

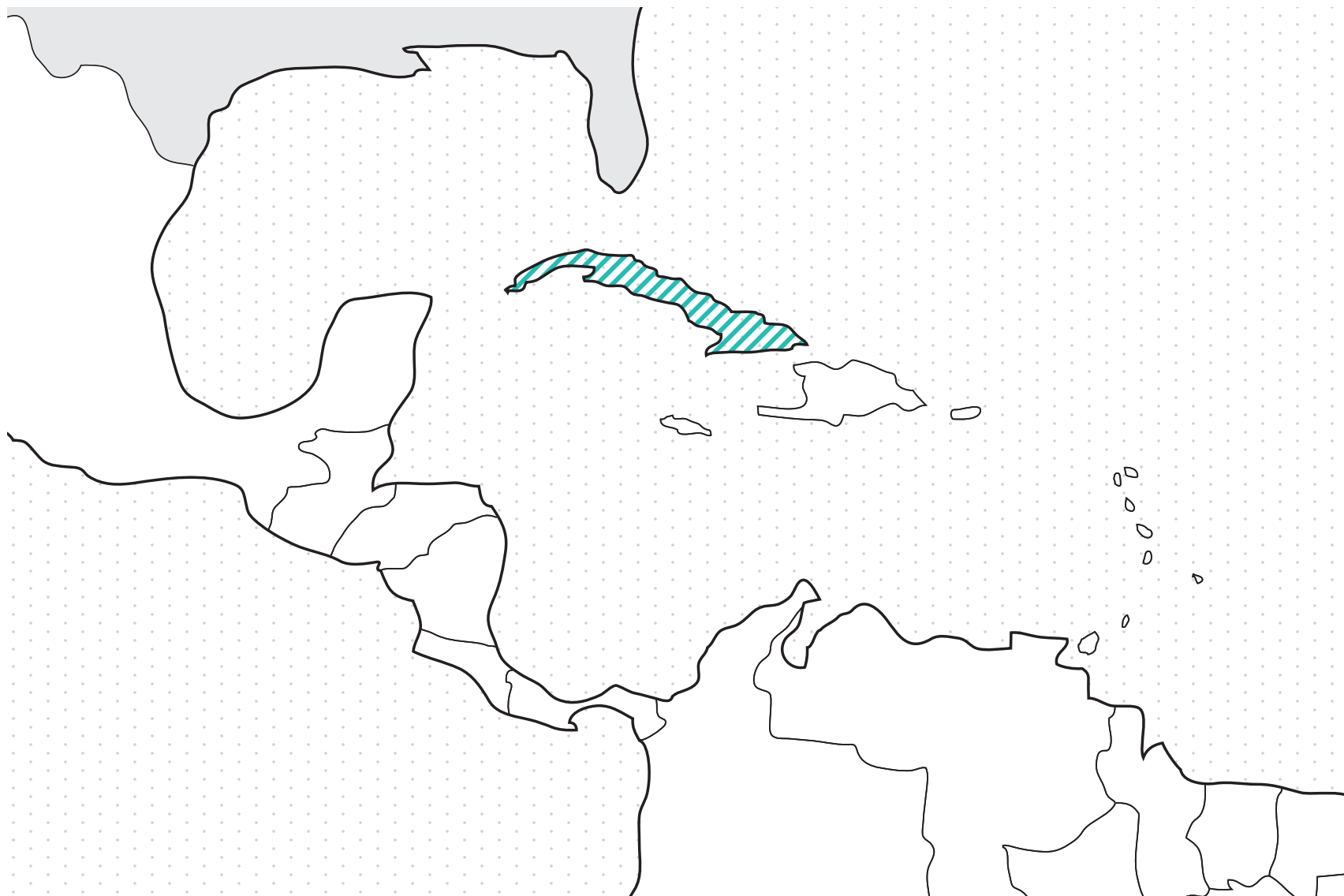
EMPOWERING THE NEXT GENERATION

JEROEN DE NIES

24 / 05 / 2017

P4





TRIP CONCLUSION





PRO ATHLETE



DOCTOR



TEACHER





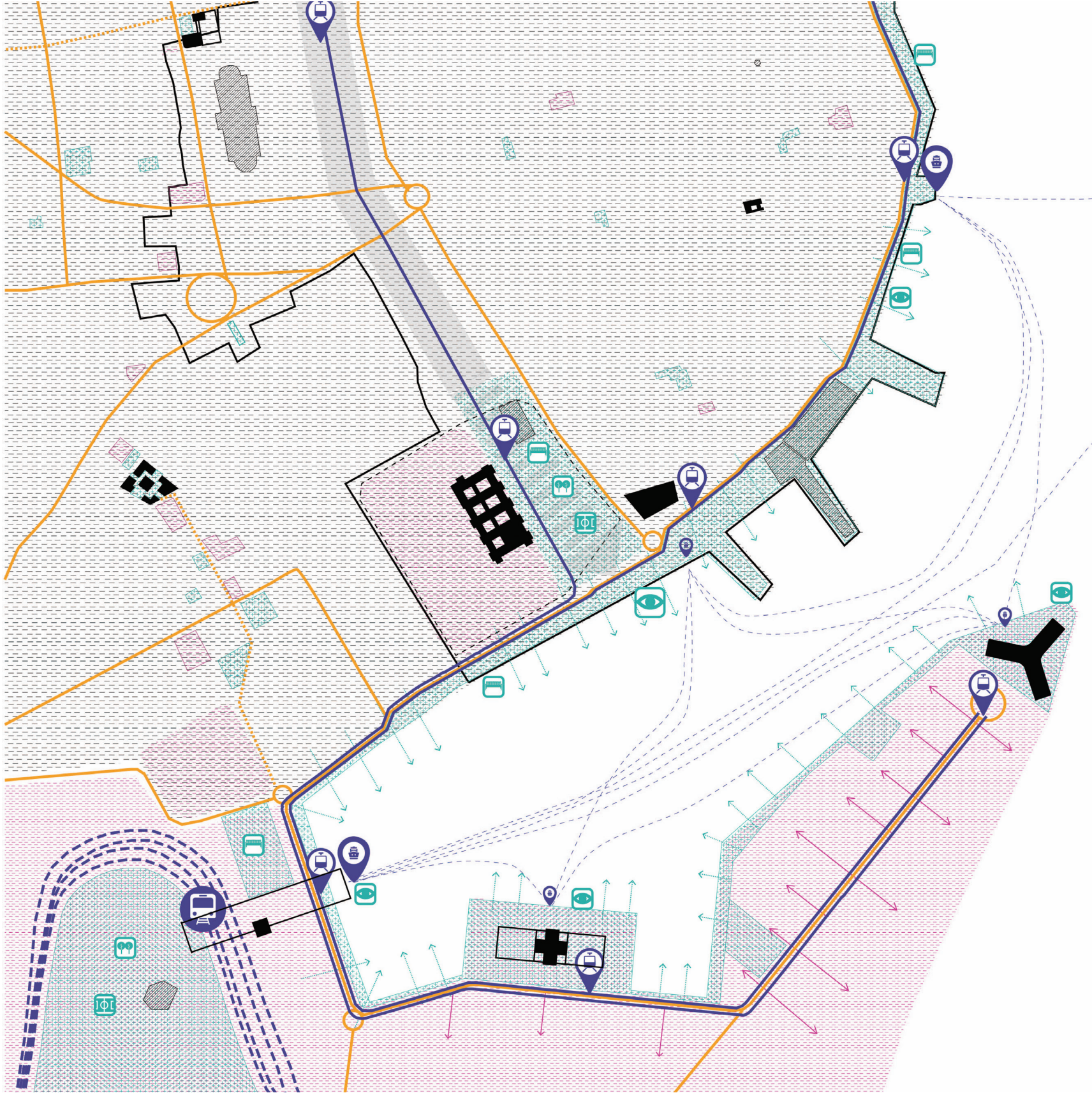
TEACHER

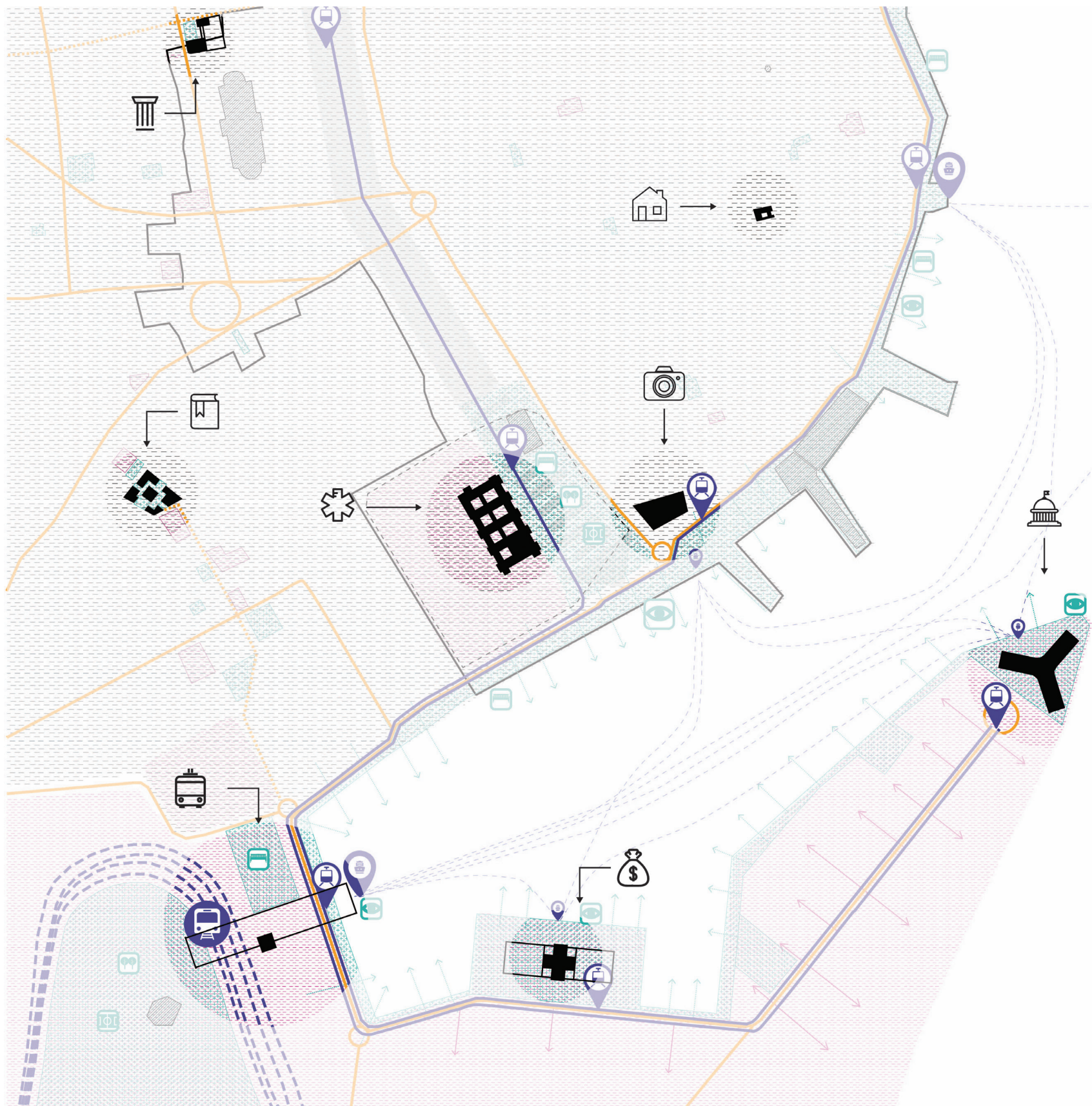


TAXI DRIVER











CUBA

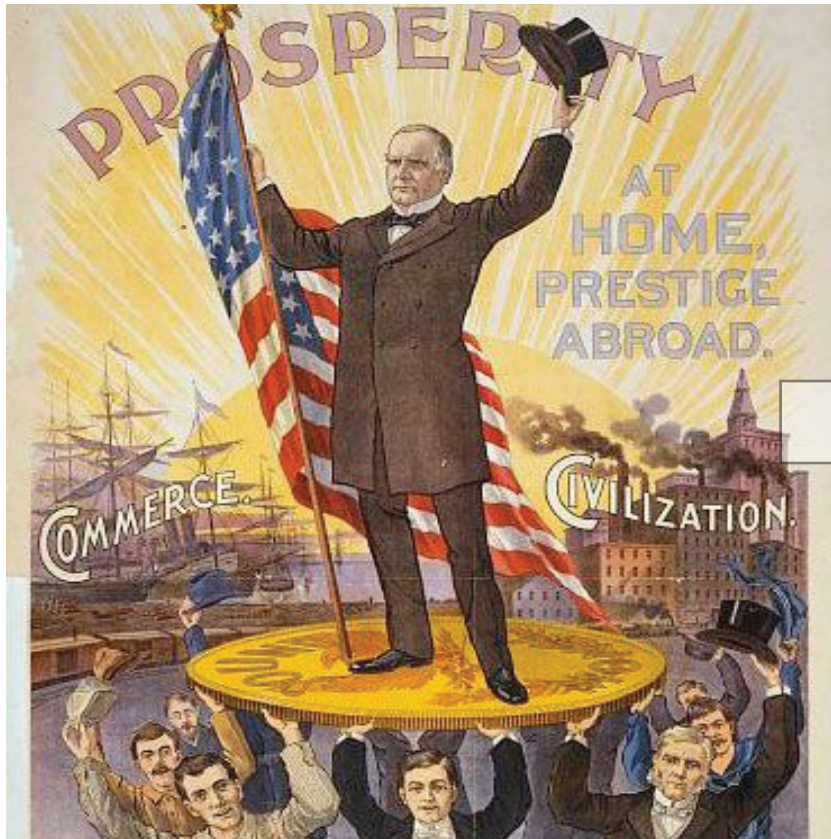
COLONIAL SETTLEMENT



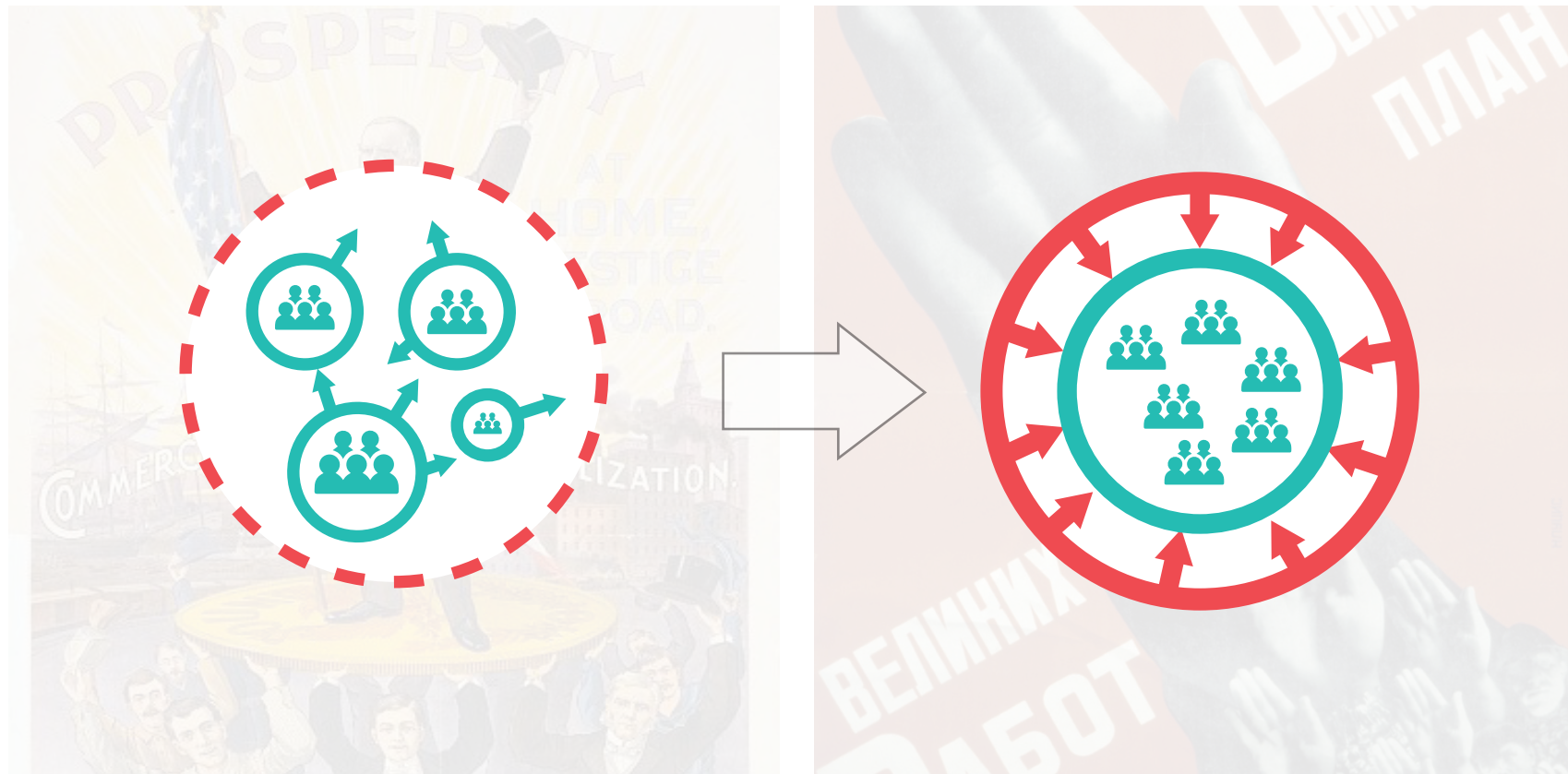
REVOLUTION



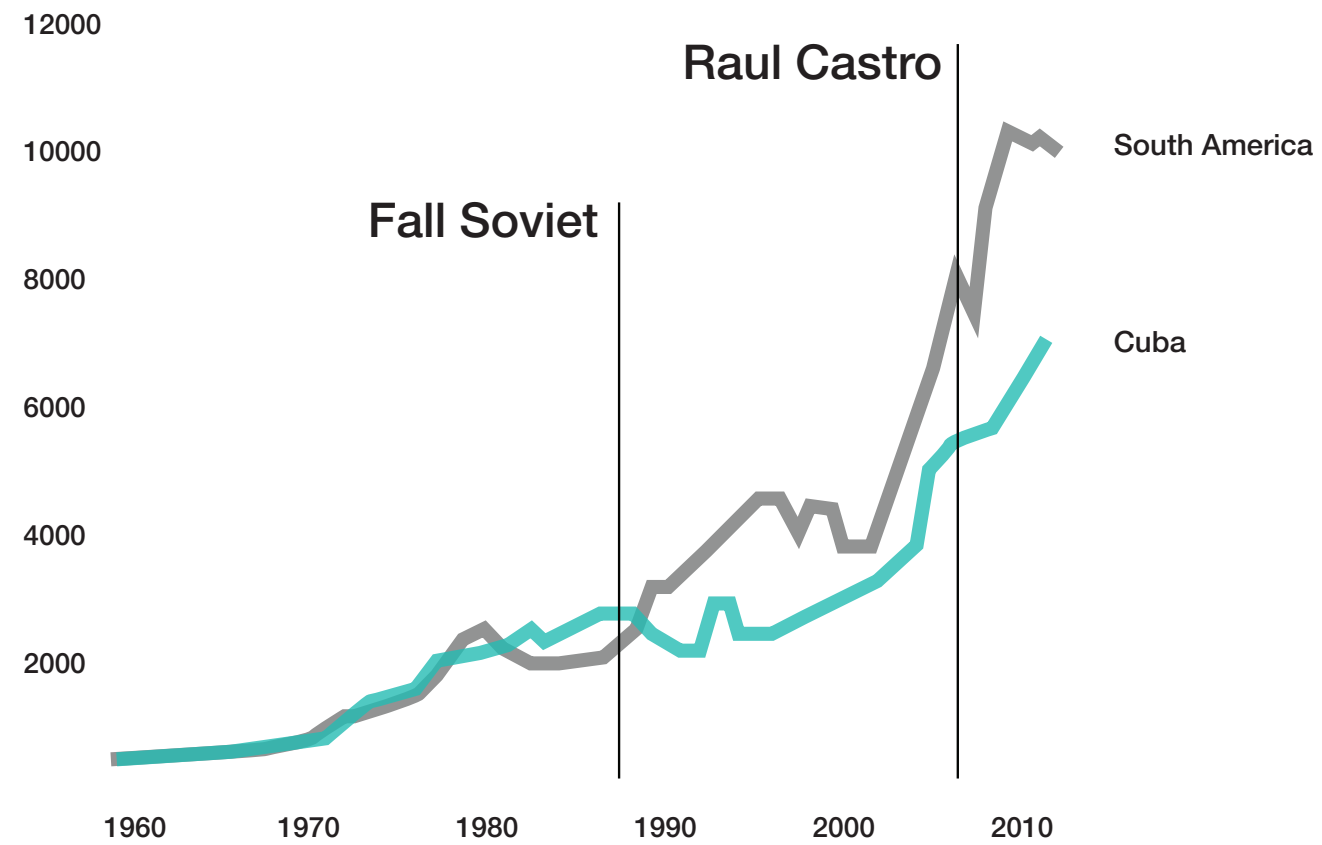
POLITICS



POLITICS



GDP



2010: SELF EMPLOYMENT ALLOWED



NEW ENTREPRISES



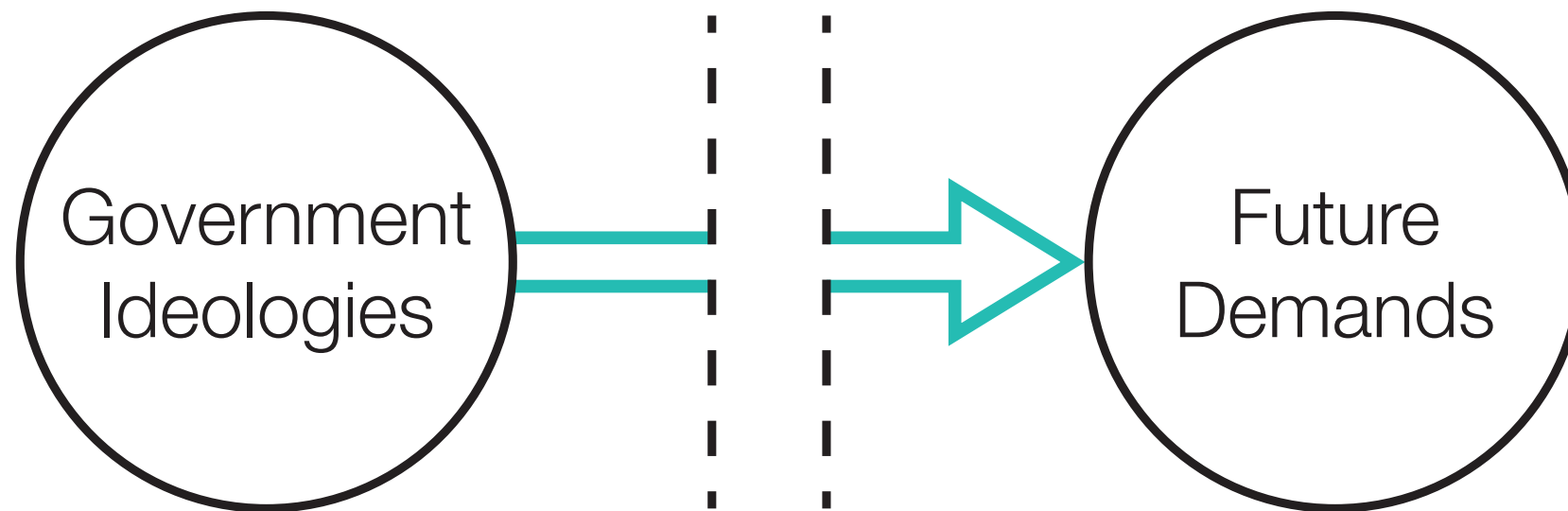
NEW INVESTMENTS



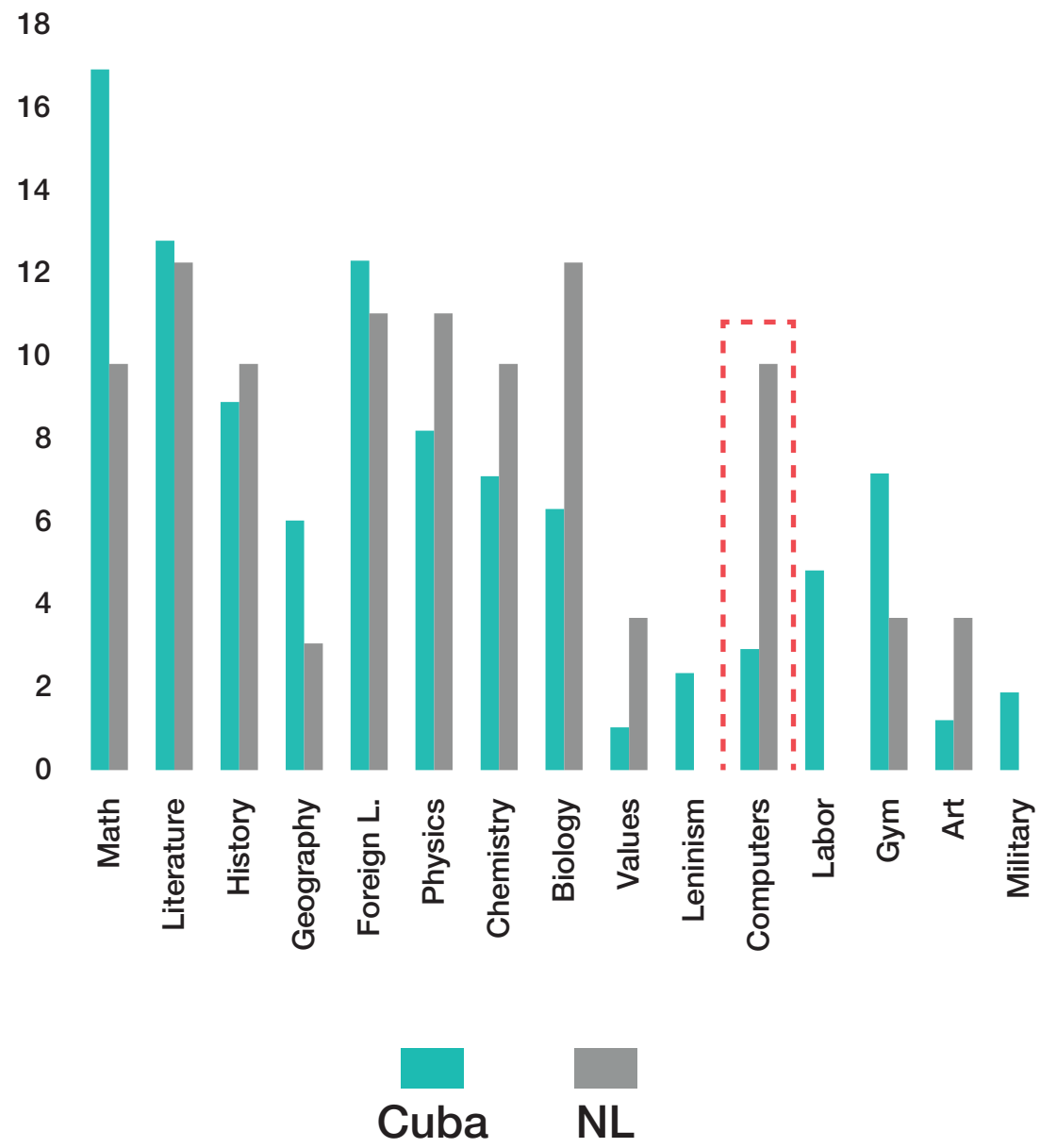
NO BUSINESS CULTURE



GAP



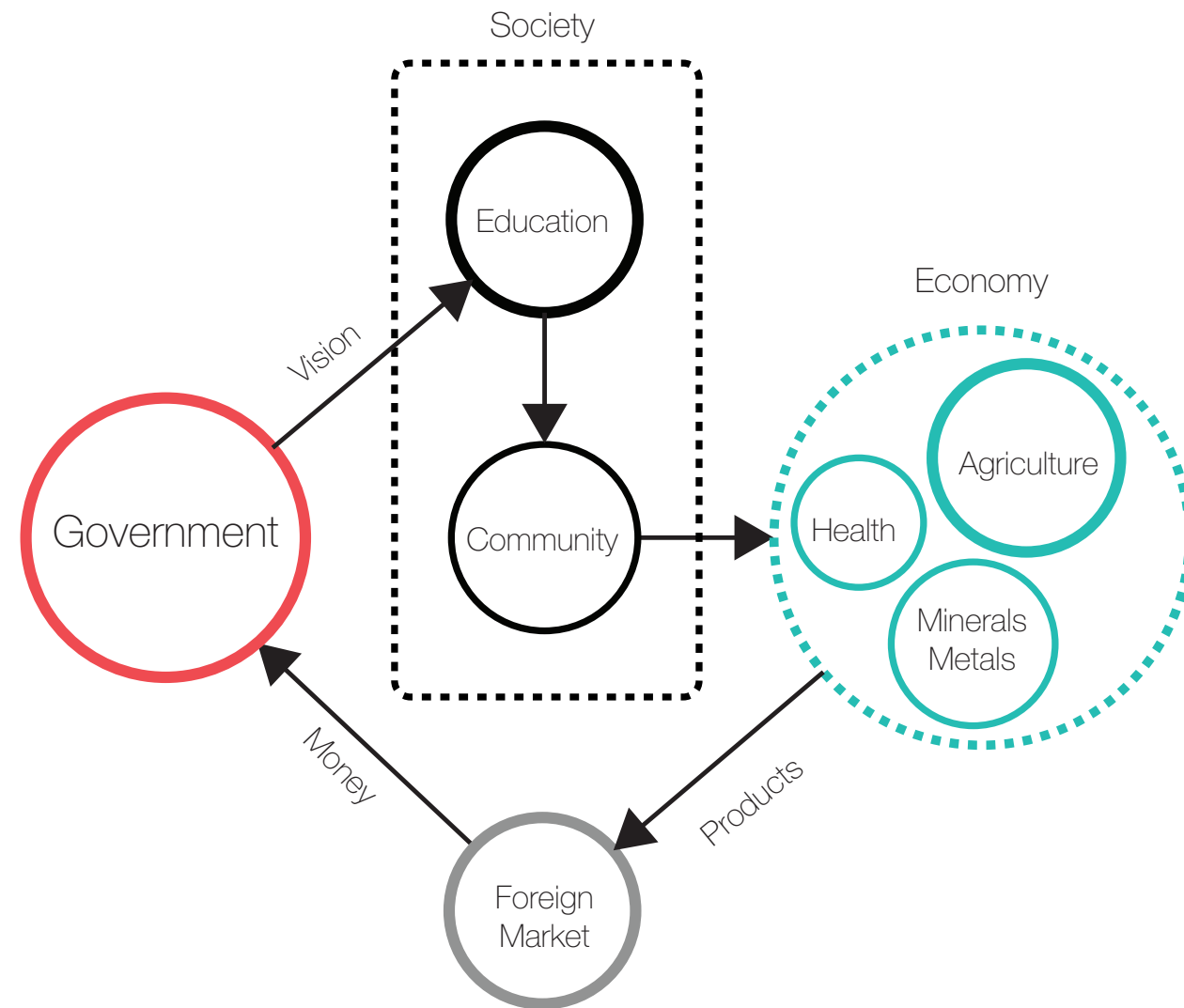
OUTDATED



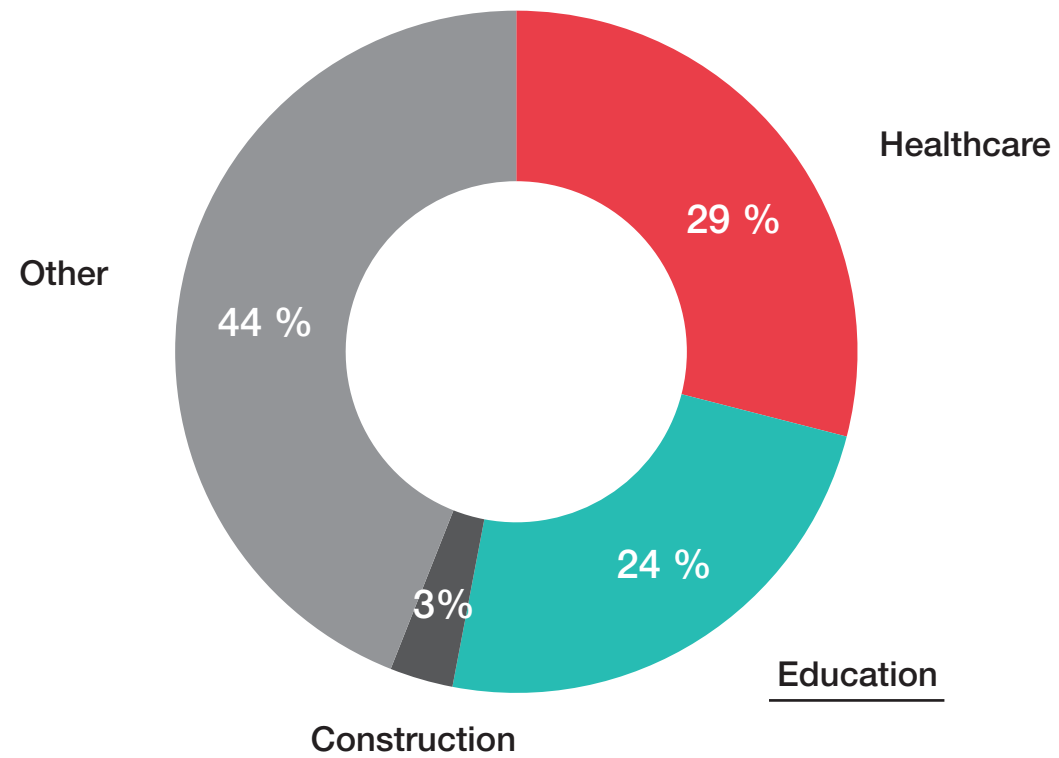
FORCED TO SEEK OPPORTUNITIES ELSEWHERE



CURRENT MODEL



GOVERNMENT EXPENSES



NEWS



