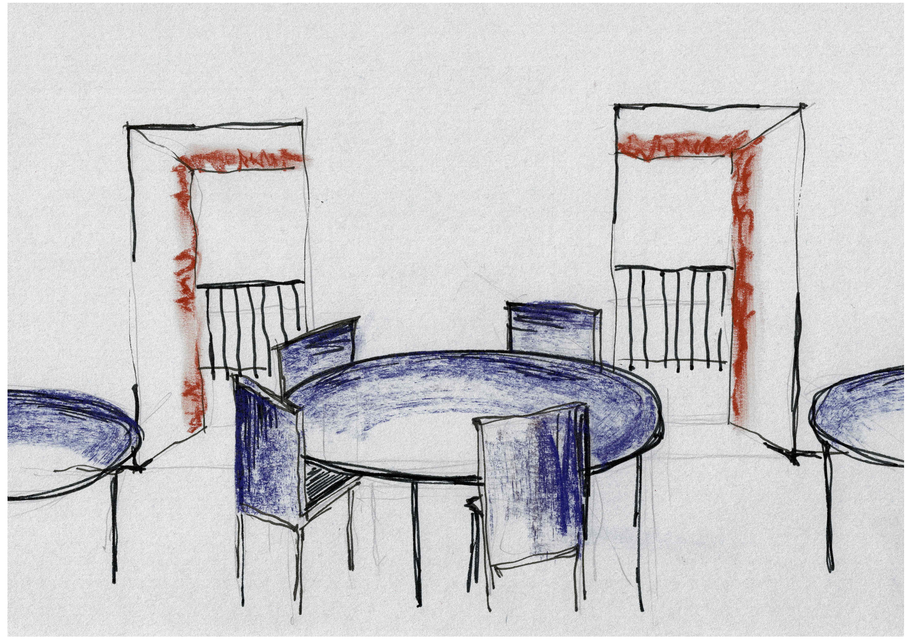


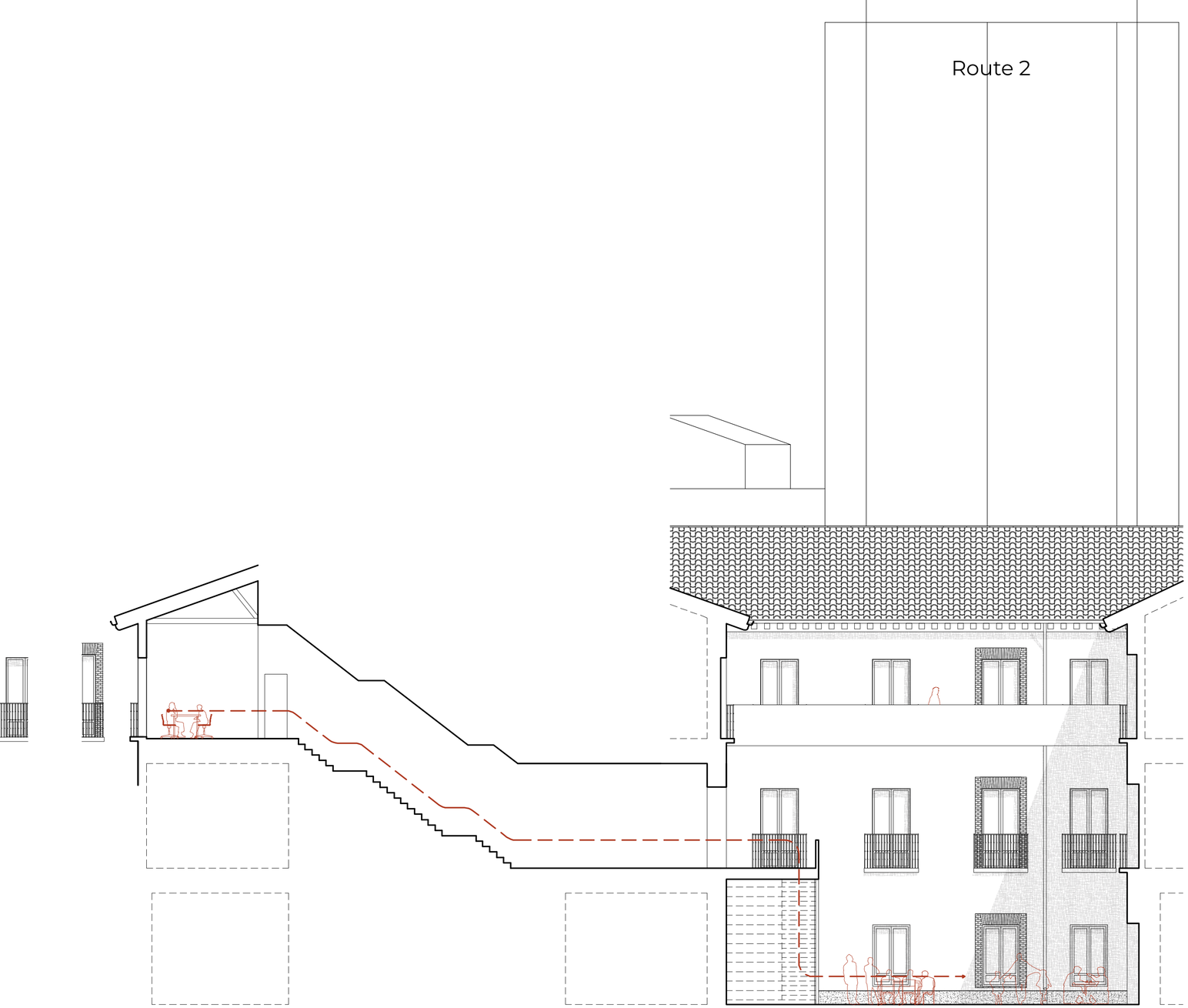
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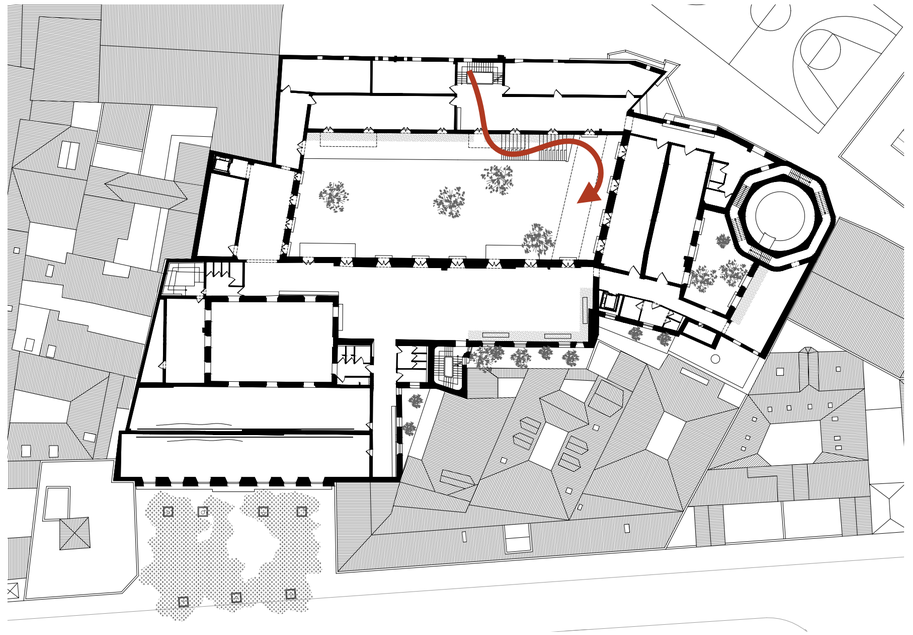