Fidel's vision for education was that the revolution would be built doing practical work—not in university classrooms.

THE CONVERSATION

Academic rigour, journalistic flair

Arts + Culture Business + Economy **Education** Environment + Energy Health + Medicine Politics + Society Science + Technology

Why Cuba is an education success story and what it can teach Africa

December 11, 2015 4:07am GMT



BLOG EARLY CHILDHOOD EDUCATION

Education System of Cuba – Path to Success



1 comment



*All children are guaranteed schooling, it's free, there's no...
the reasons why education system of Cuba is so successfu*

THE HUFFINGTON POST



ENTERTAINMENT

WELLNESS

WHAT'S WORKING

VOICES

VIDEO

ALL SECTIONS

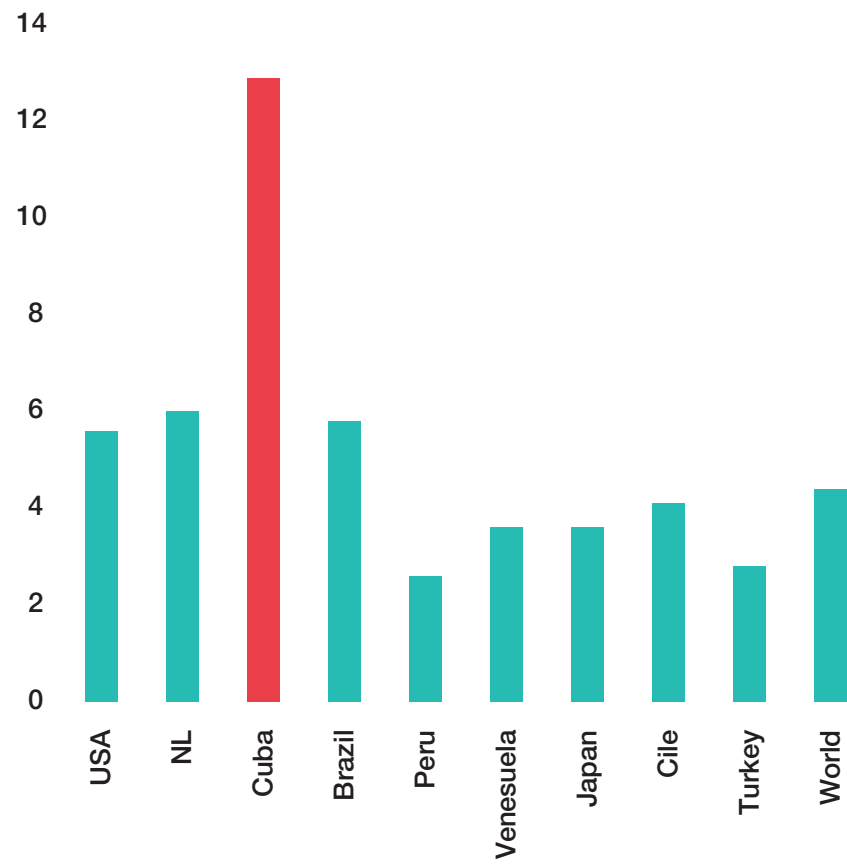


THE BLOG

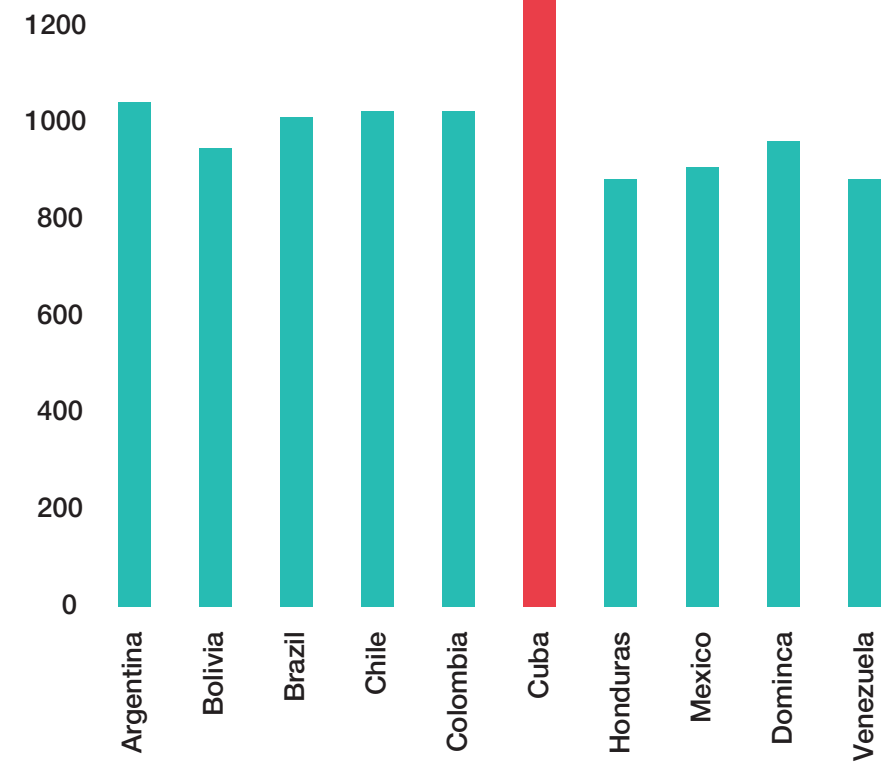
World Bank: Cuba Has the Best Education System in Latin America and the Caribbean