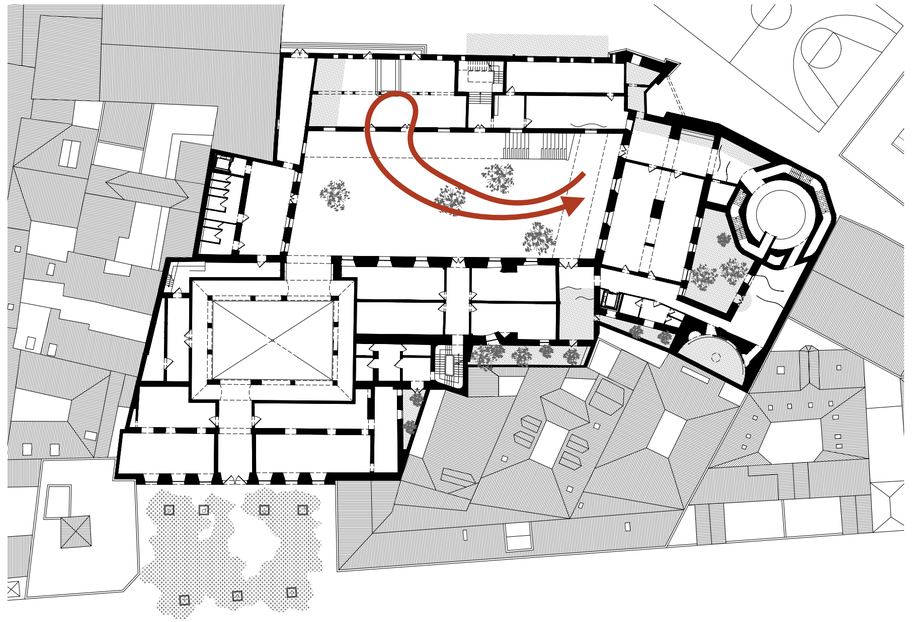



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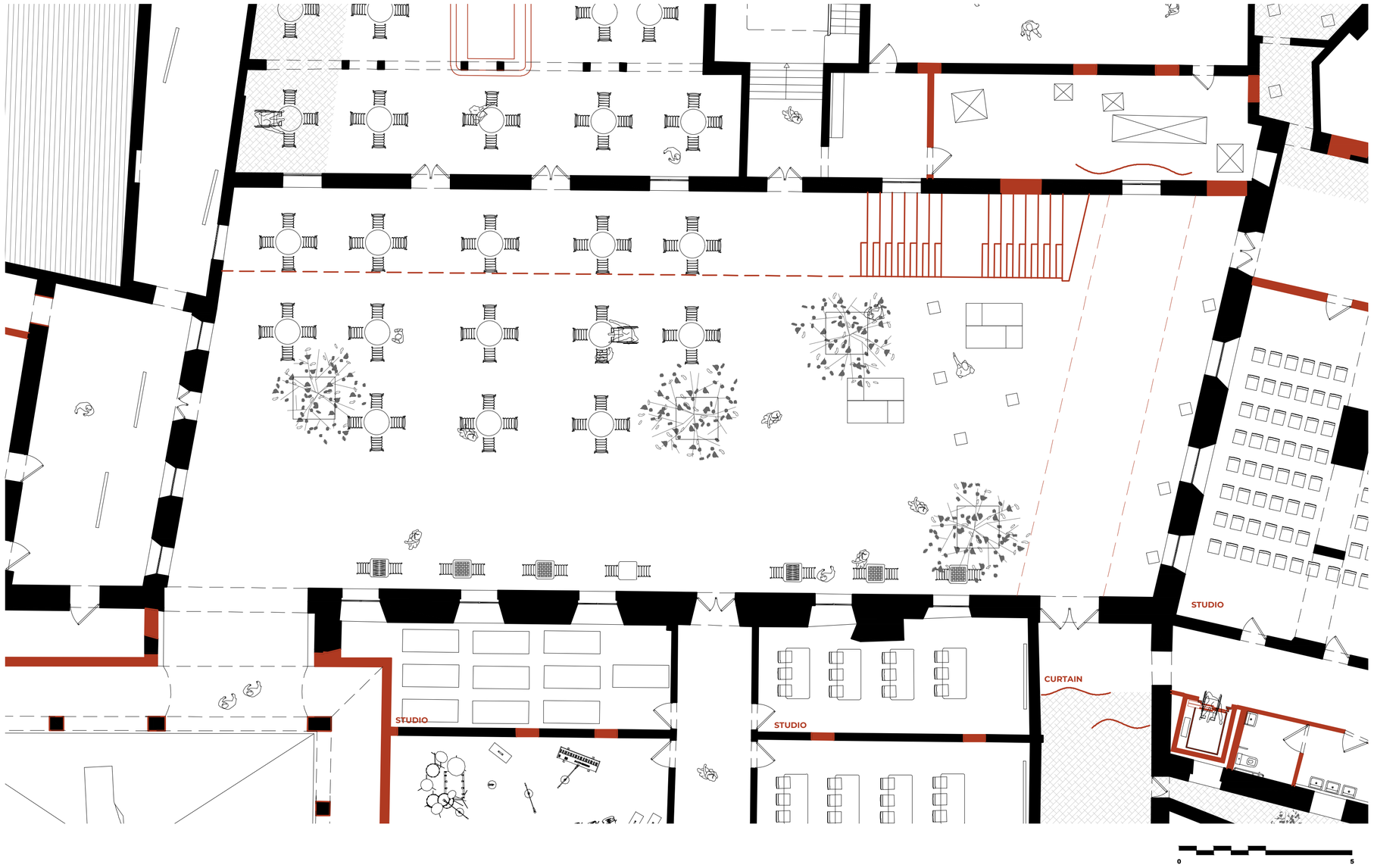



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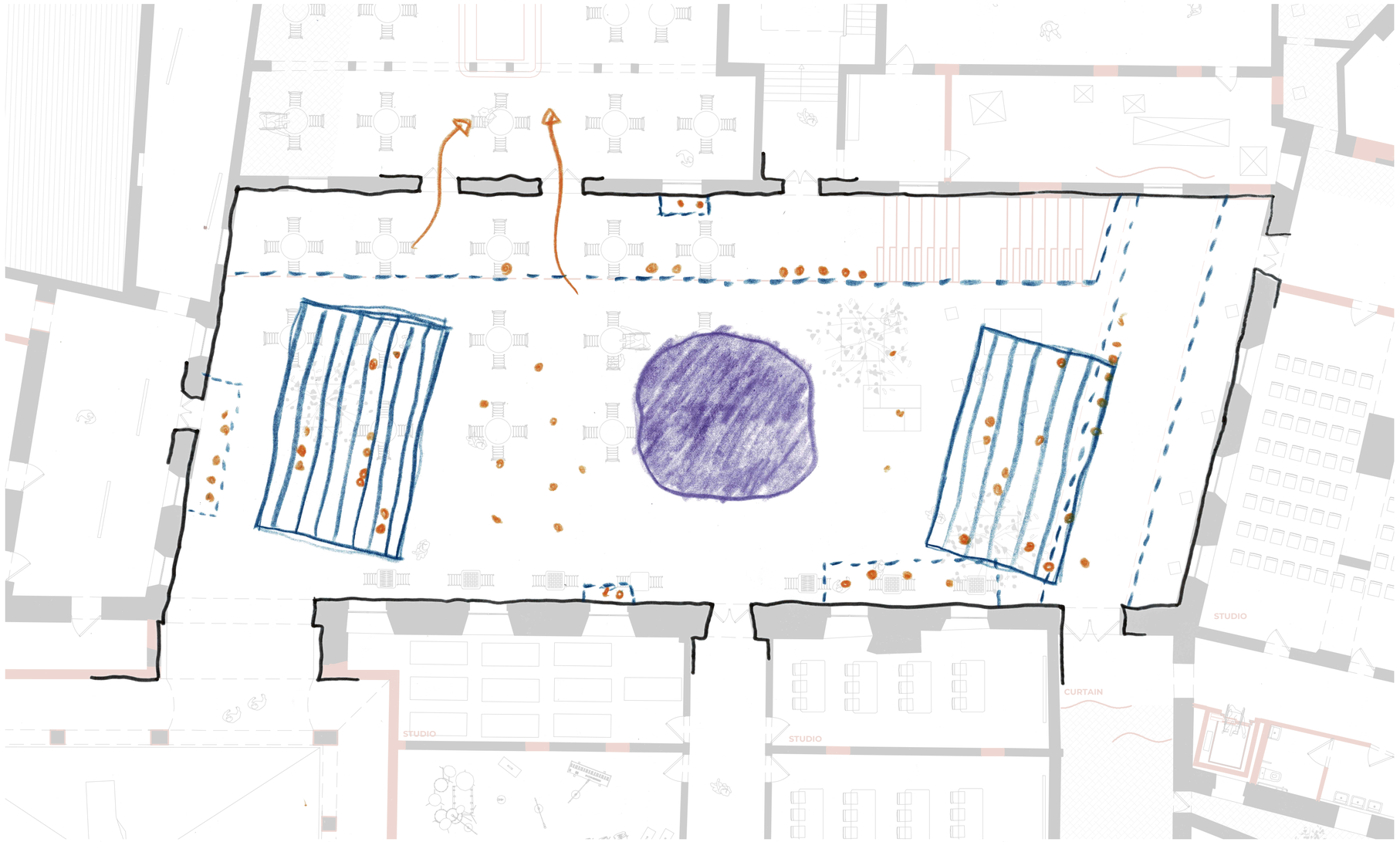