10/03/2014 04:28 pm ET | Updated Dec 03, 2014

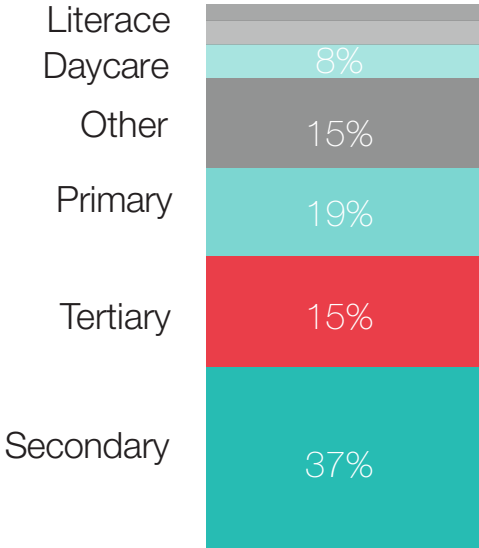
EXPENSES



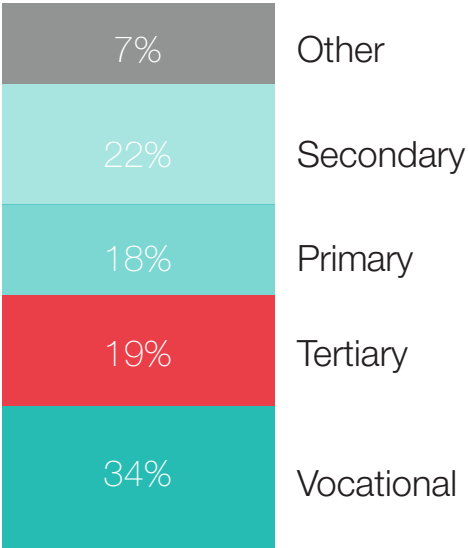
RESULTS



SEGMENTS EXPENSES



Expenses

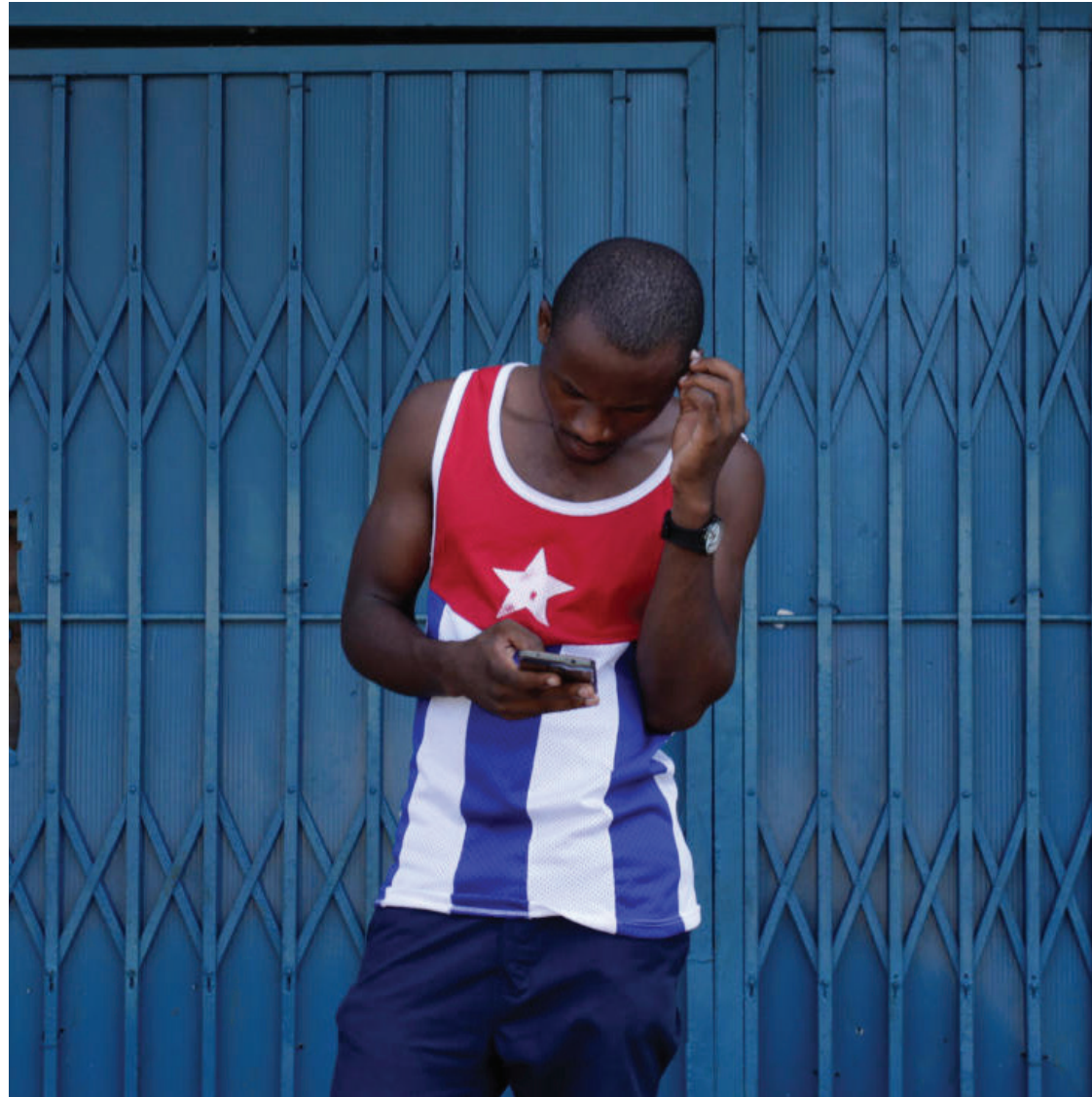


Enrollement Percentages

FOCUS ON VOCATIONAL STUDIES



DEMANDS ARE CHANGING



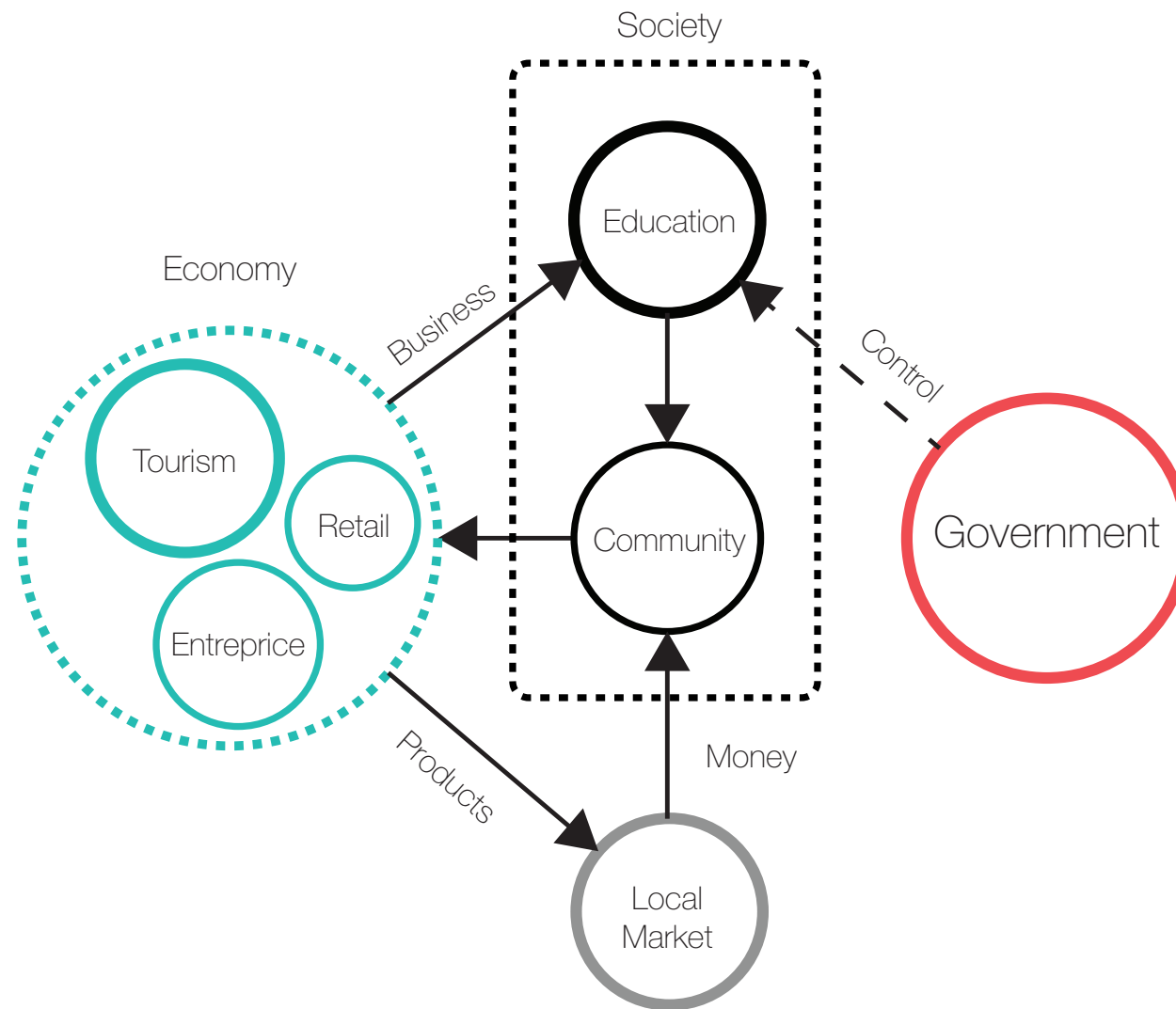
INTERNET USERS



NEW GENERATION

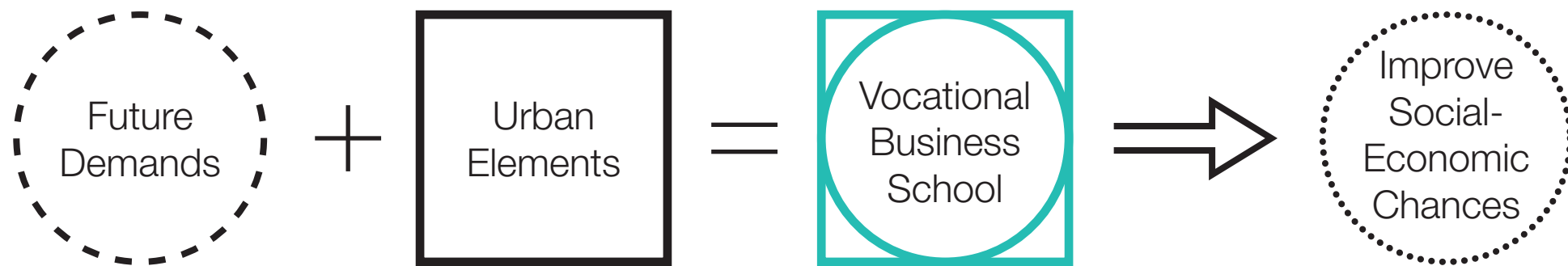


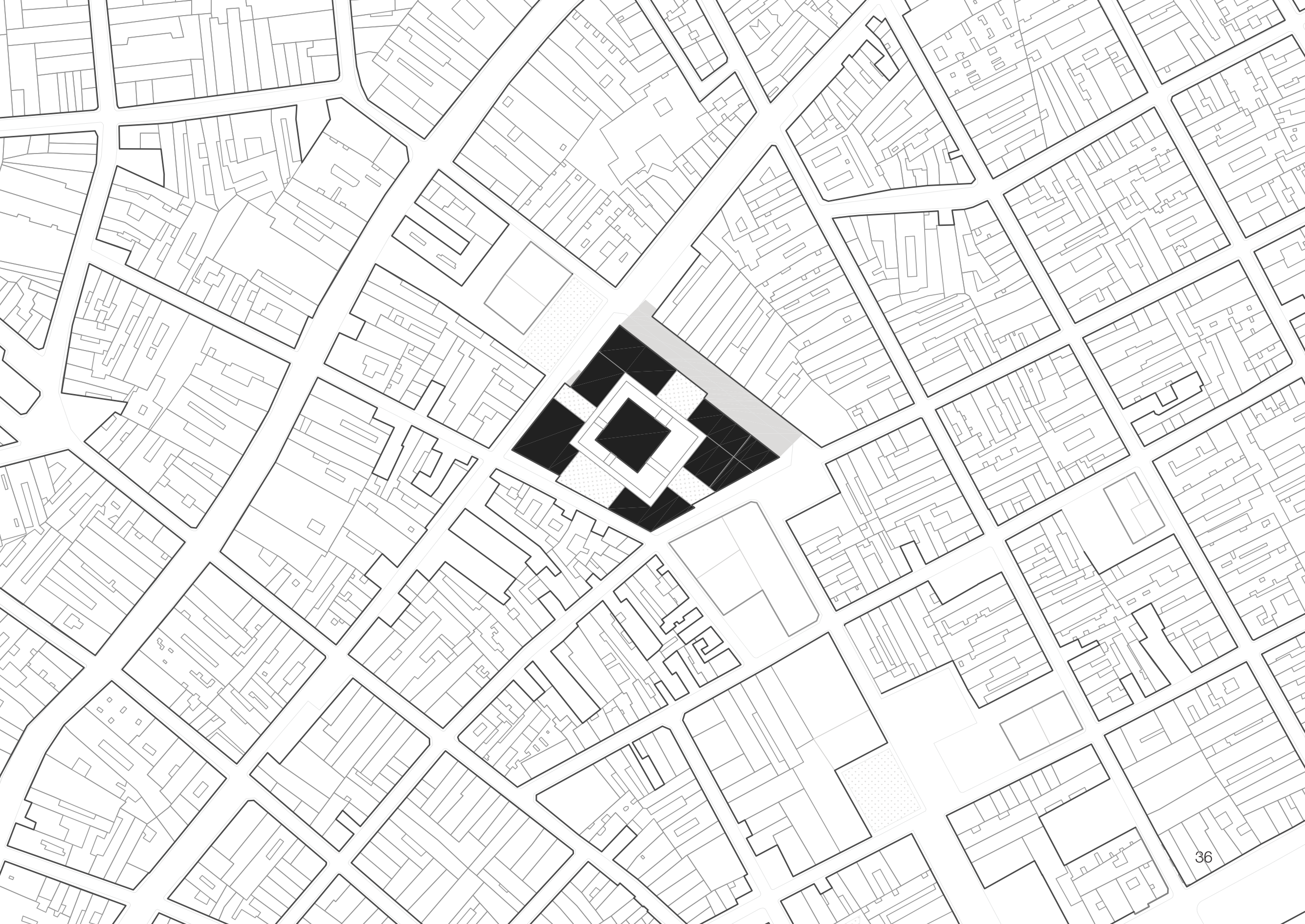
FUTURE MODEL



RESEARCH QUESTION

How could the Cuban education system anticipate future tendencies while supporting social-economic changes?



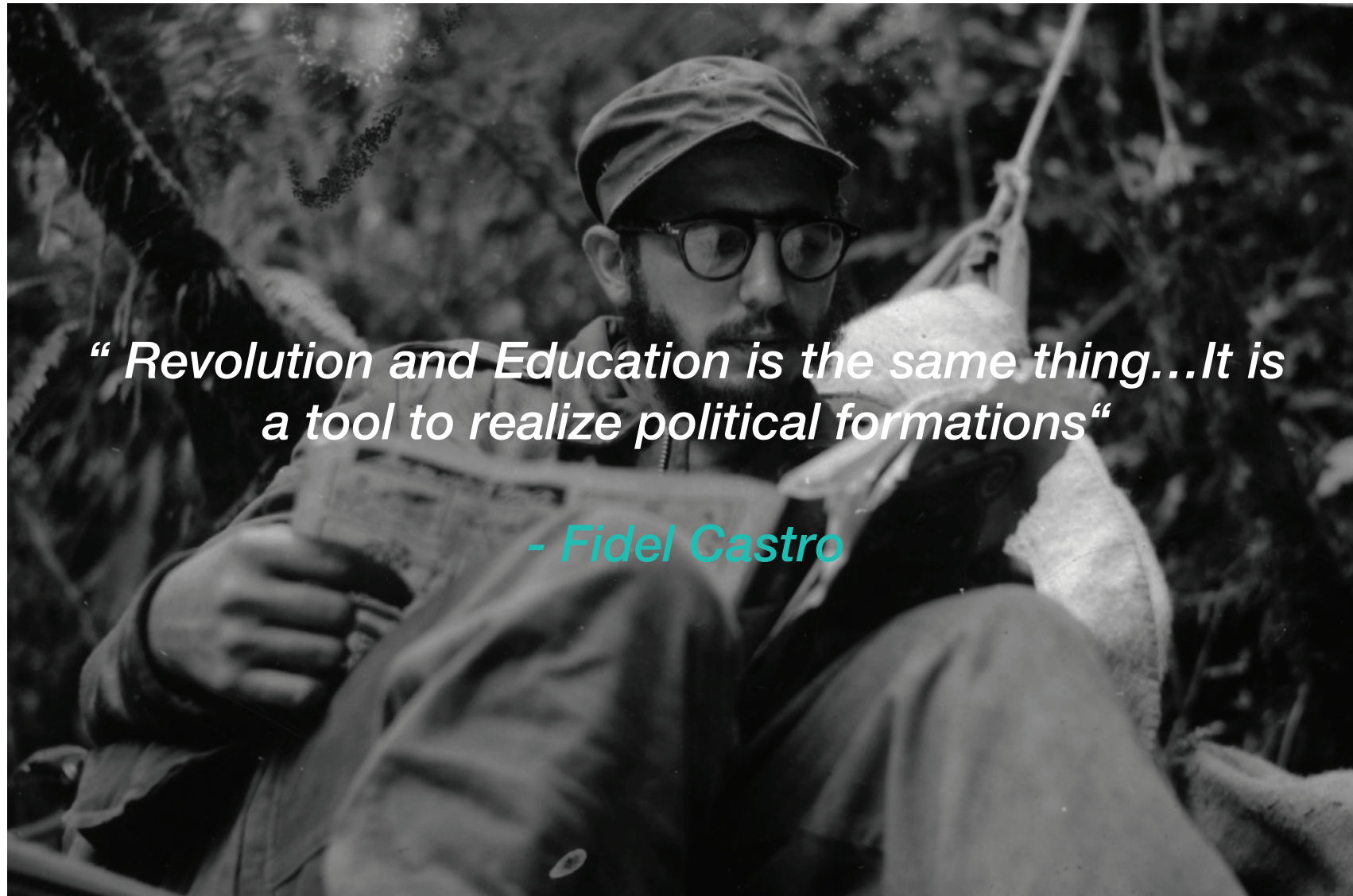






A teal-tinted photograph of three young people with backpacks walking away from the camera down a street in a residential neighborhood. A small dog is in the middle of the street, and a white van is parked on the right. The text "PROSPEROUS FUTURES" is overlaid in white on the right side of the image.

PROSPEROUS FUTURES



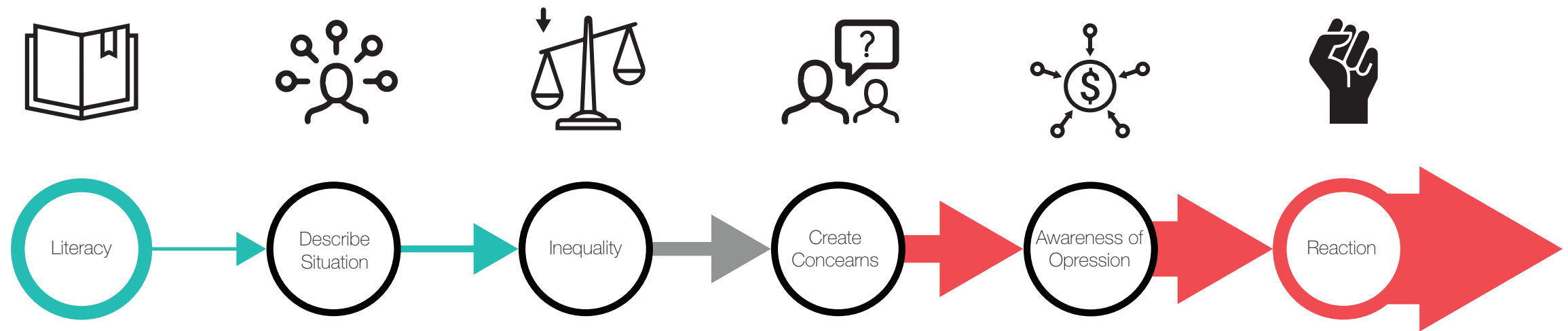
*“ Revolution and Education is the same thing...It is
a tool to realize political formations“*

- Fidel Castro

EDUCATION AS A MEAN



STRATEGY



TIME FRAME

1960



1970



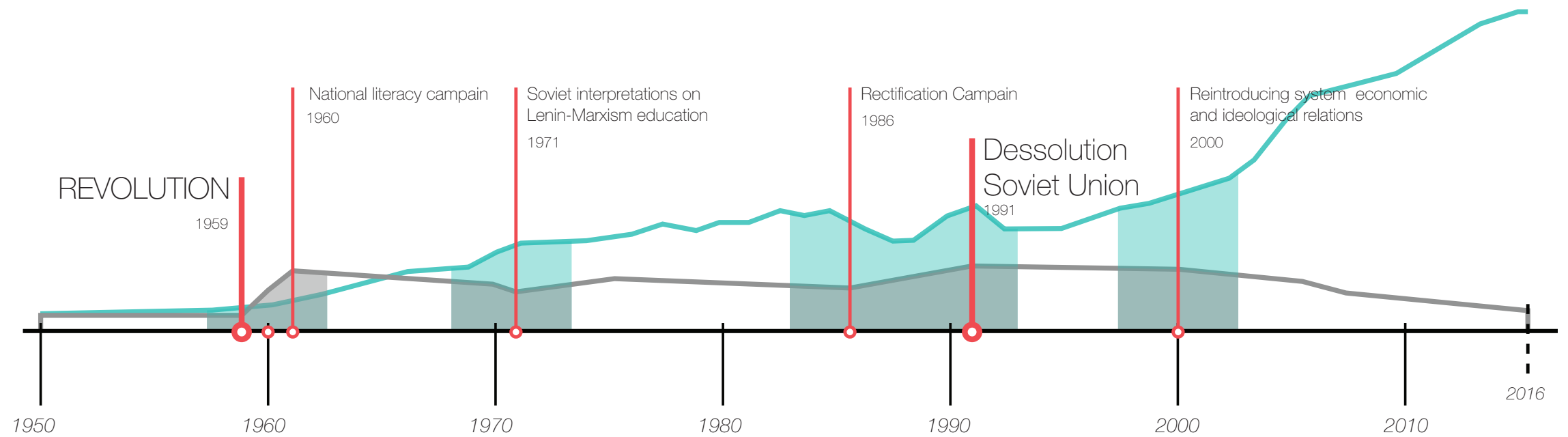
1980



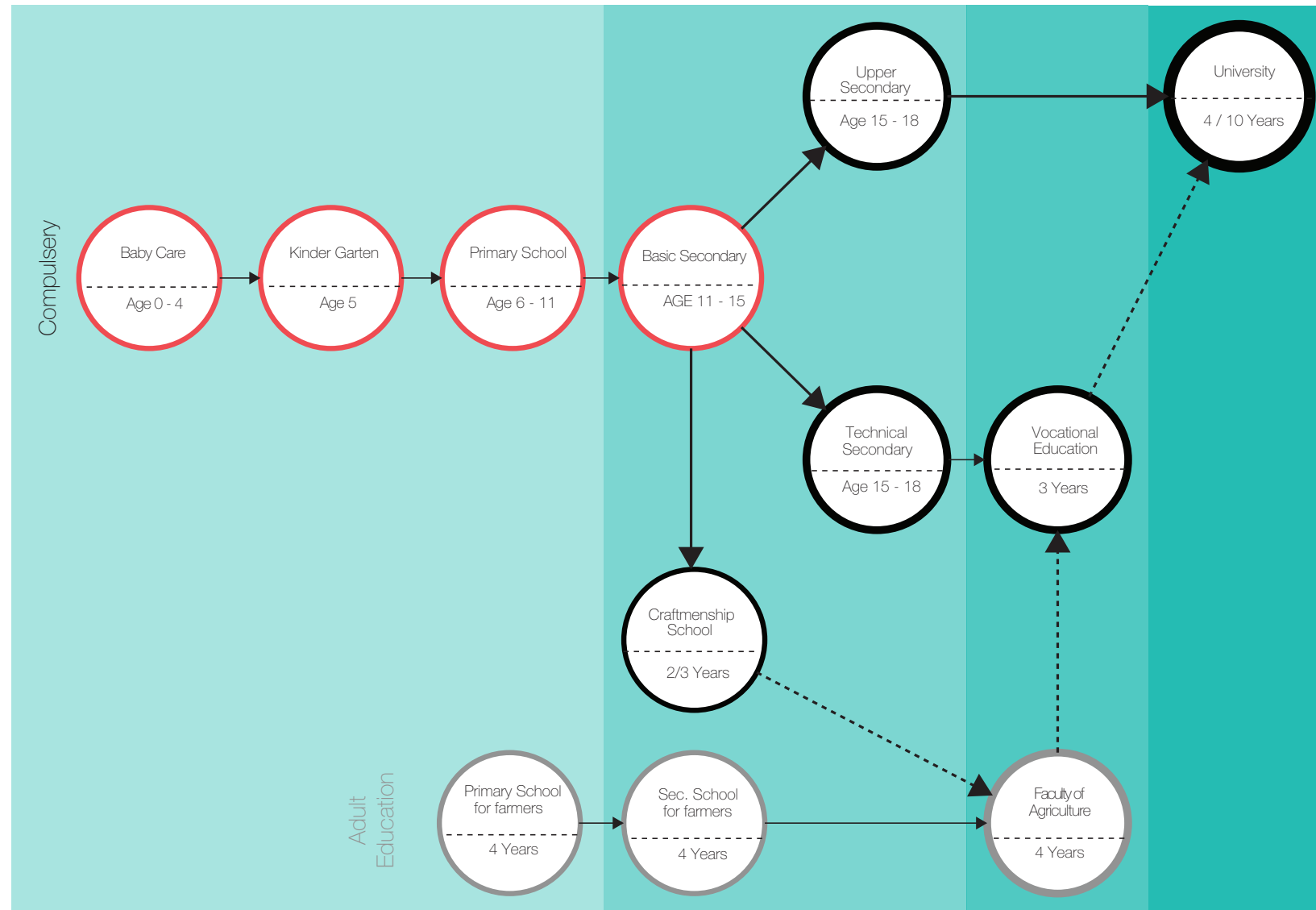
2000



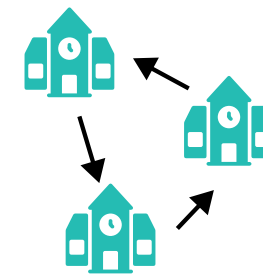
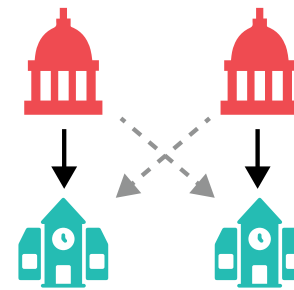
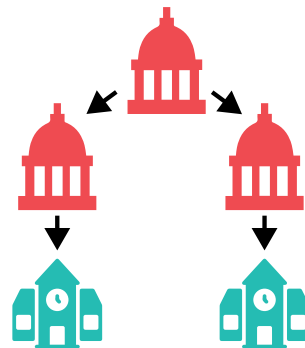
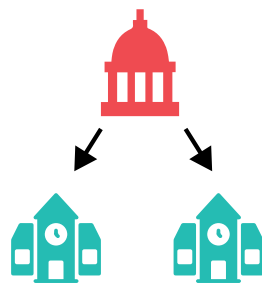
CORRELATION



SCHOOL SYSTEM



ORGANISATION



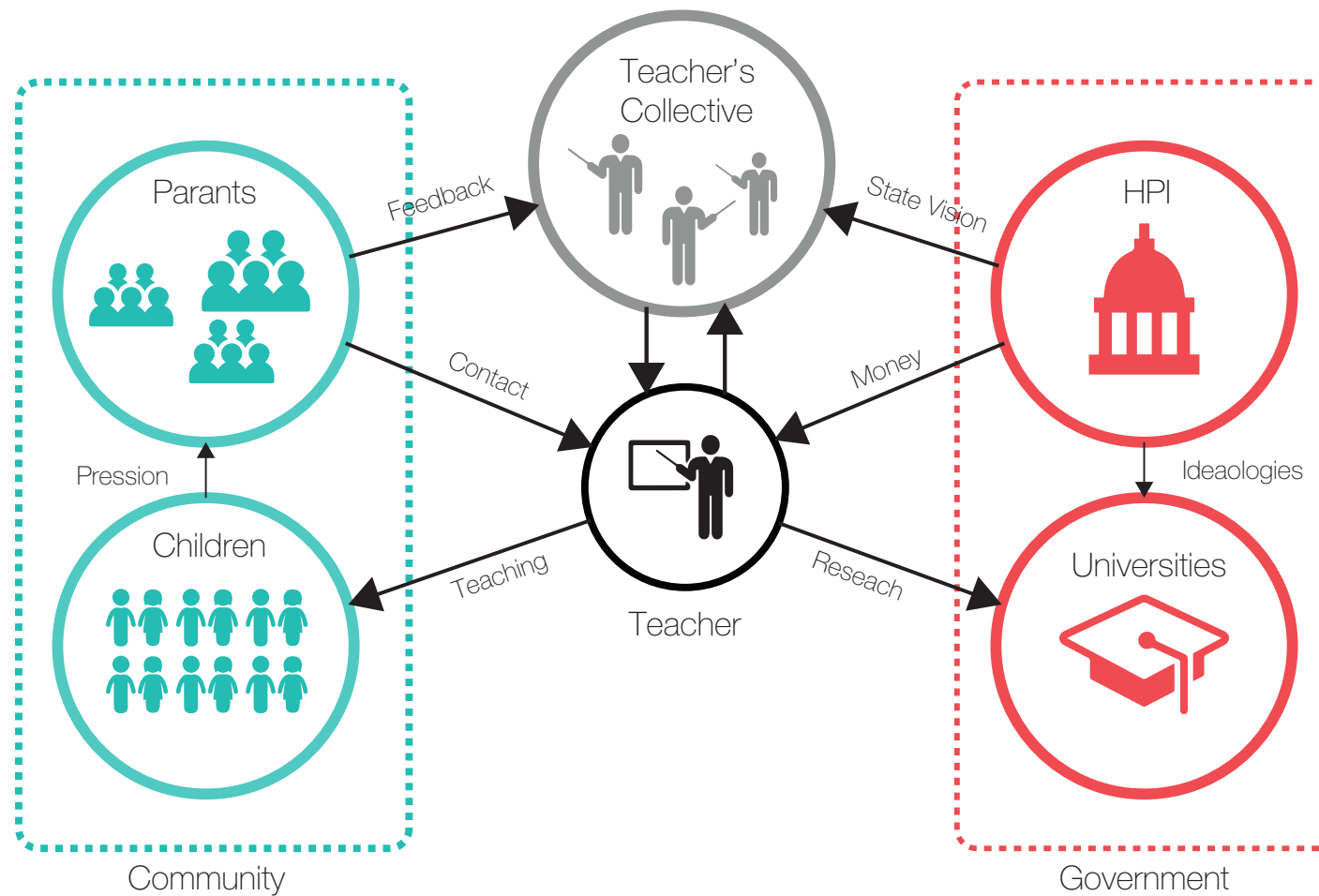
SOCIAL CONTROL



TEACHERS AS KEYSTONE



EMBEDDED IN COMMUNITY

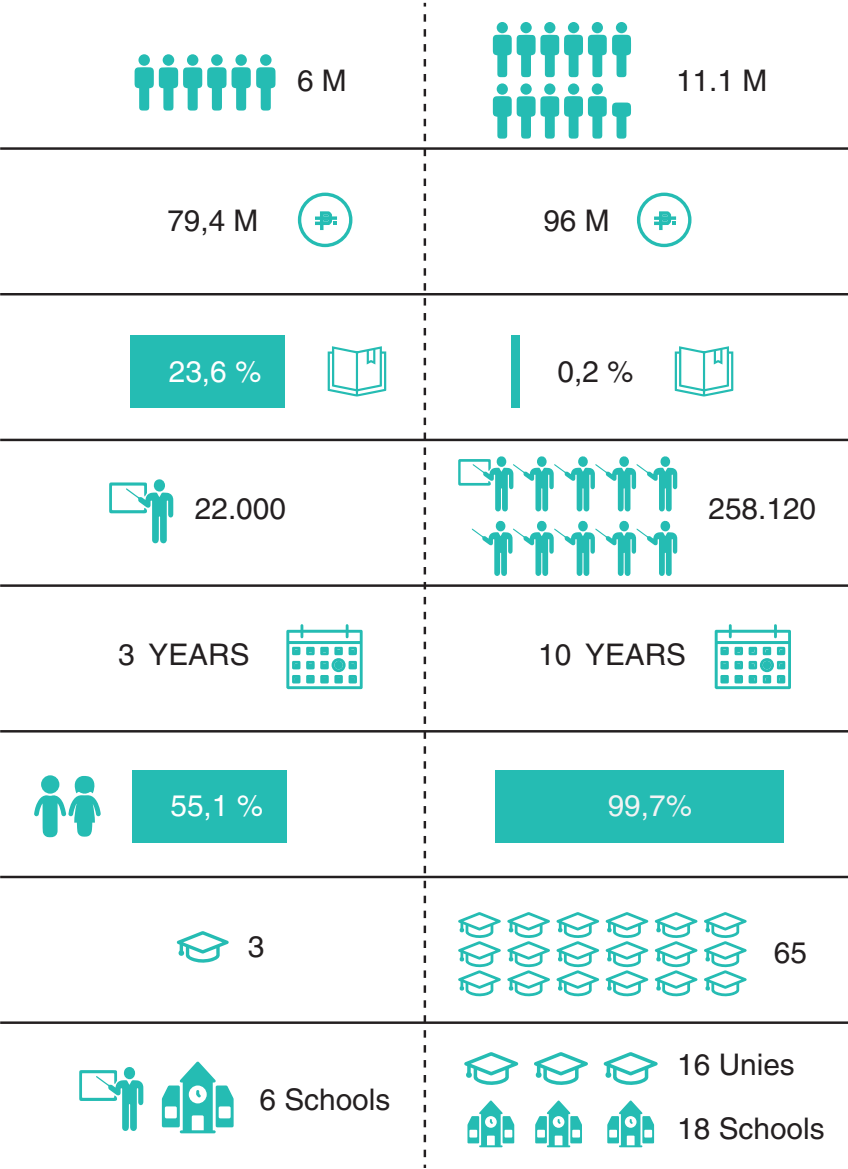




WHAT HAPPENED?