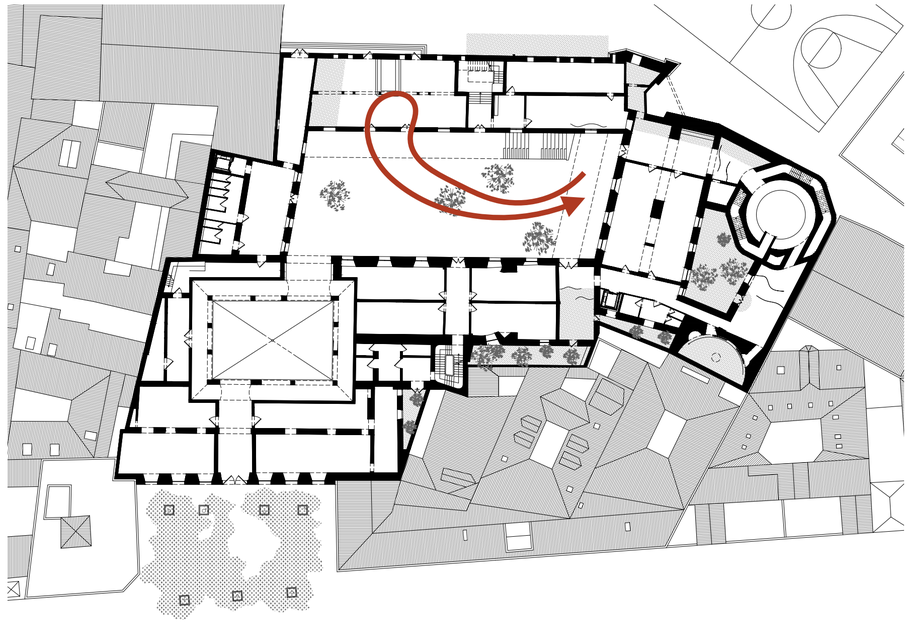
Flexibility of the Second Courtyard



Flexibility of the Second Courtyard



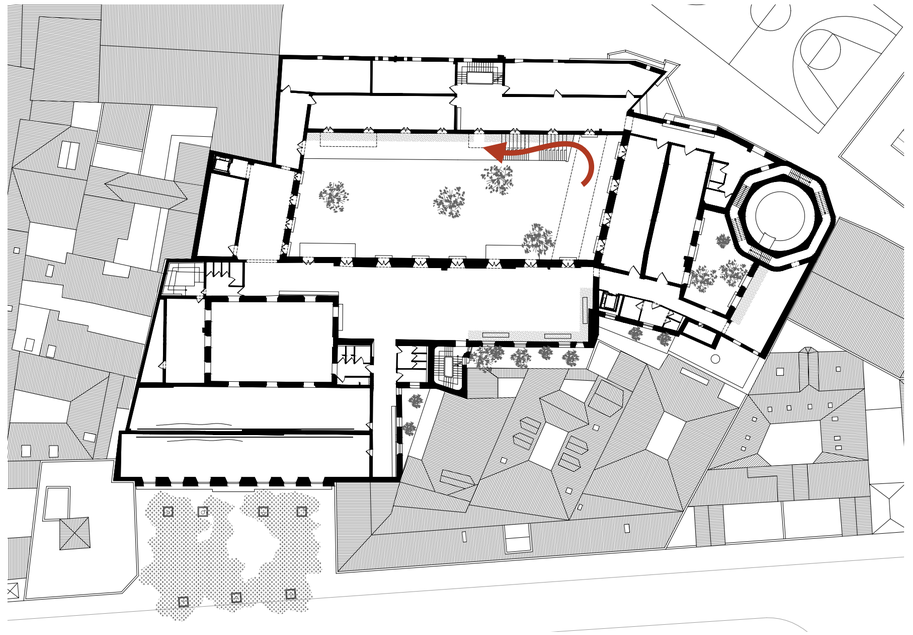

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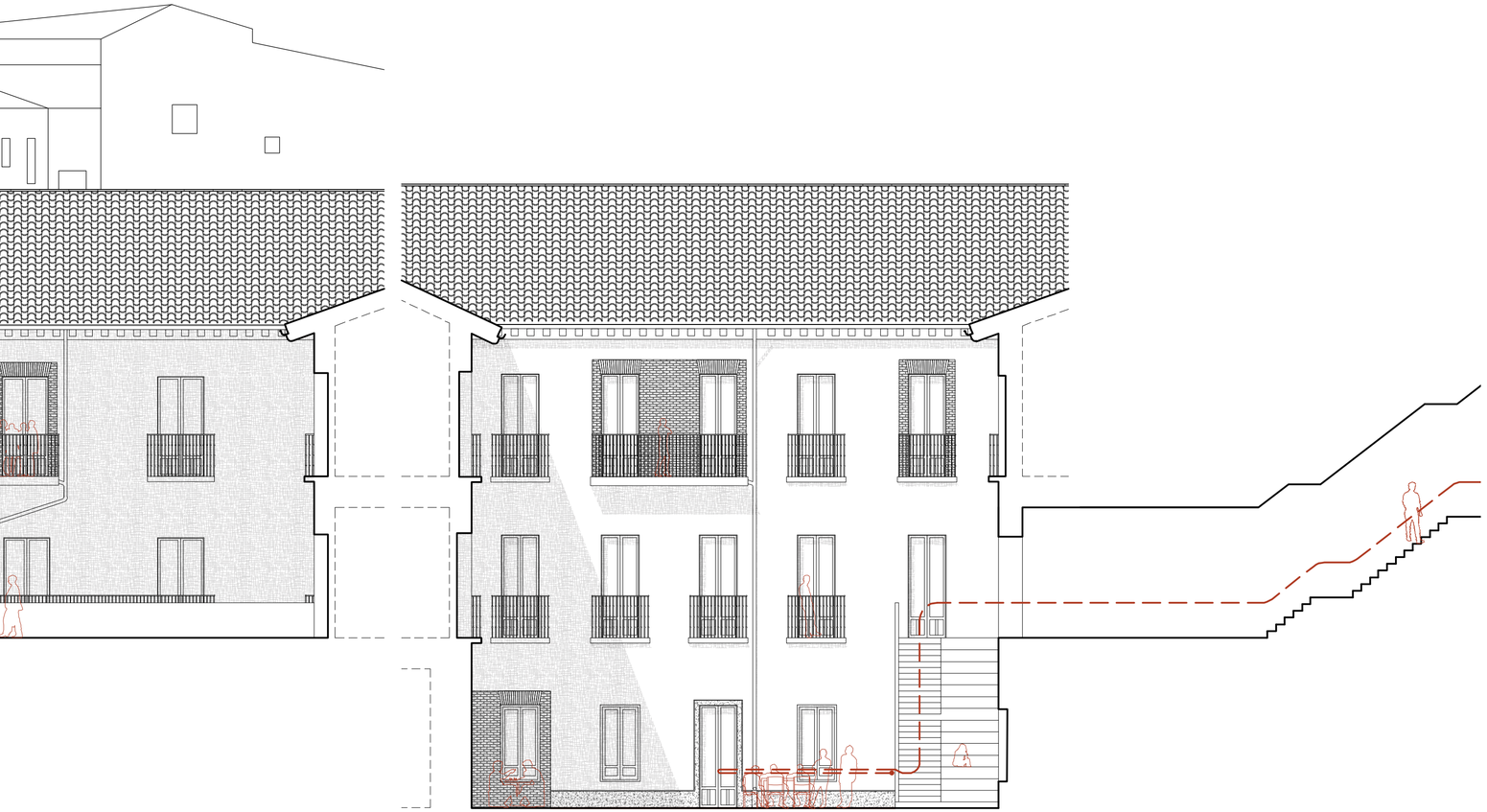
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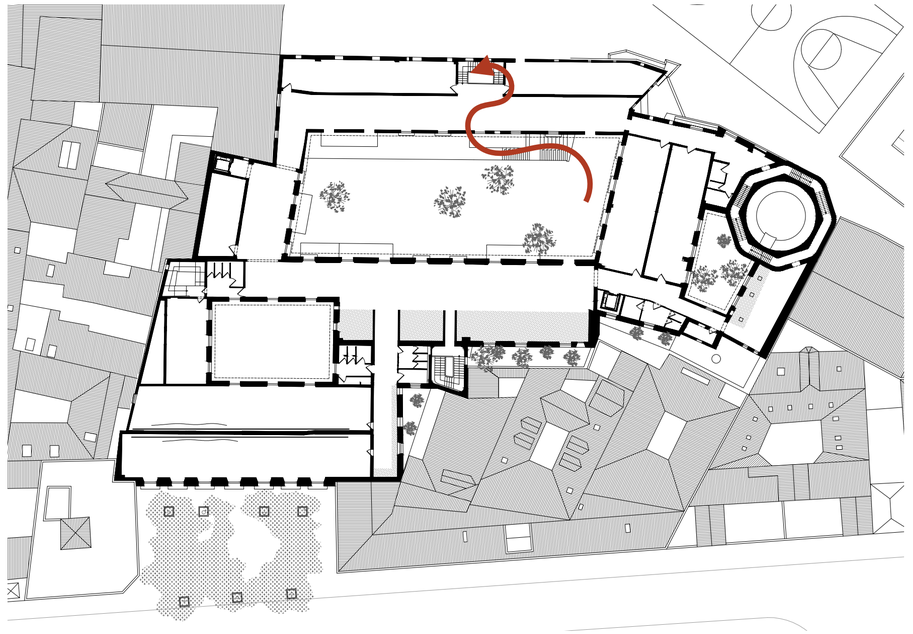