< 1959

2010



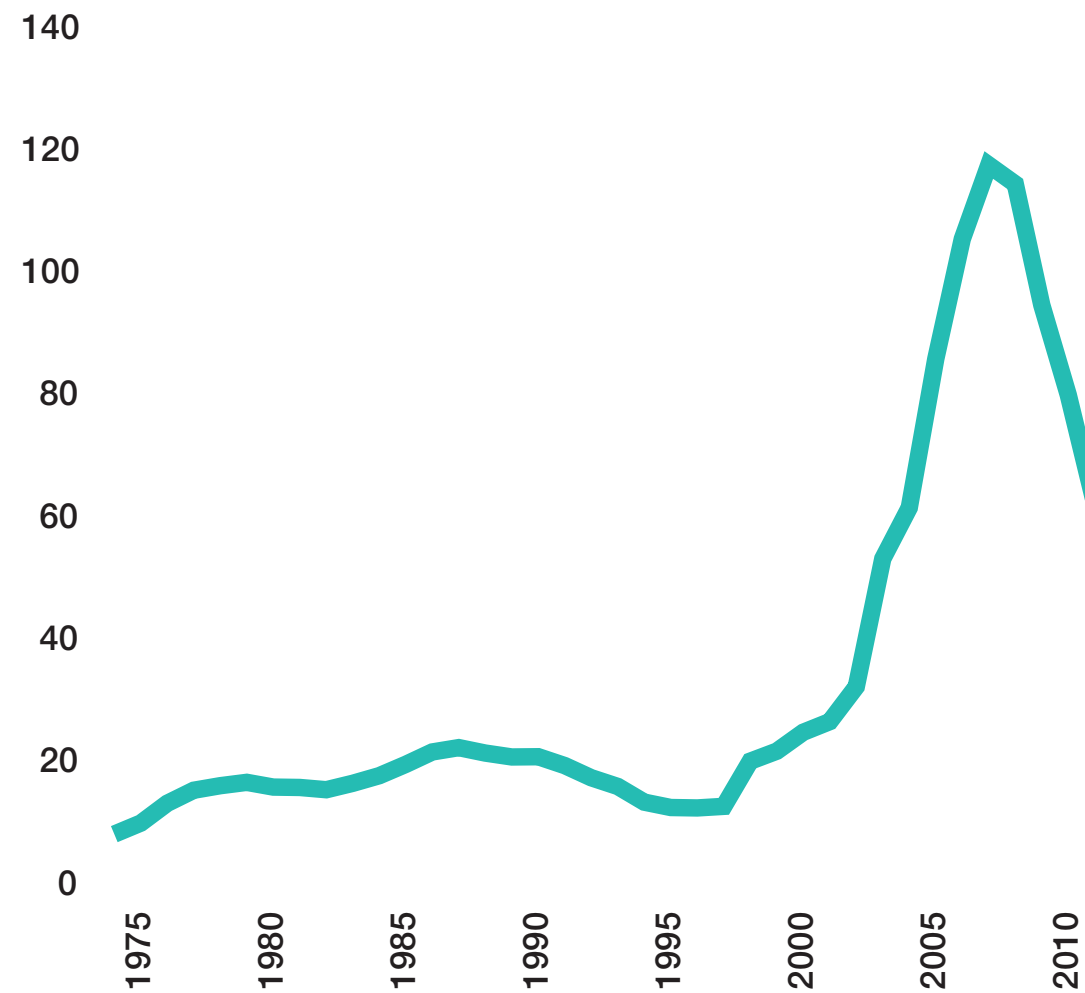
QUICK AND EFFECTIVE



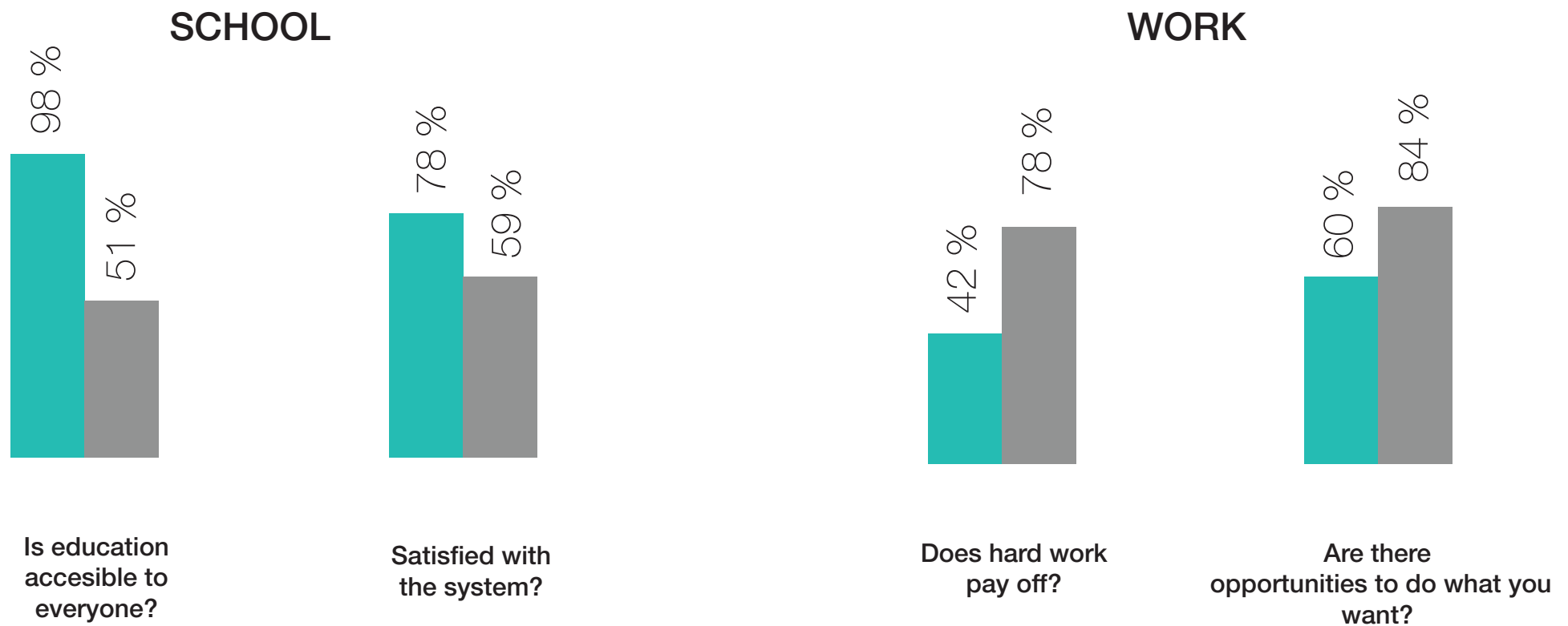
NOW



ENROLLMENTS UNIVERSITY



FUTURE PERSPECTIVE



WHAT NEXT?

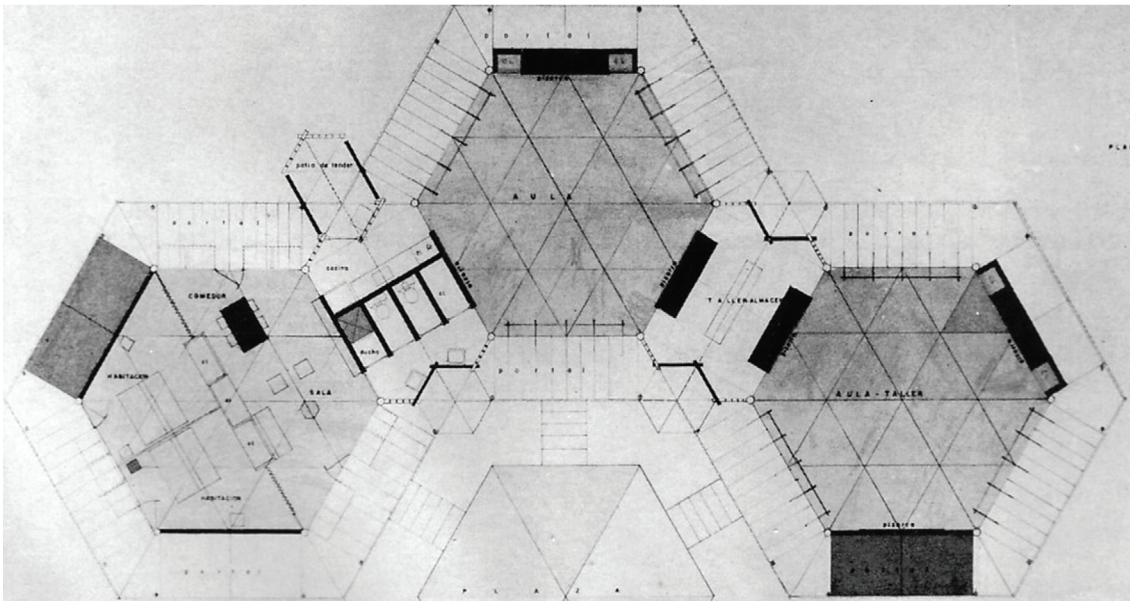
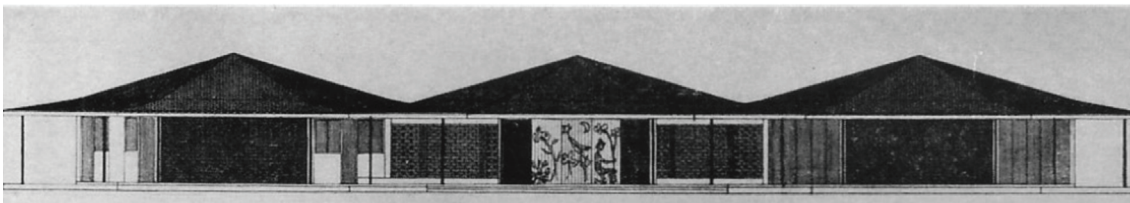




A PERFECT FIT



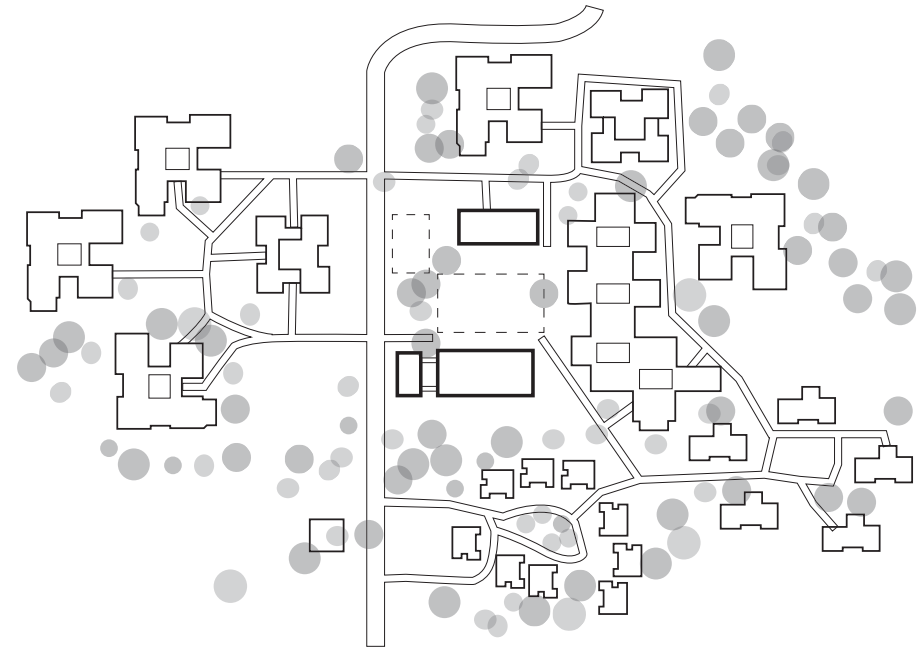
PRODUCT OF IDEALISM



URBAN MIRROR



Alamar



Ciudad Escolar Camilo Cienfuegos

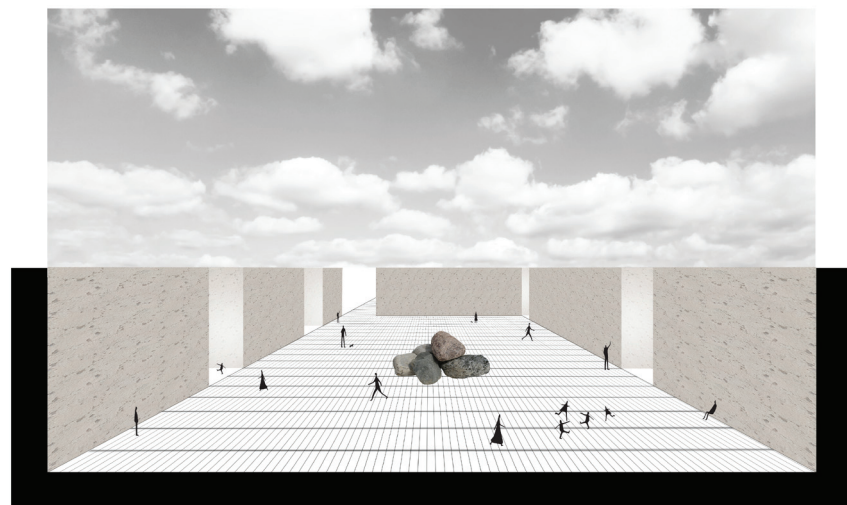
4 ELEMENTS



House / Classroom



Street / Hallway

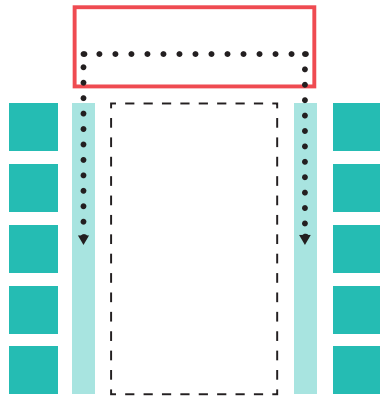


Square / Assembly space

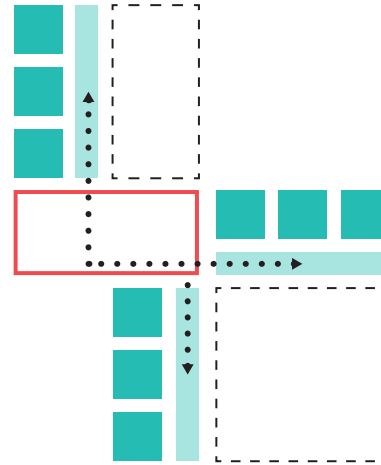


Park / Playground

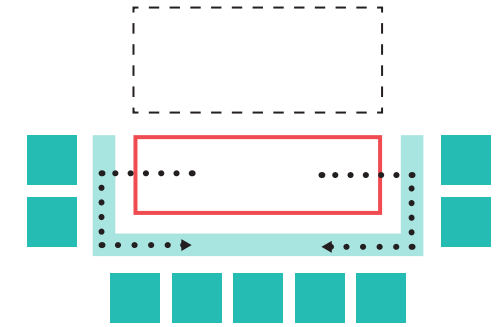
SCHOOL TRANSFORMATION



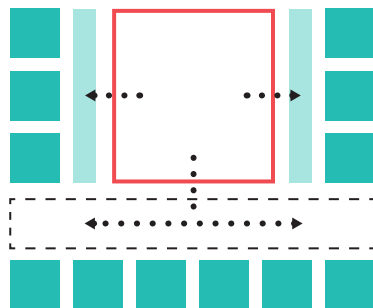
Courtyard



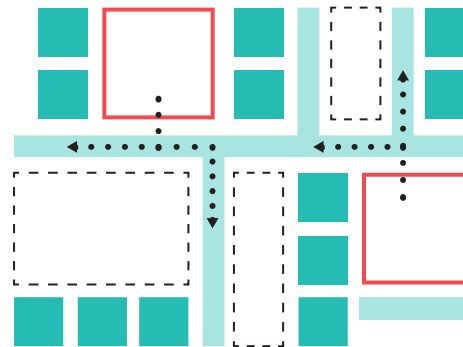
Winged



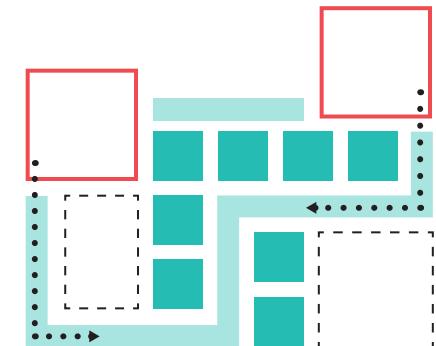
Centred



Functional



Structured



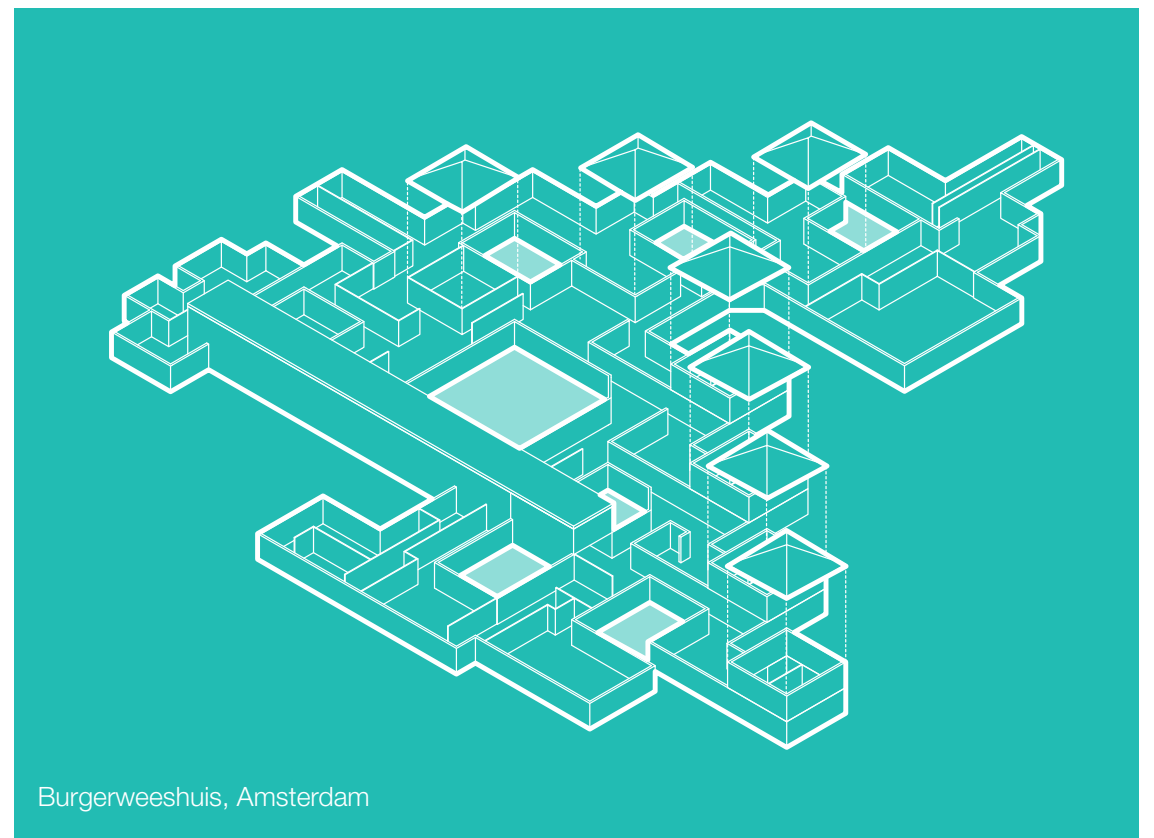
Organic

ROMANTIC



School of Modern Dance, Havana

SCTSTRUCTURED

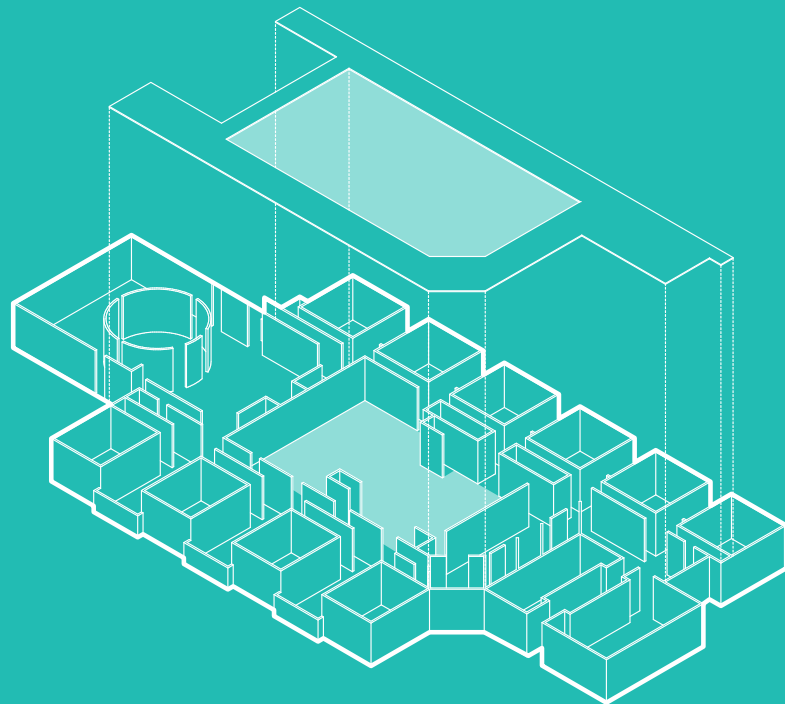


Burgerweeshuis, Amsterdam

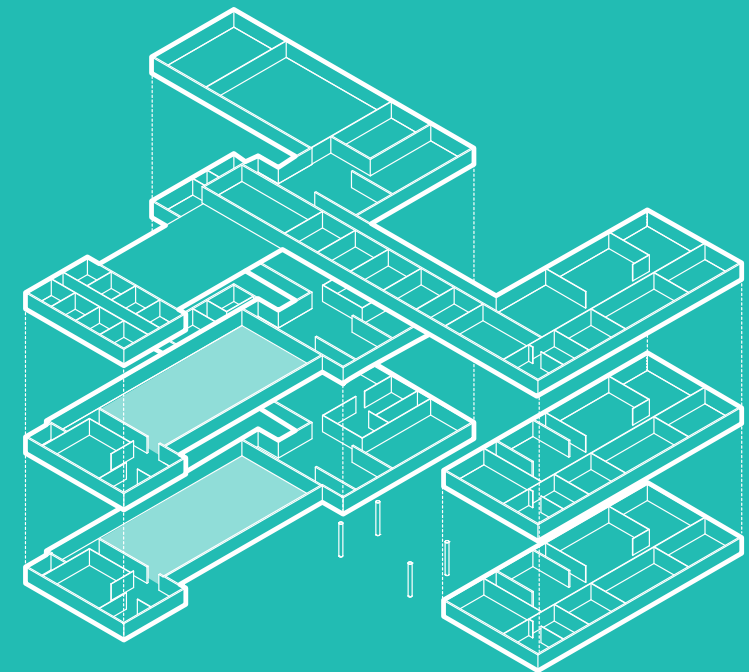
LIGHT



FUNCTIONAL



School of Management, Ahmedabad