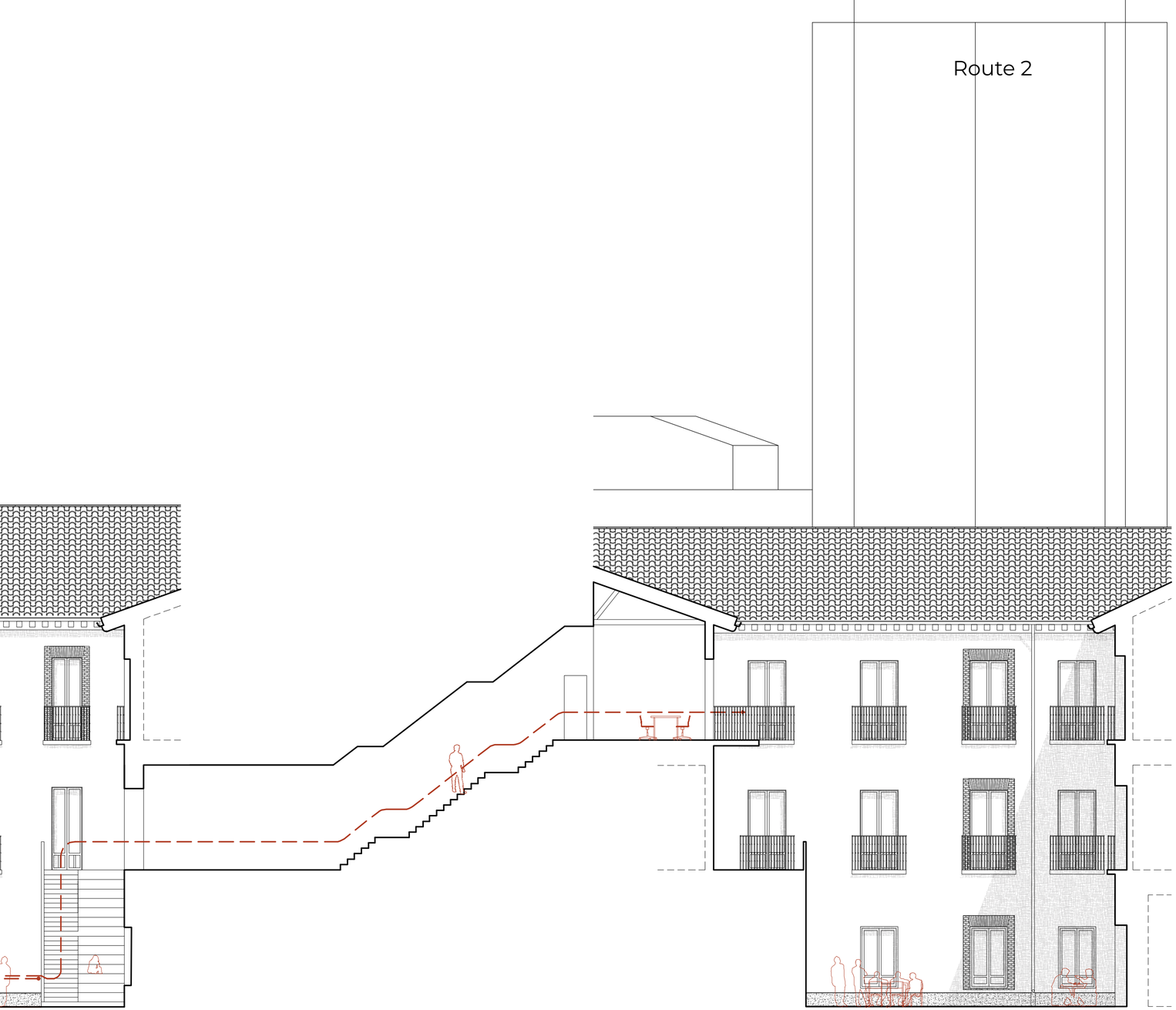


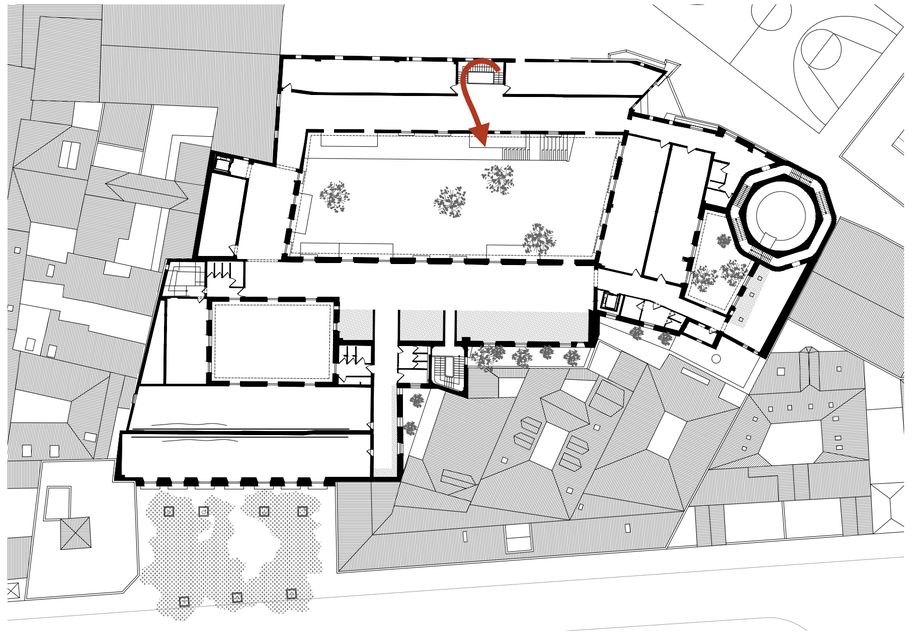
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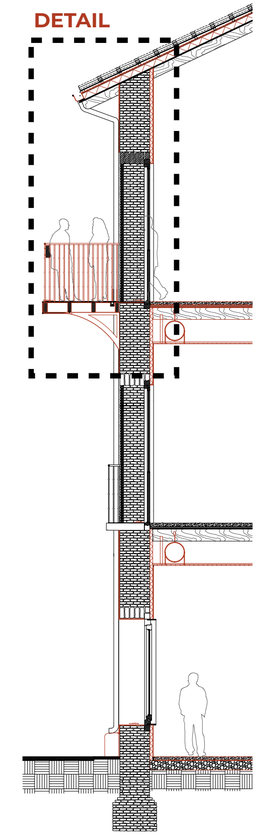

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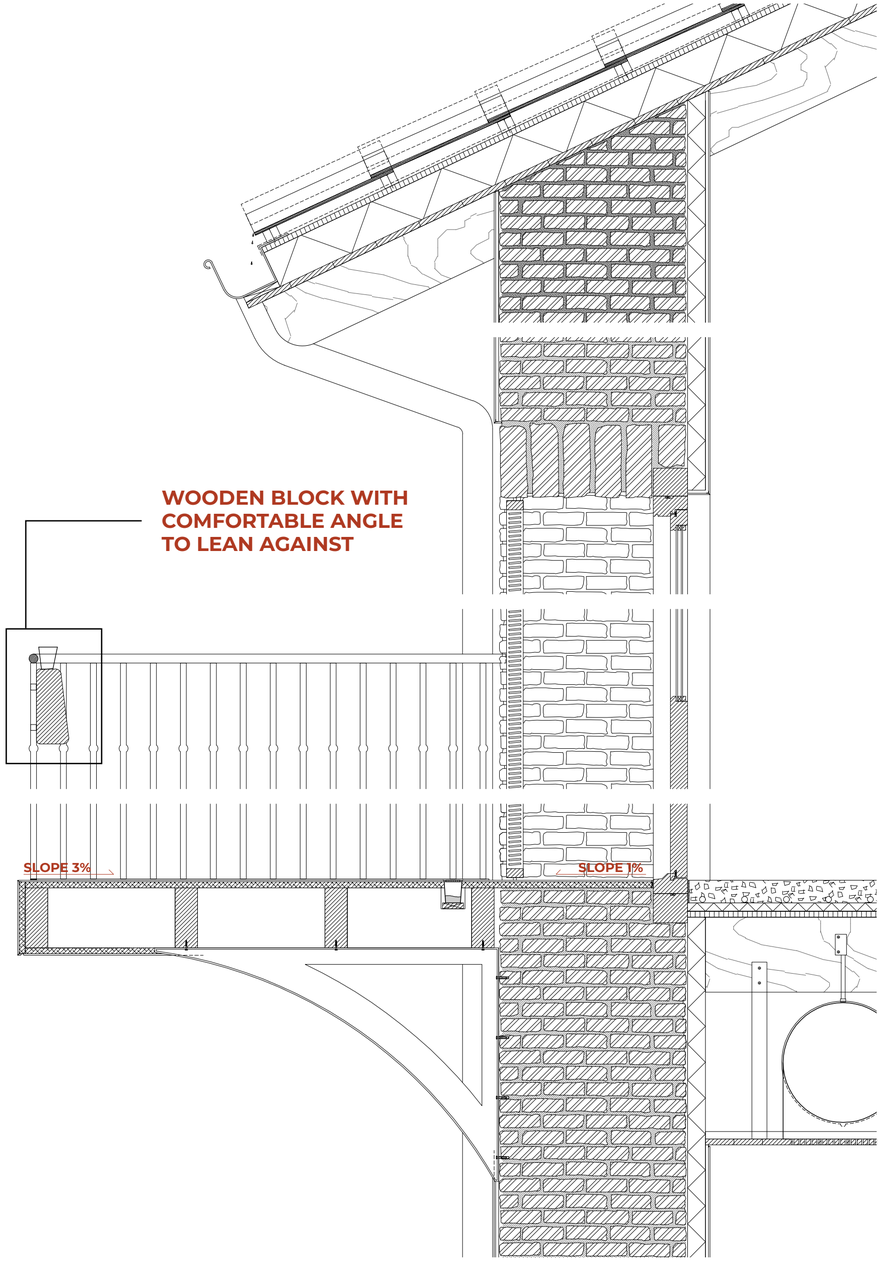