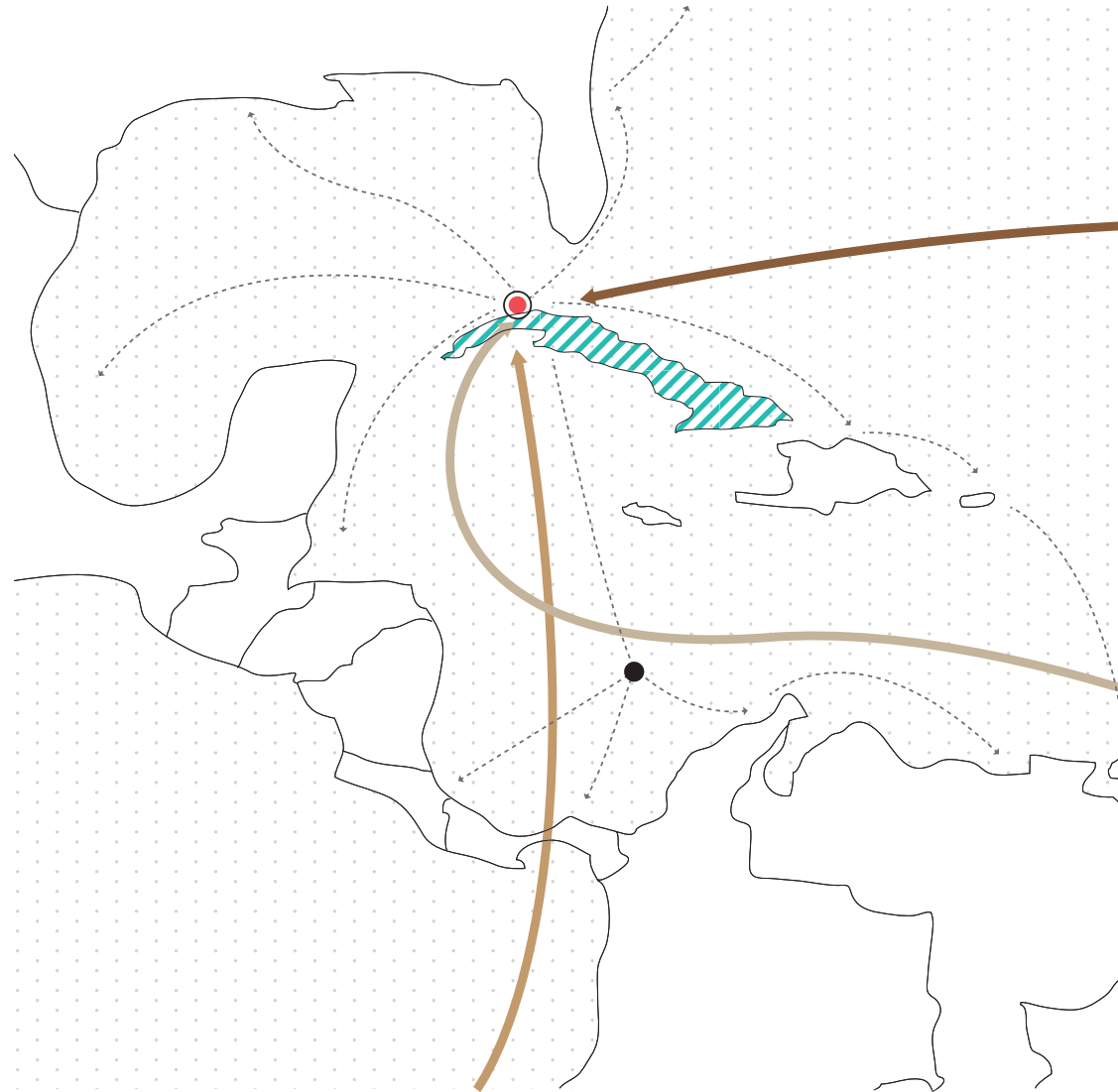


Bauhaus, Dessau

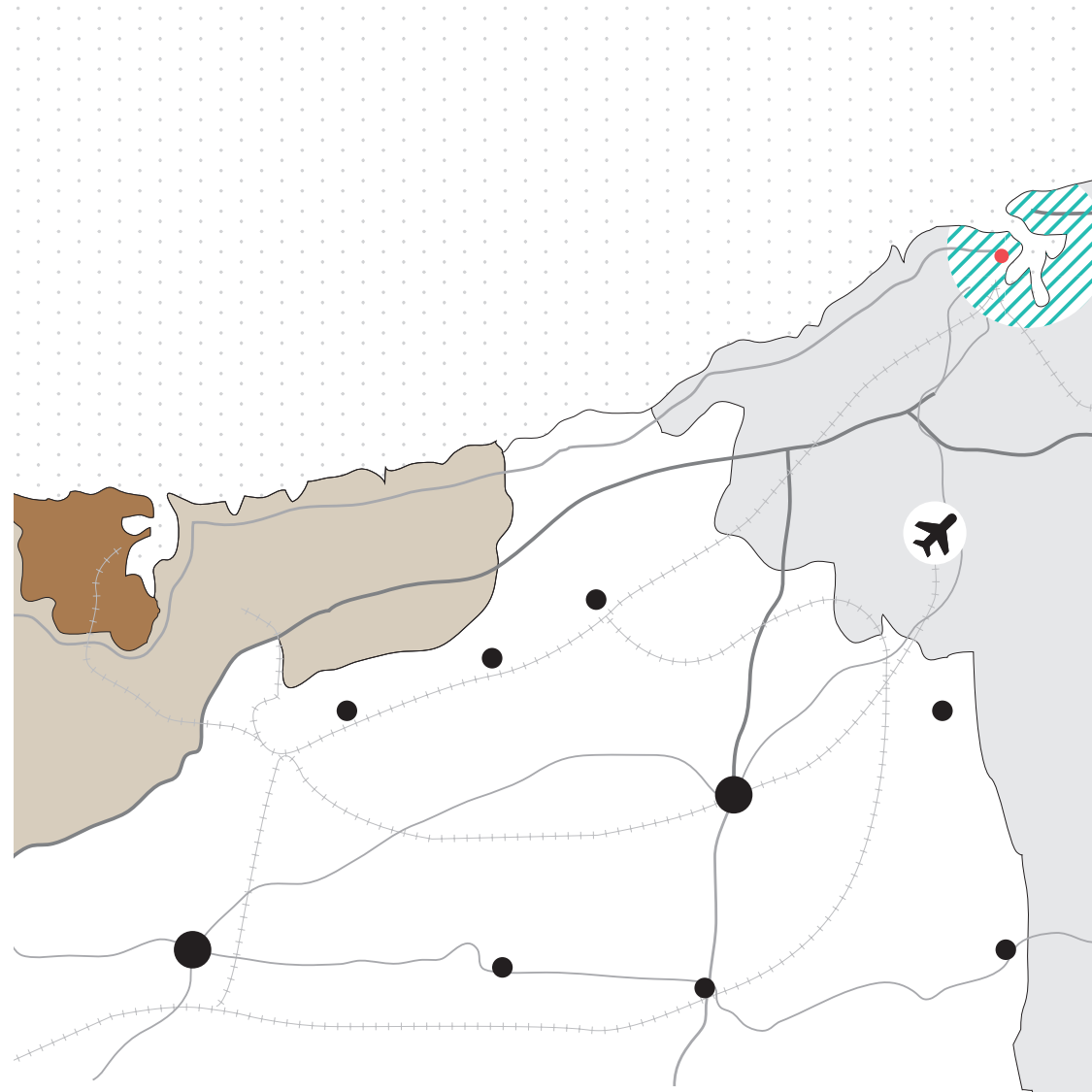


URBAN LAYERS

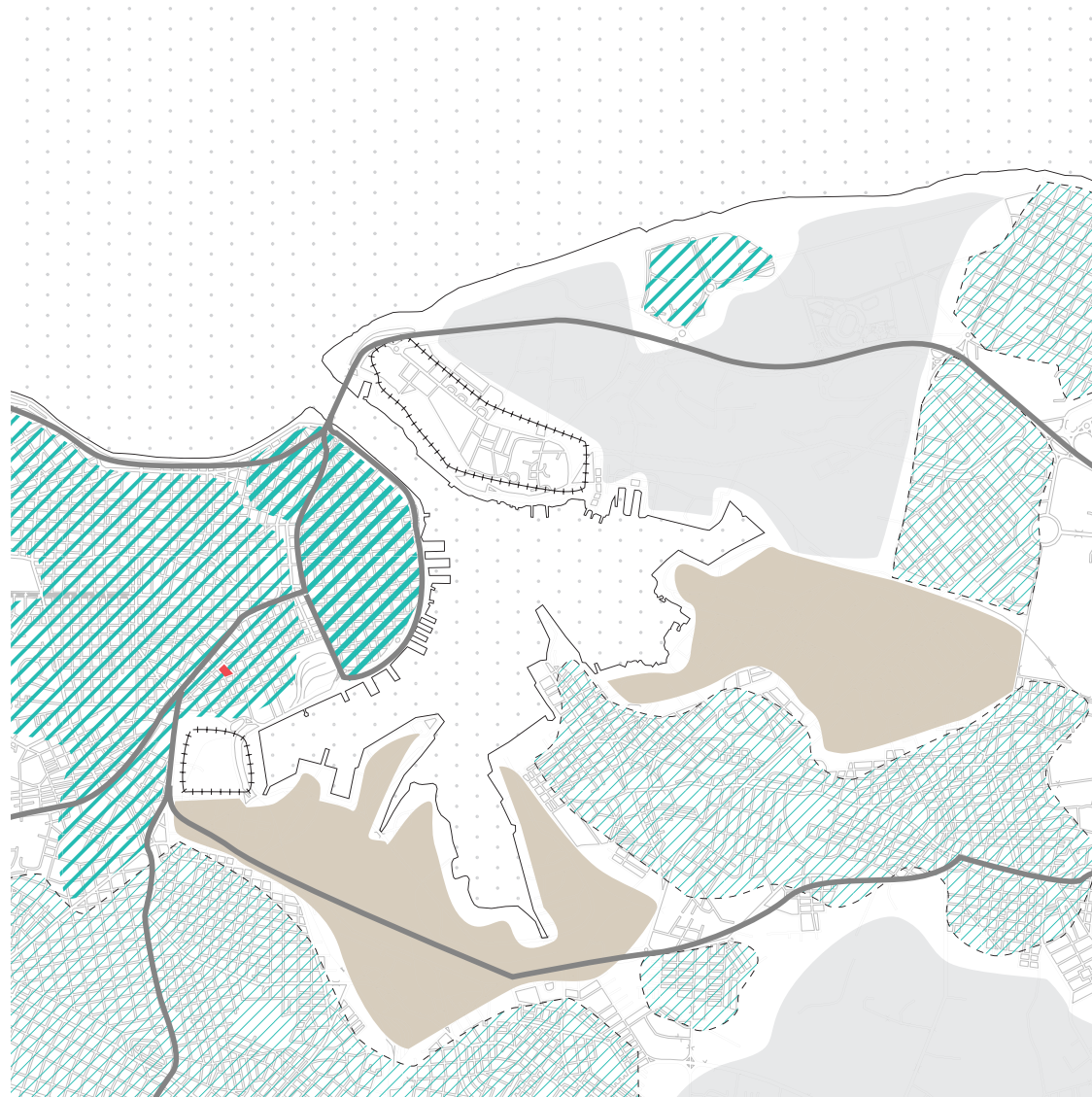
CENTRE CARIBBEAN



FUTURE EXPANSIONS

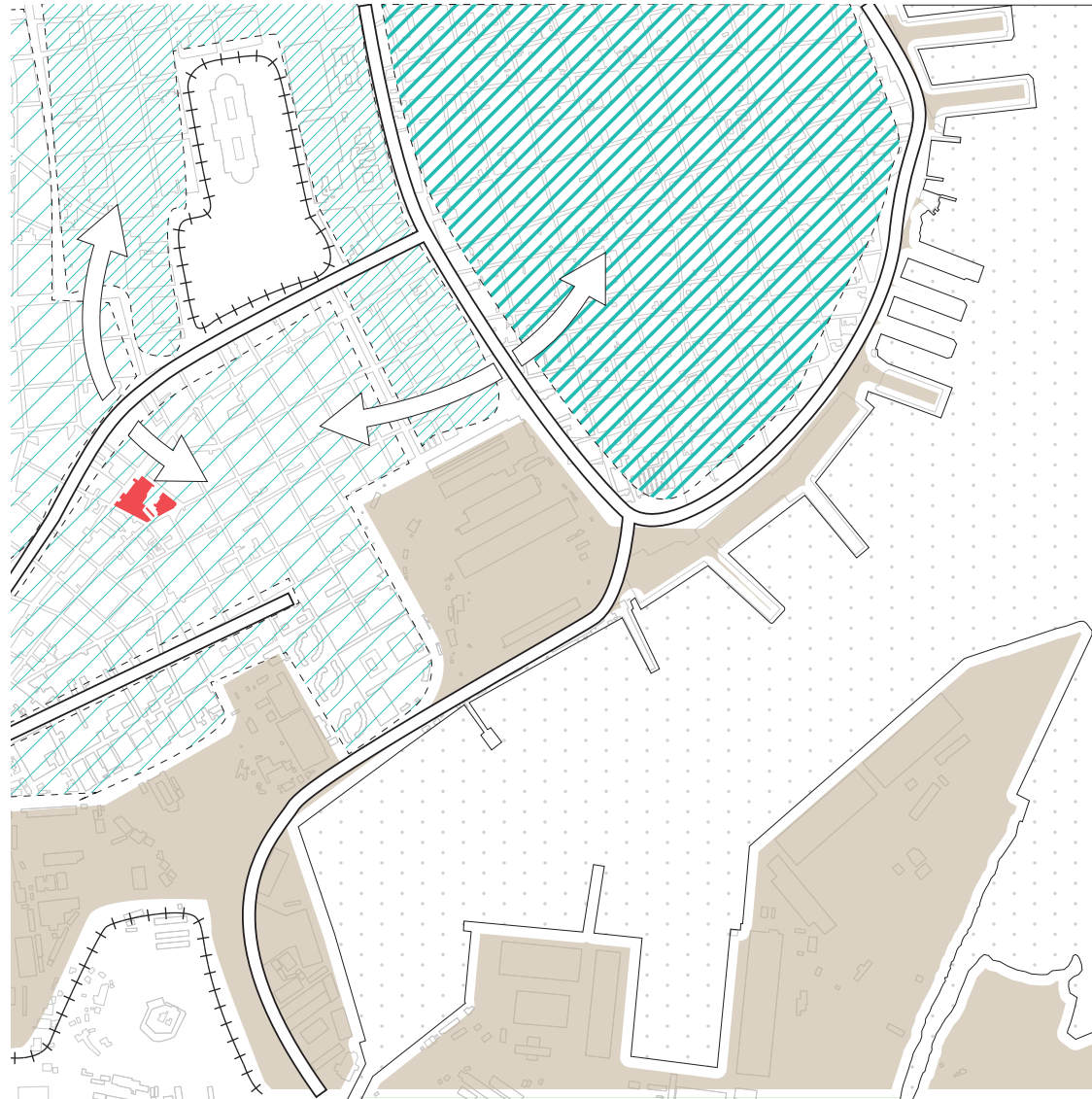


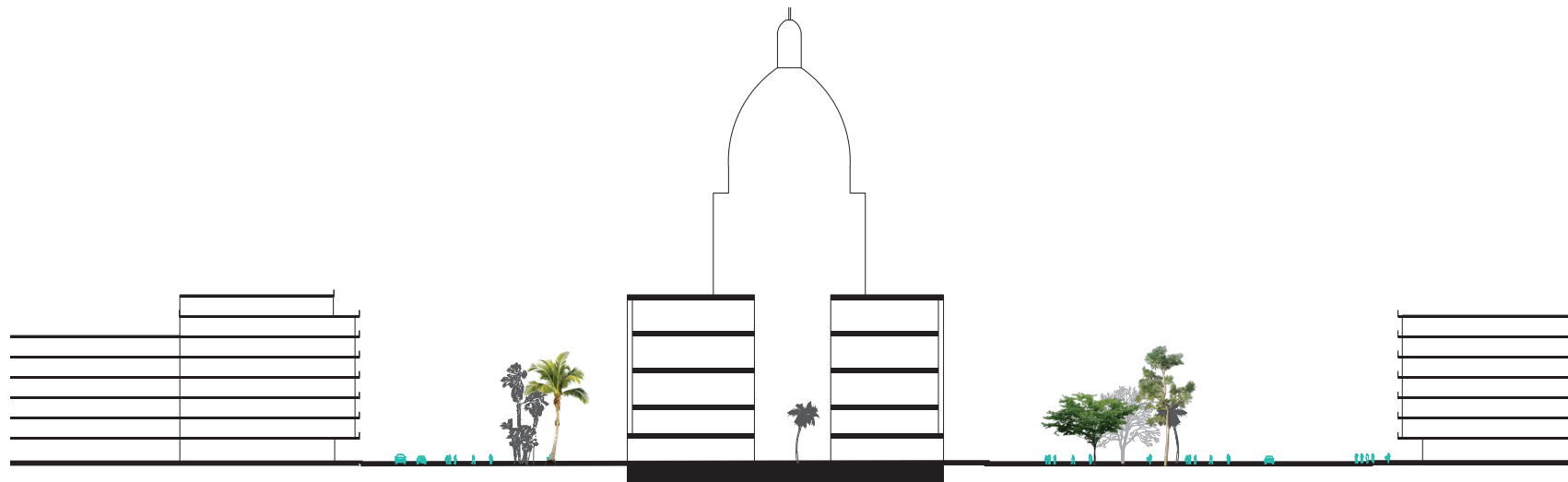
PORT-CITY



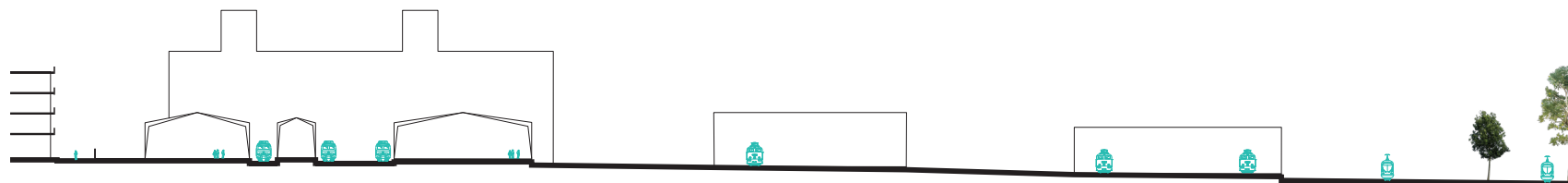


CITY CENTRE AND PERIPHERY

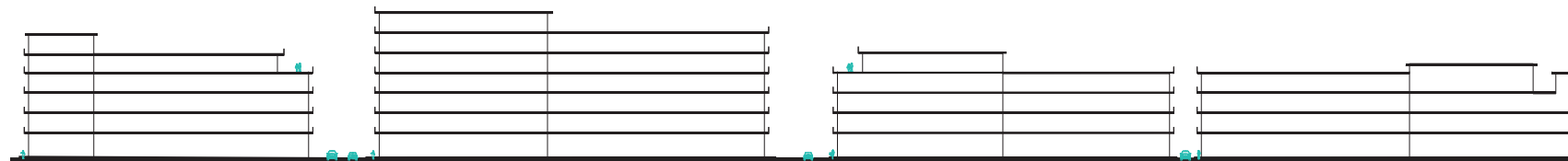




El Captoplio



Train station



Avenida de Belgica



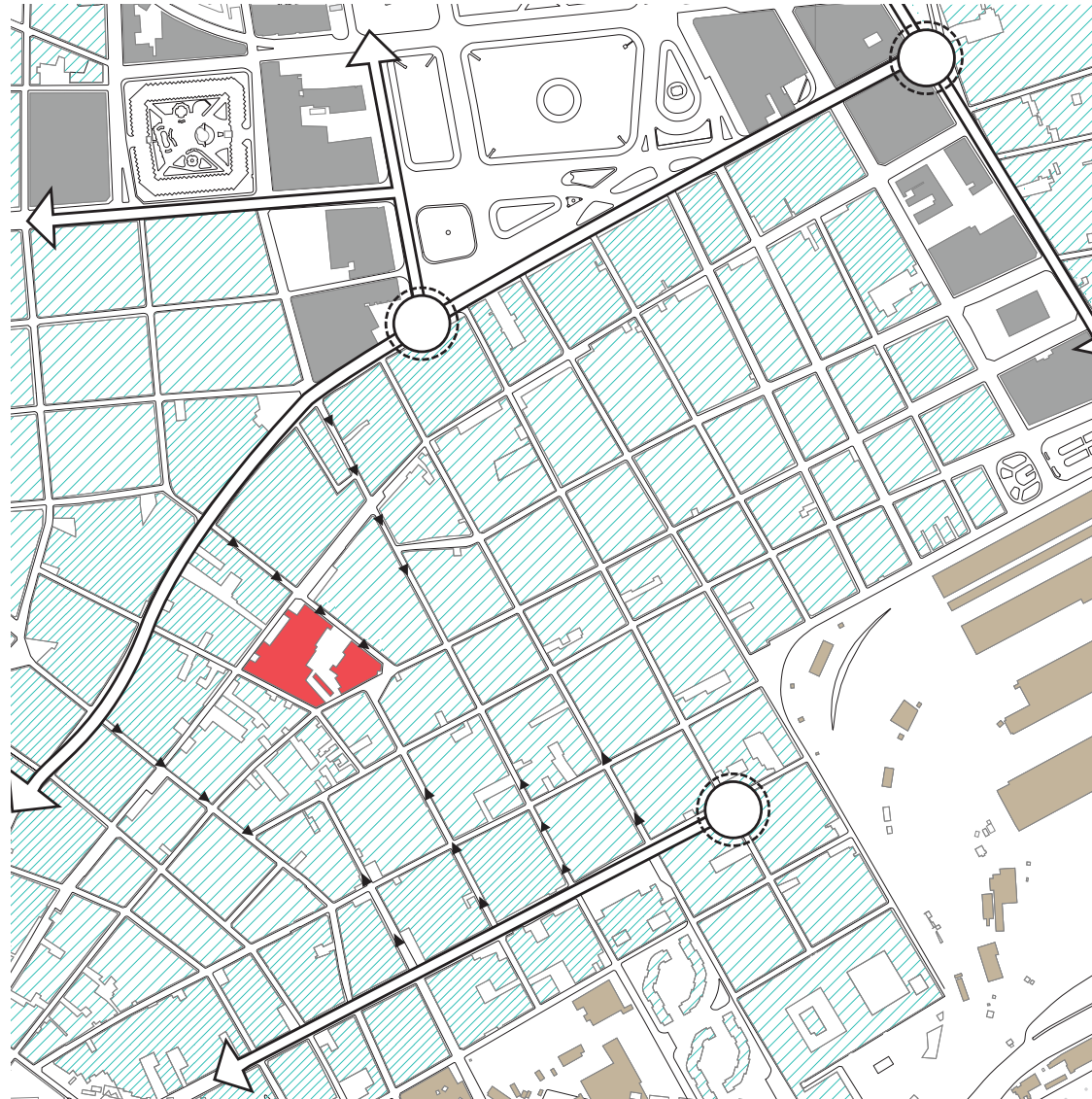
Jesus Maria

SPACE RELATION



Jesus Maria

JESUS MARIA



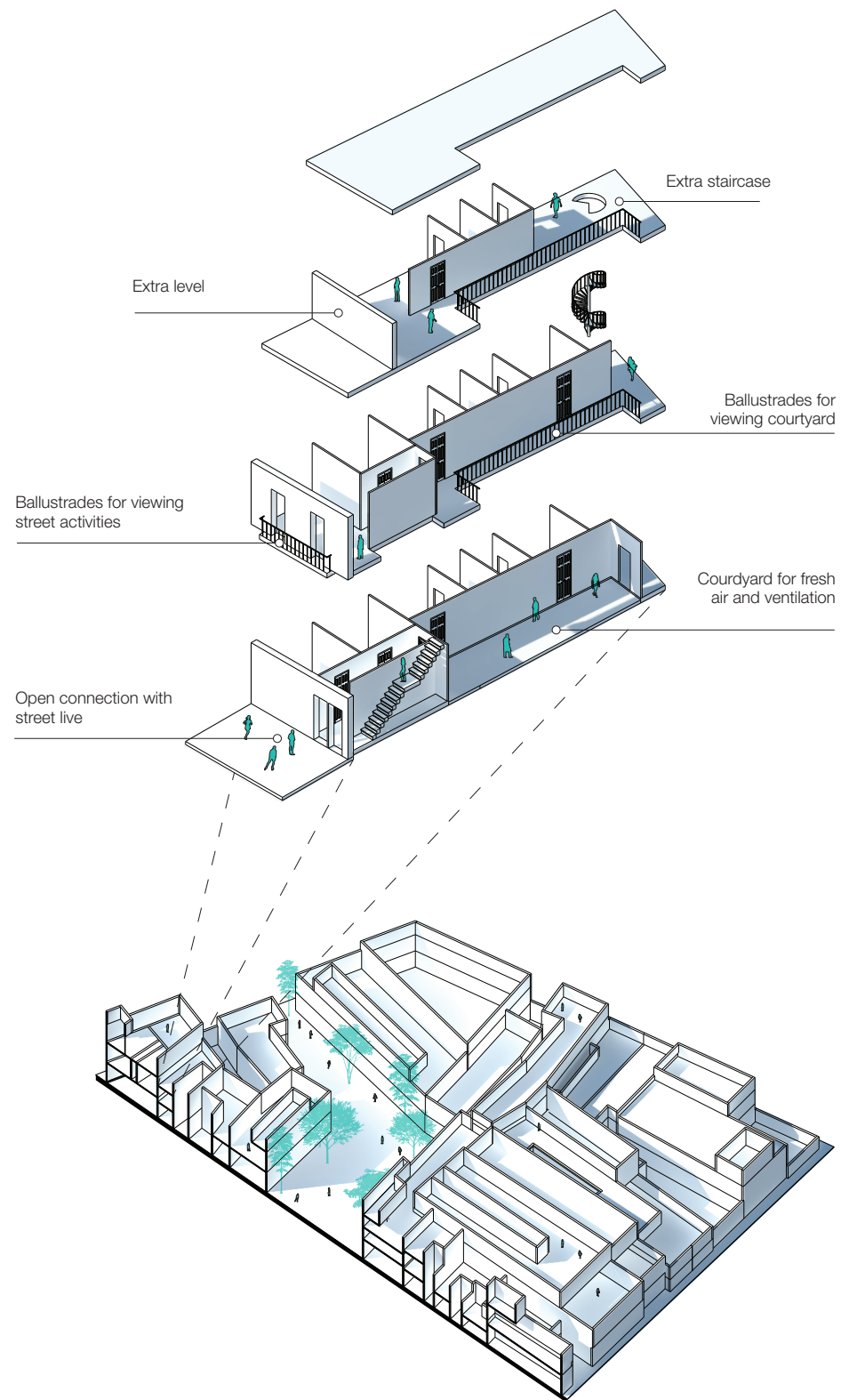
BUILDING BLOCK



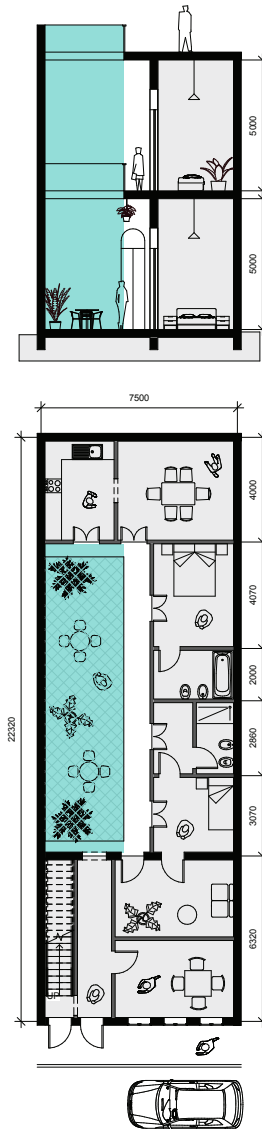
IN BETWEEN



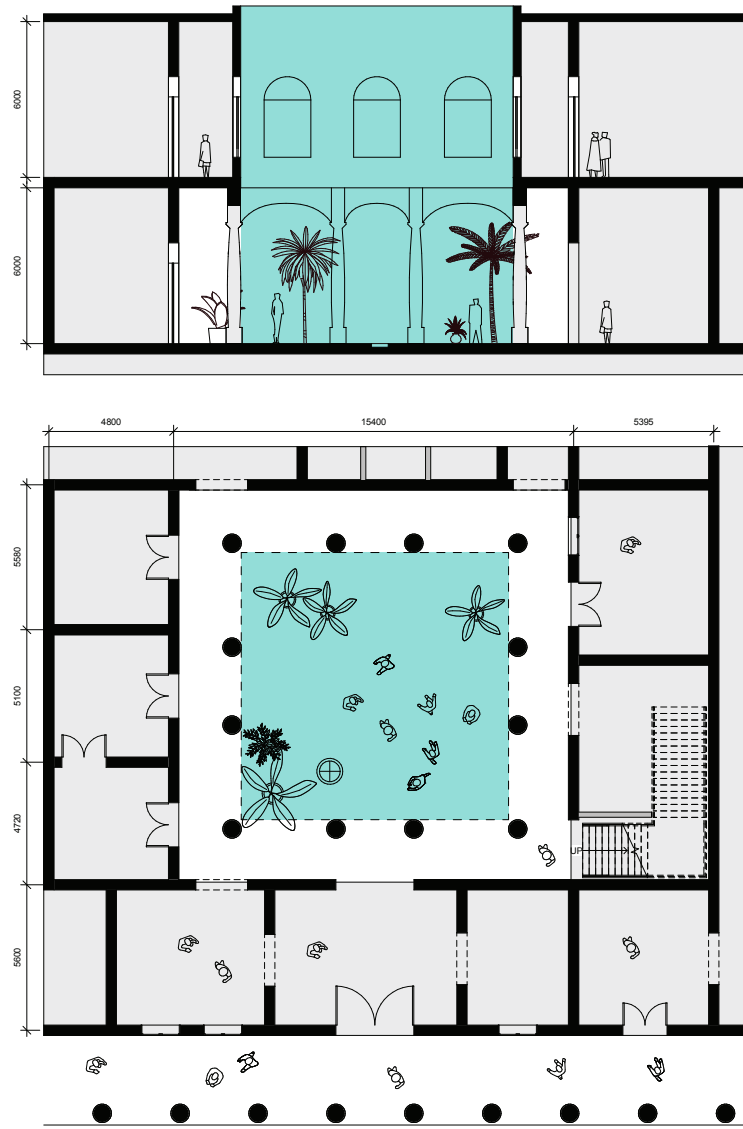




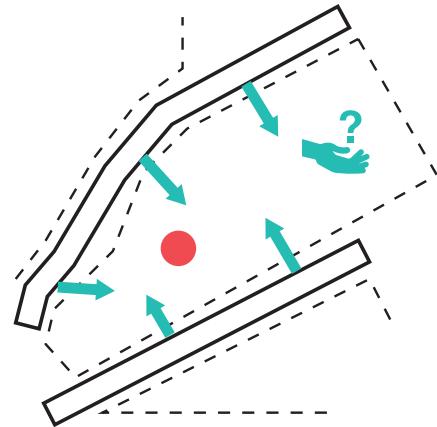
COMMON COURTYARD



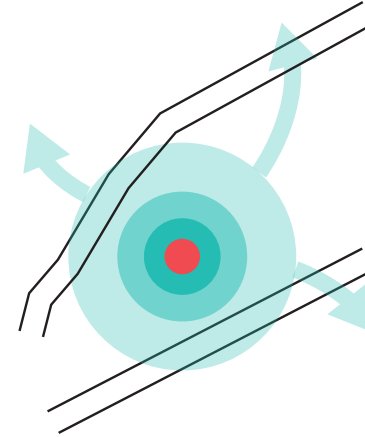
TRADITIONAL COURTYARD



WHY THIS BLOCK?