Facade Segment & Balcony Detail



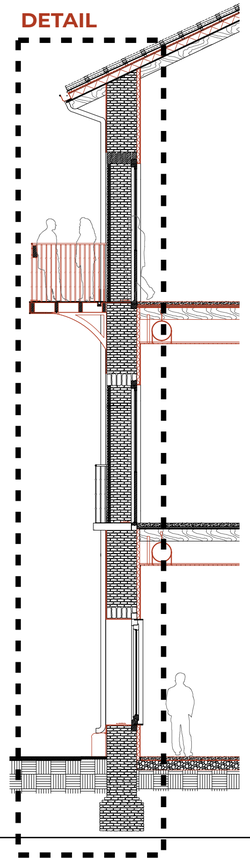




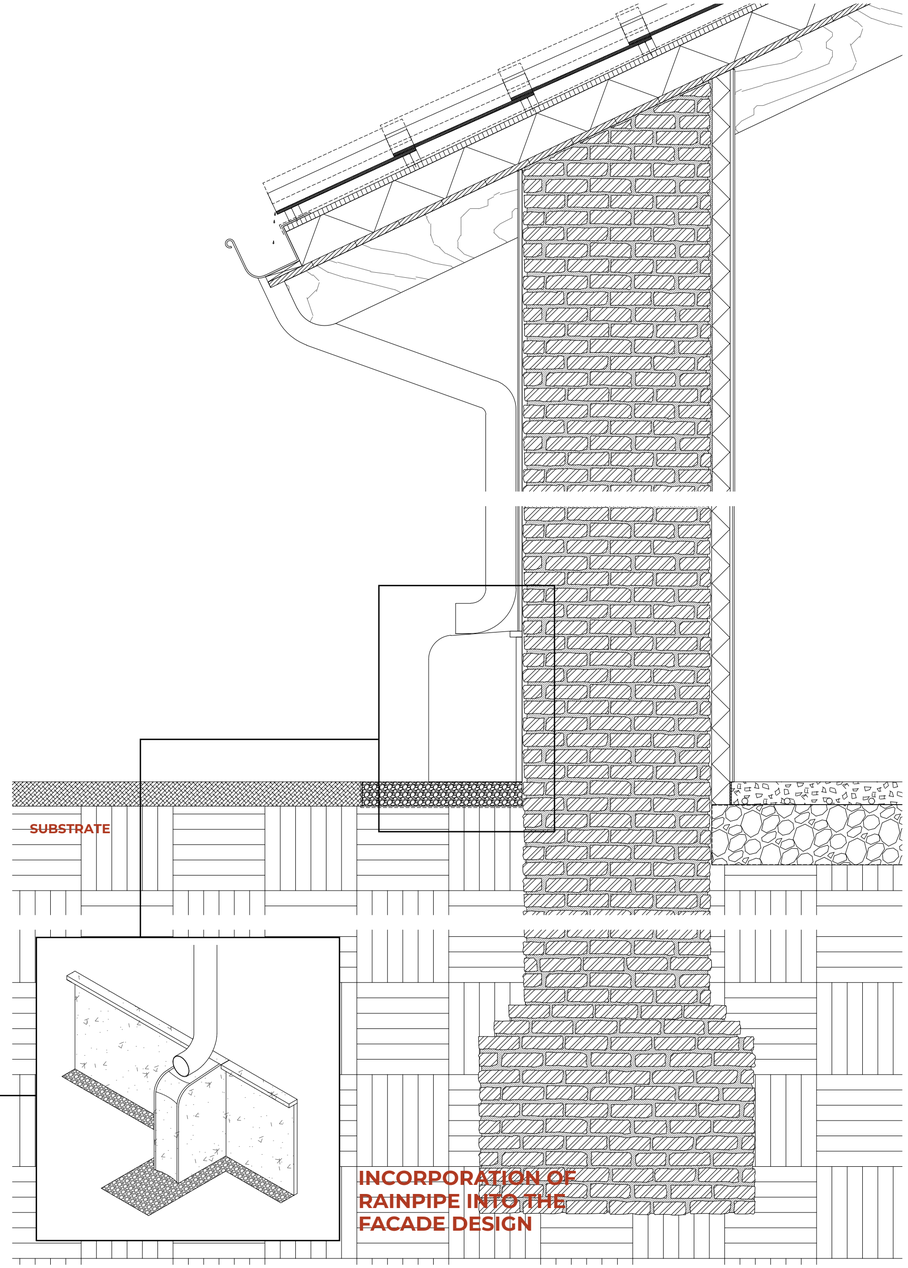


Facade Segment & Drainage Detail



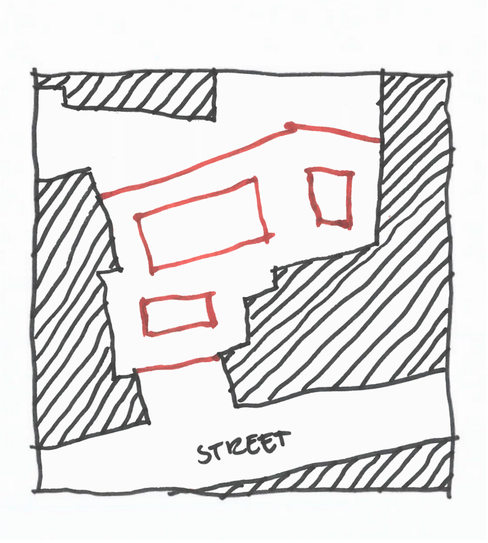




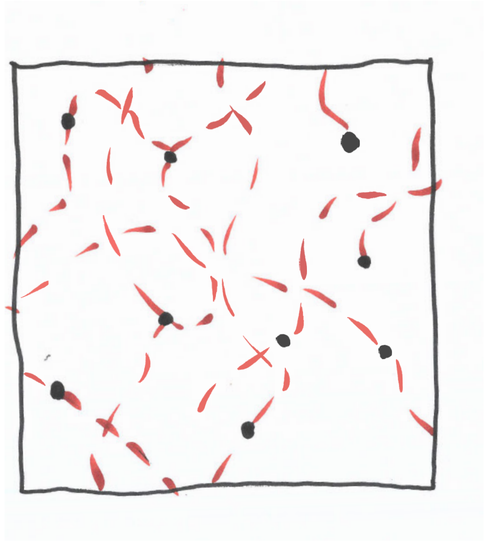


Conclusion

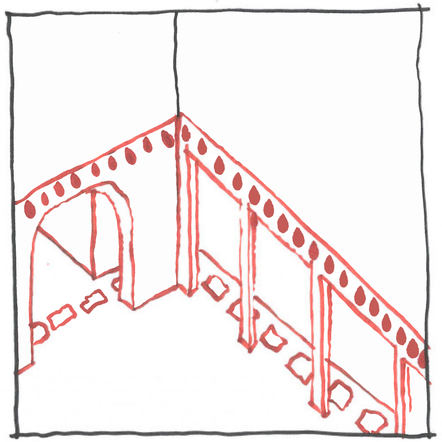
Interventions



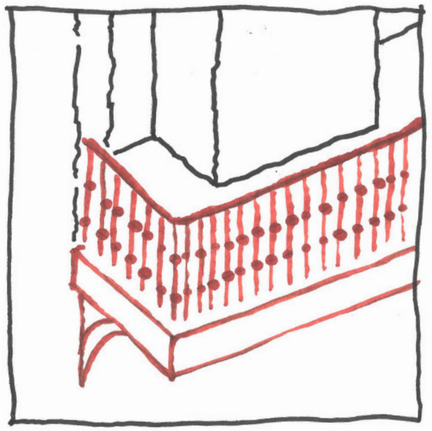
Facades



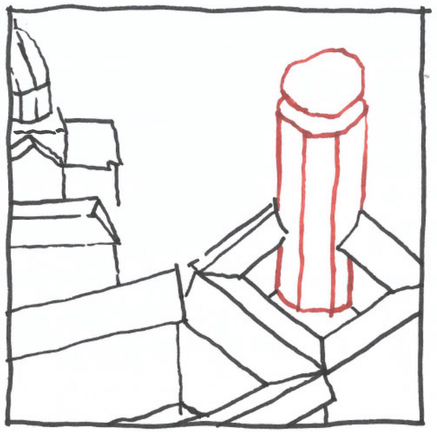
Routes in Plan



Colonnade

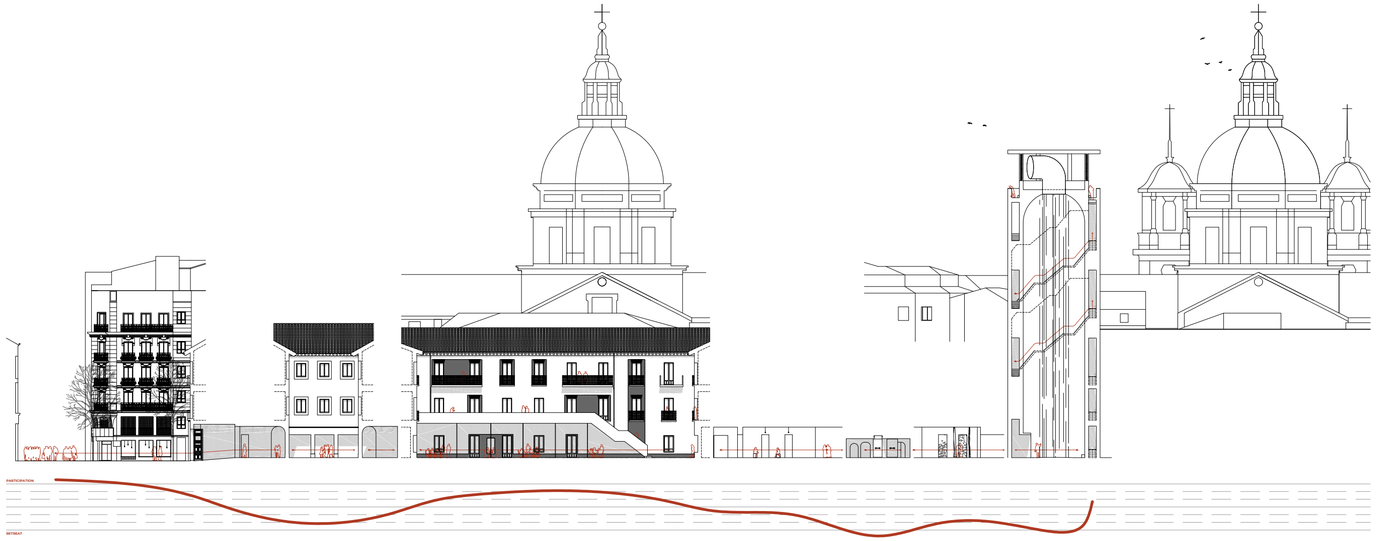


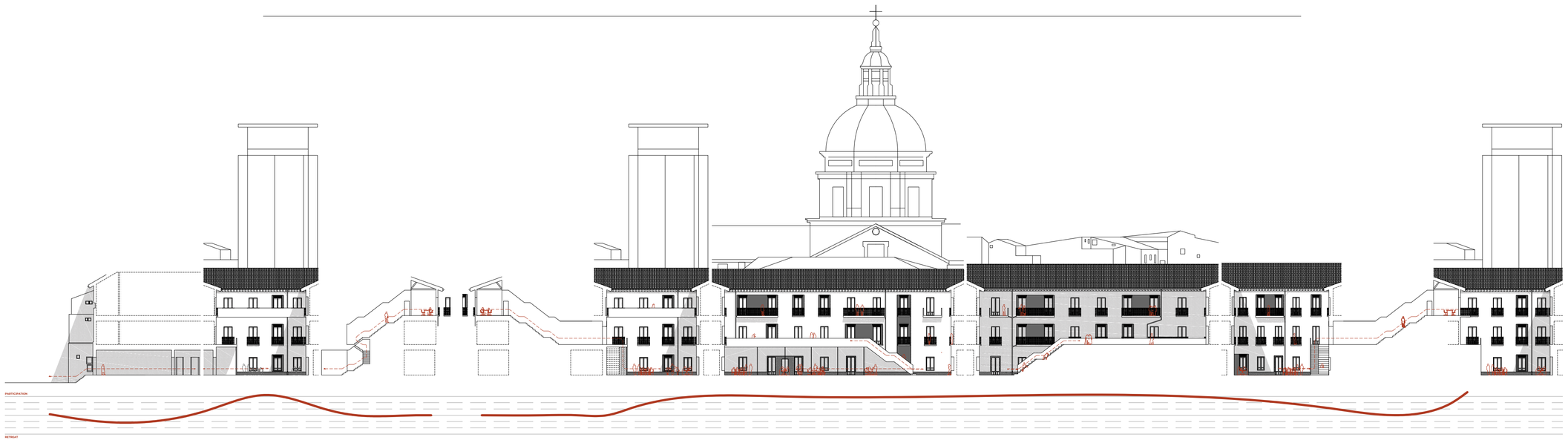
Bigger Balconies



Climate Tower

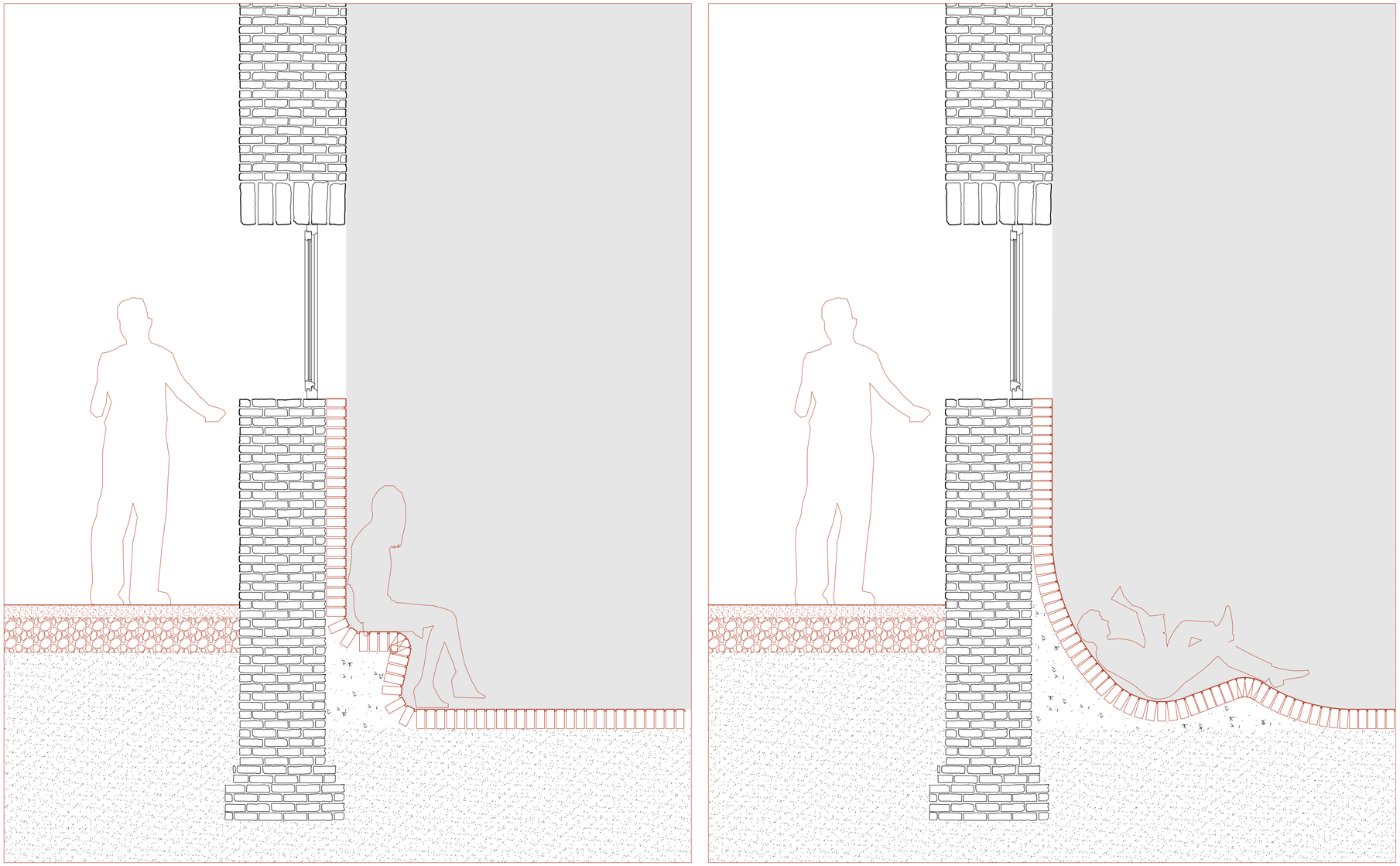
Routes



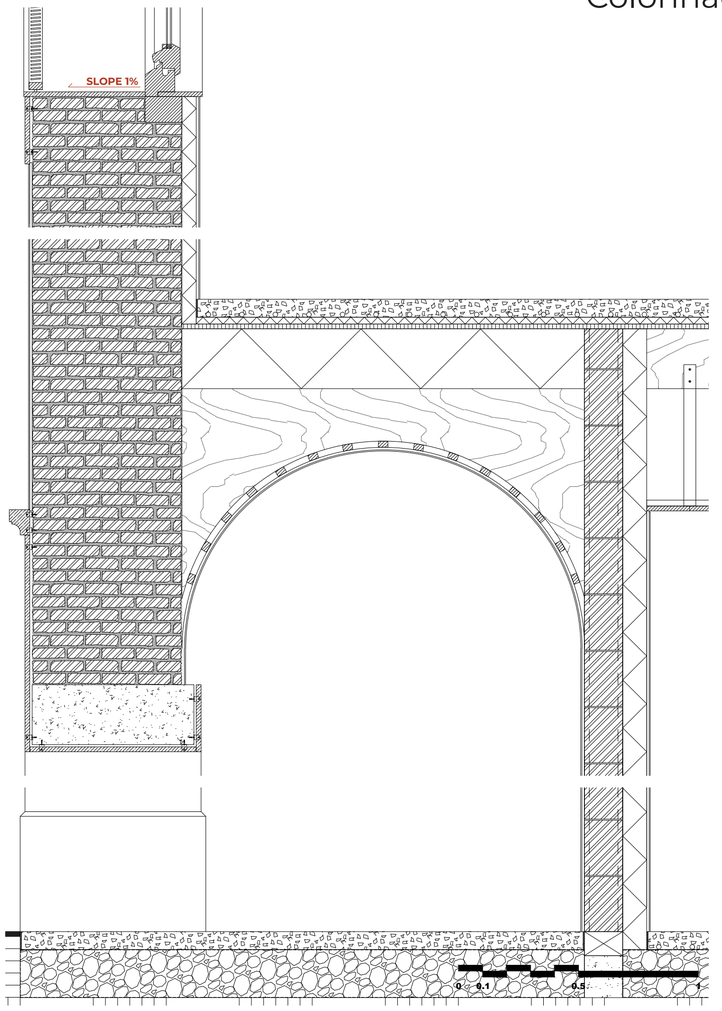



thank you

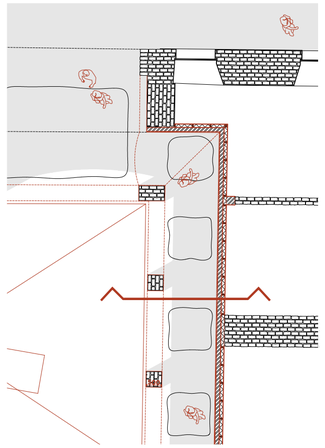
Facade Seats



Colonnade Detail 1:5

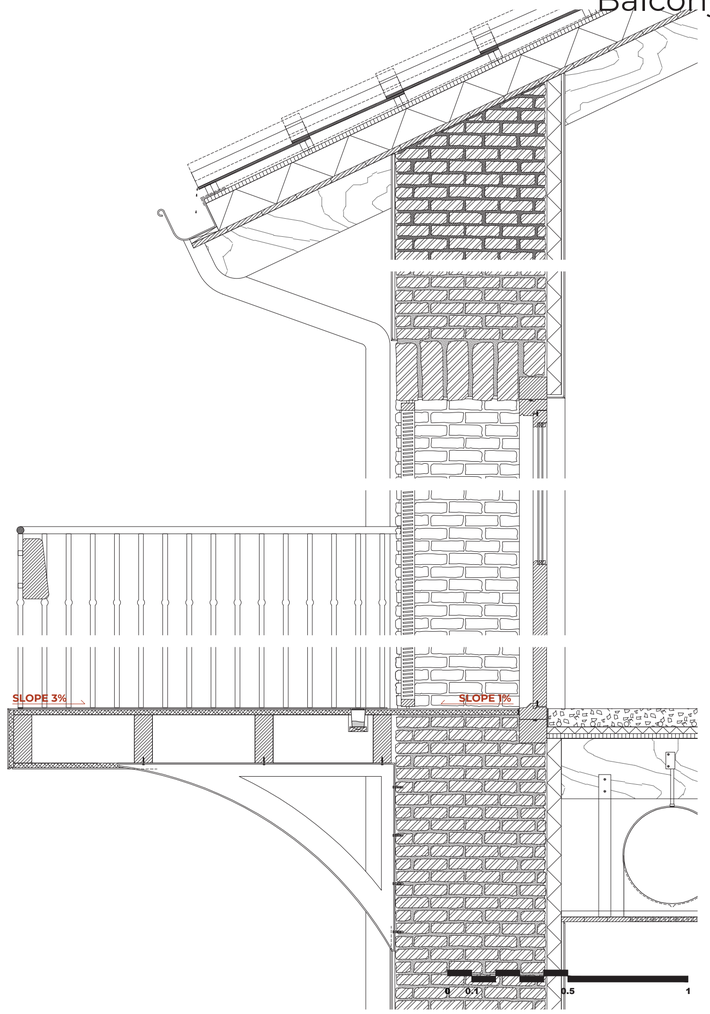


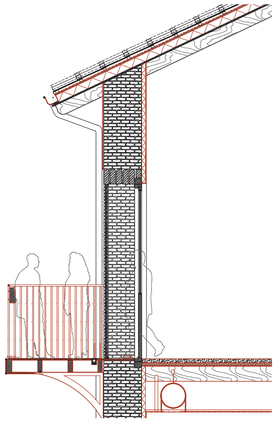




1. Existing Brick wall
2. Prefab Reinforced Concrete Lintel
3. Wooden ribs for the arch construction
4. Battens
5. Flexible Plaster Board
6. Wood Fiber Insulation
7. Granite Facade Tiles
8. Plaster
9. Lime Screed Floor with Brick Aggregate
10. Cork for Floor Expansion
11. Geocell Foam Glass Aggregate
12. System Ceiling Cavity for Electricity and Ventilation shafts
13. Repurposed Floorboards

Balcony Detail 1:5

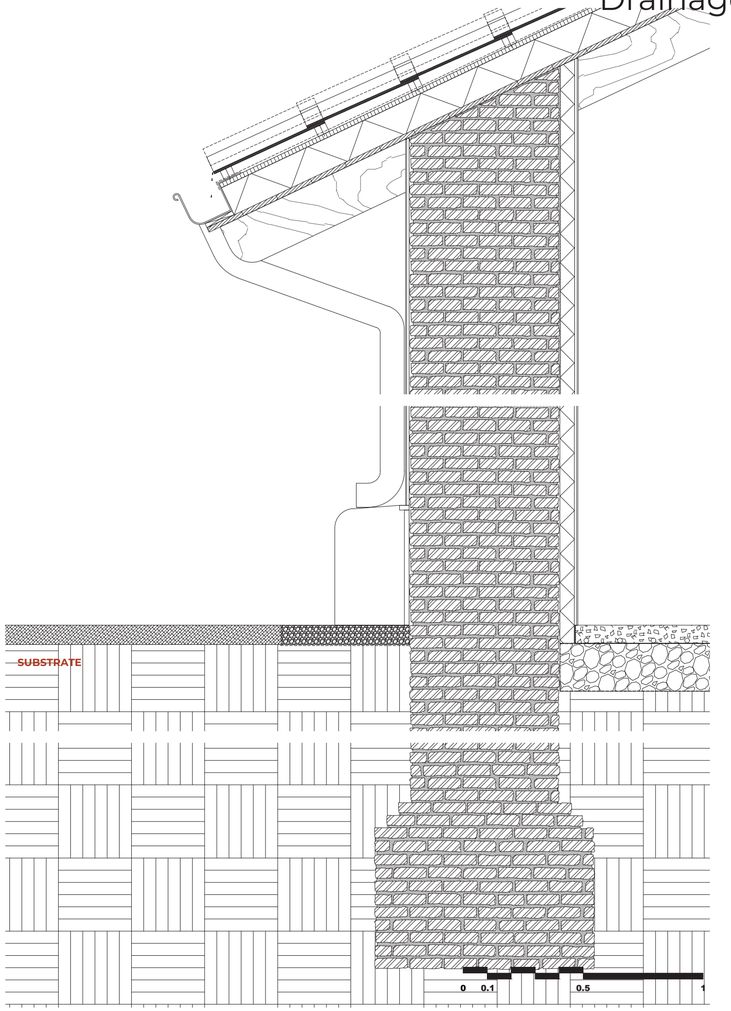


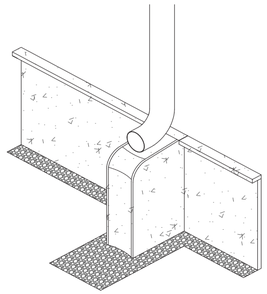




1. Existing Brick Wall
2. Exposed Brick Lintel
3. Raw Steel Balustrade (clear coated)
4. Wooden Torsion Box
5. Gutter
6. Raw Steel Bracket (clear coated)
7. Wood Fiber Insulation
8. Lime Screed Floor with Brick Aggregate
9. Cork for Floor Expansion
10. System Ceiling Cavity for Electricity and Ventilation shafts
11. Repurposed Floorboards
12. Plaster

Drainage Detail 1:5



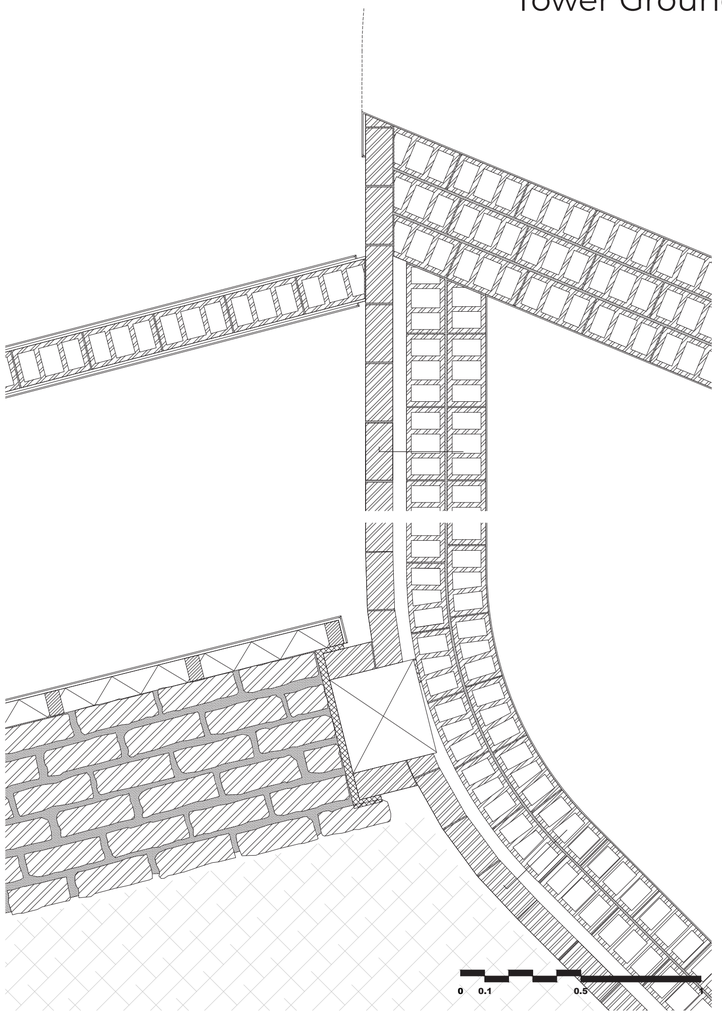


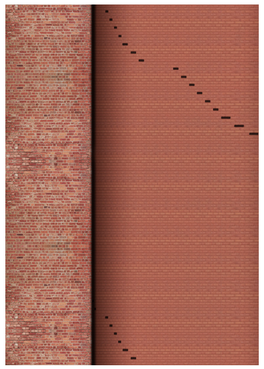


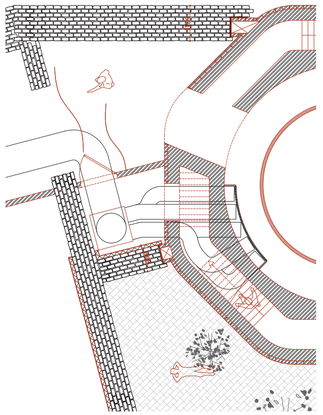
Block

1. Plaster
2. Existing Brick Wall
3. Rain Pipe
4. Wood Fiber Insulation
5. Lime Screed Floor with Brick Aggregate
6. Cork for Floor Expansion
7. Geocell Foam Glass Aggregate
8. Gravel case
9. Dolomiti
10. Granite Drainage

Tower Ground Floor Detail 1:5

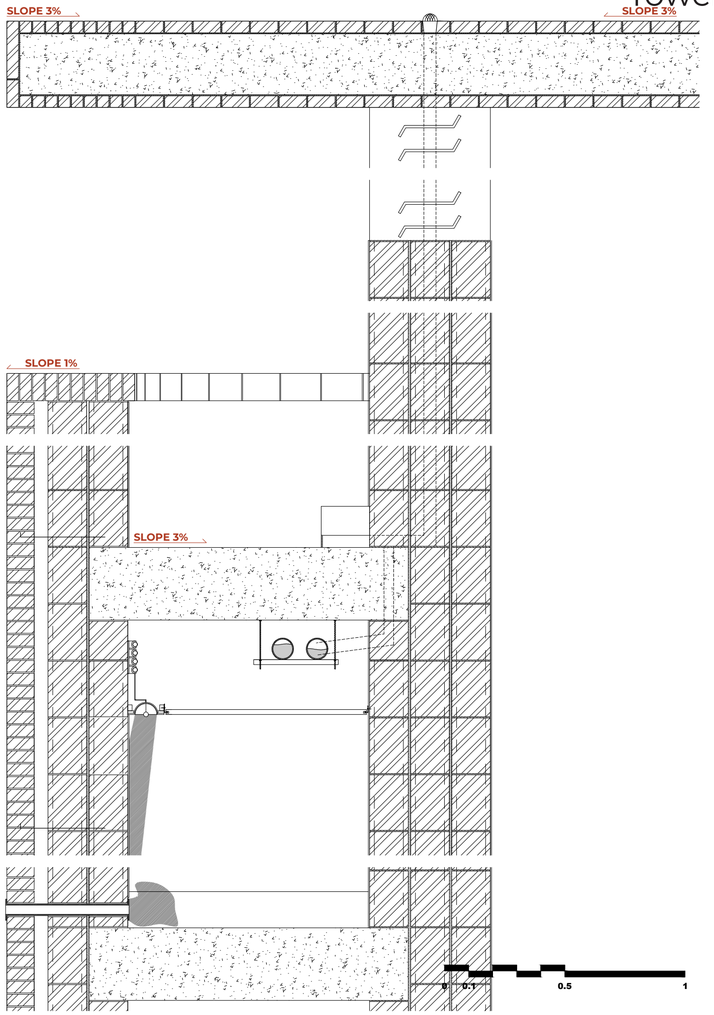




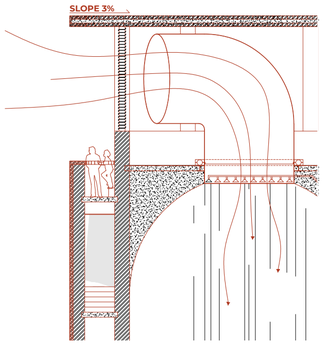


1. Existing Brick wall
2. Wood Fiber Insulation
3. Cold Bridge Interruption
4. Neoprene as Expension Seam
5. Shadow Seam with view on new Brick
6. Toned Cement Finish
7. Hollow Brick
8. Wall Tie

Tower Top 1:5







1. Prefab Reinforced concrete slab with grippy surface
2. Faux Brick Soldier-Course
3. Water Pipe
4. Hollow Brick
5. Prefab Reinfoced Toned staircase
6. System Ceiling Cavity for Water Pipes and Electricity
7. Black Ceiling Panels
8. Stainless Steel
9. Wall Tie
10. Light Fixture (4000K)
11. New Brick
12. Toned Cement
13. Rainwater inlet