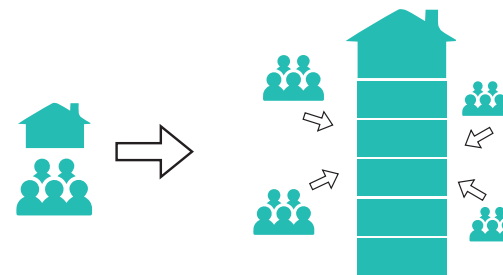
Social community



Influence



Poor conditions



Hotel cooperativo

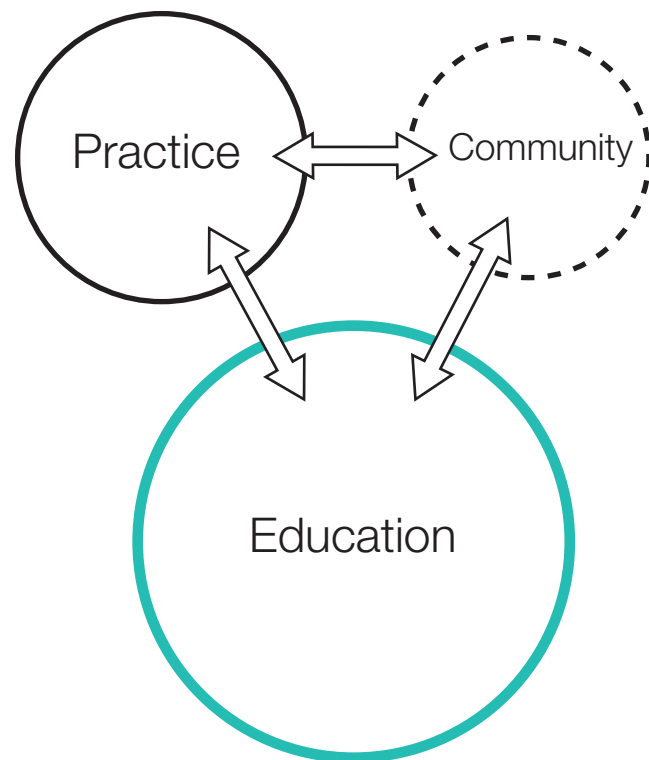


FORM FOLLOWS DEDUCTION

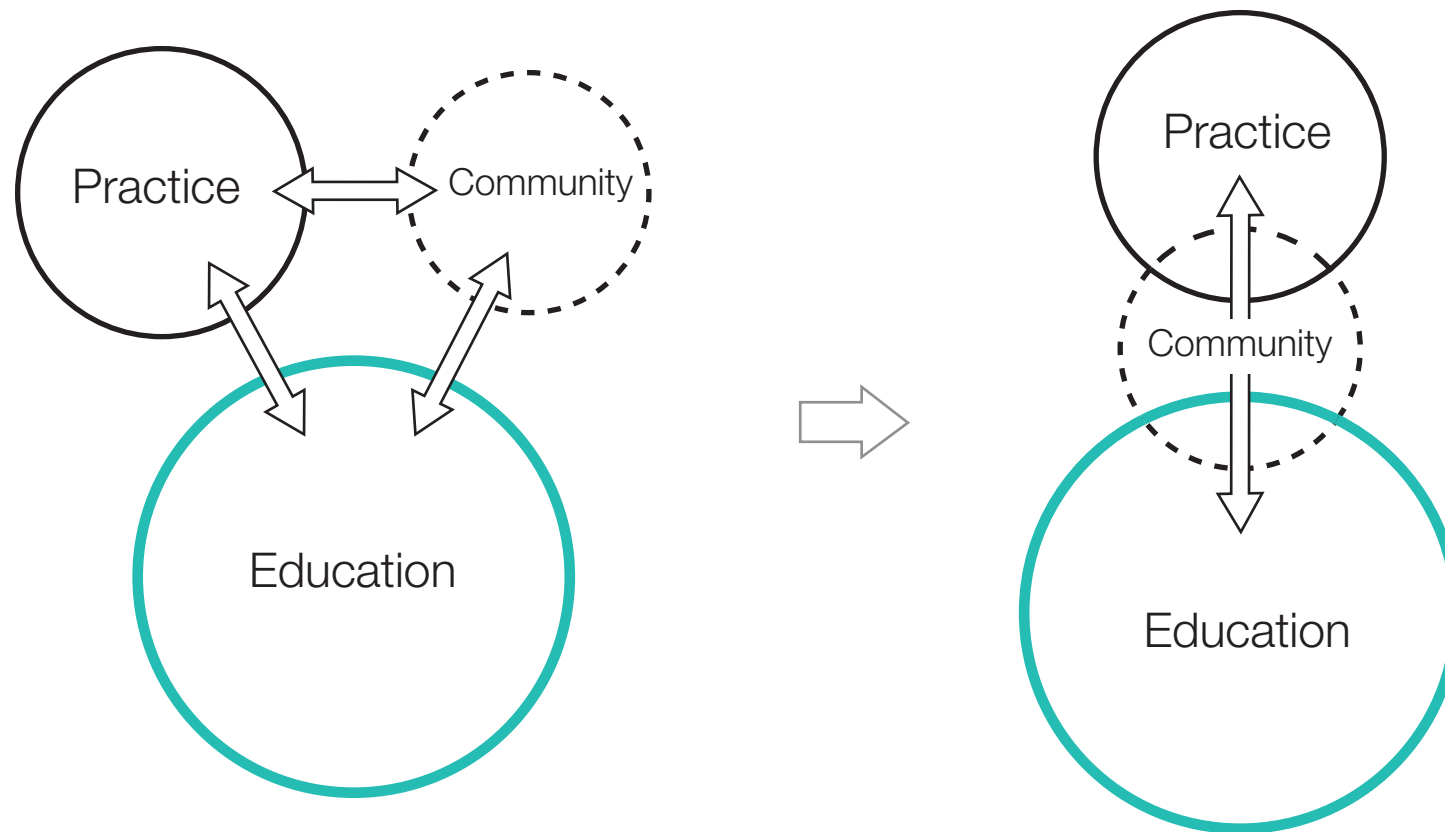
EDUCATION - PRACTICE - COMMUNITY



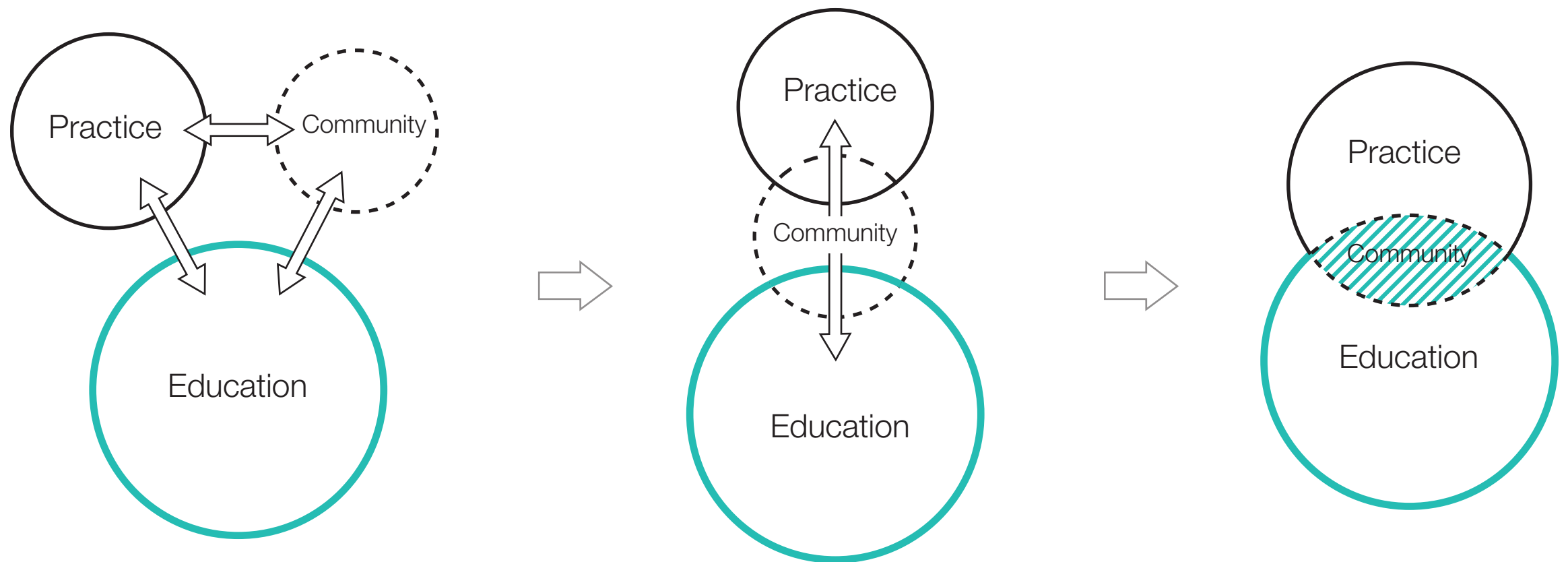
EDUCATION - PRACTICE - COMMUNITY

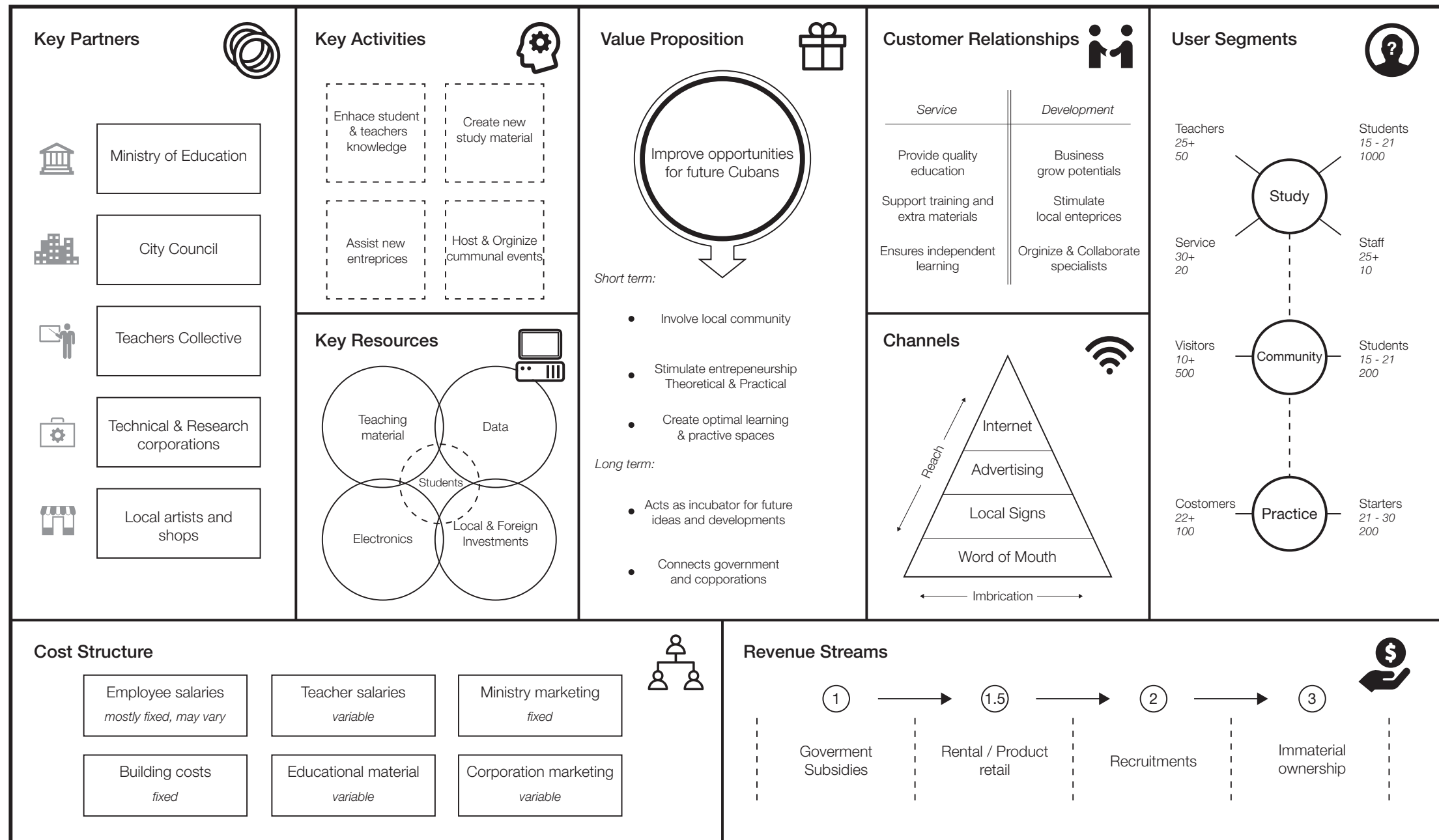


EDUCATION - PRACTICE - COMMUNITY



EDUCATION - PRACTICE - COMMUNITY



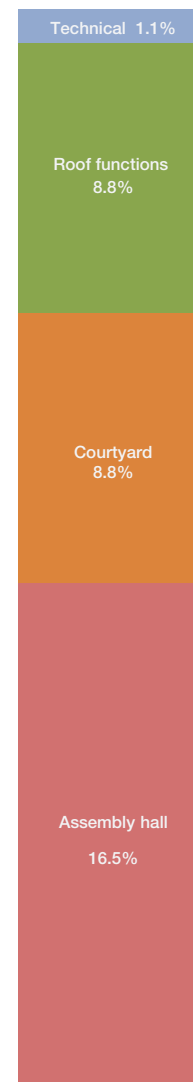


PROGRAM

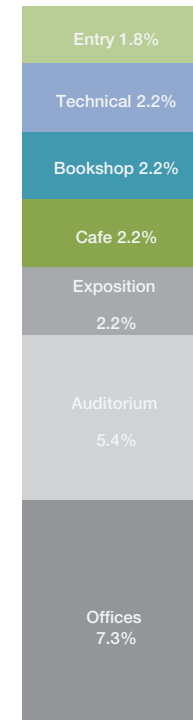
STUDY 3400 m2

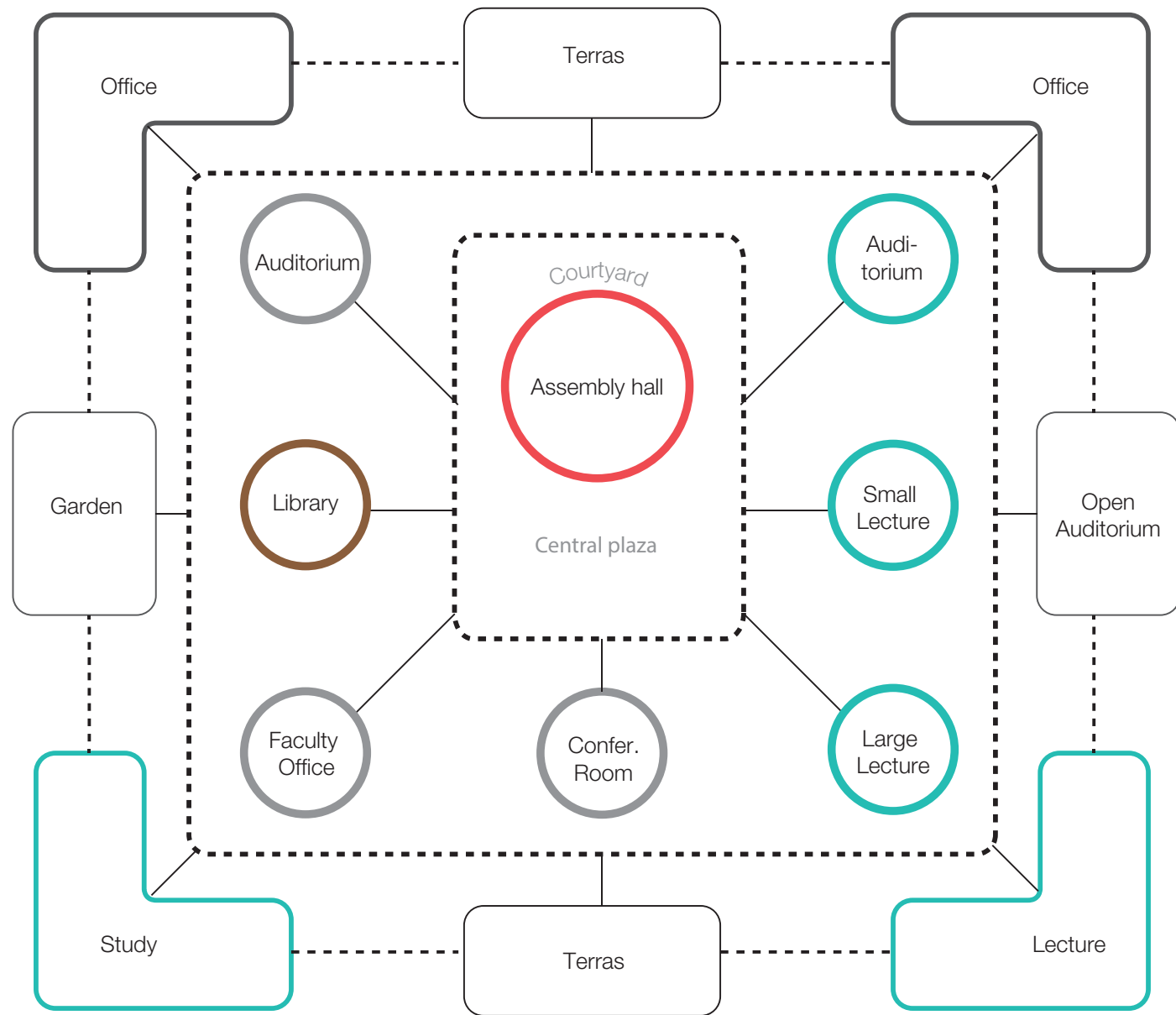


COMMUNITY 2900 m2

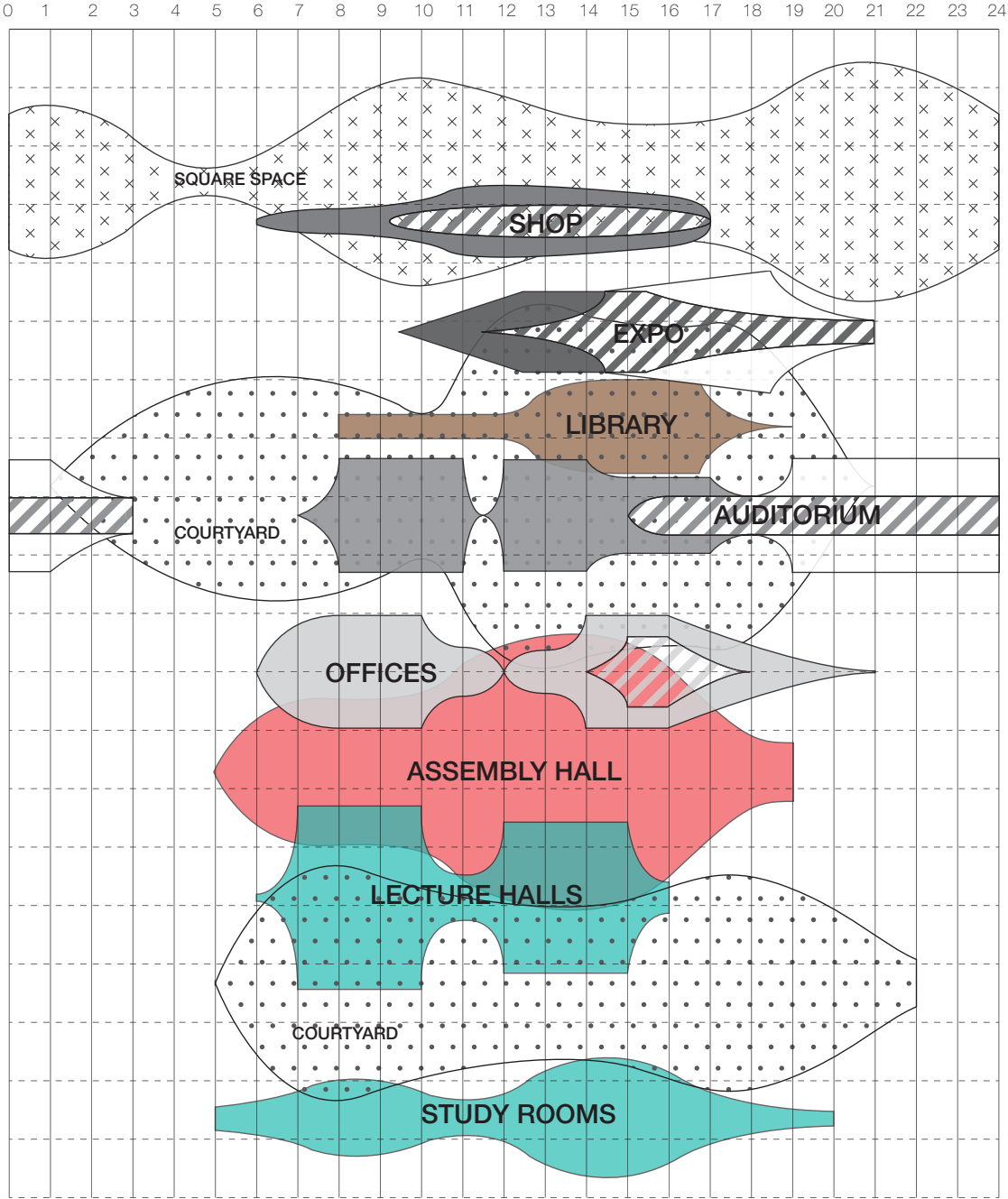


PRACTICE 1900 m2





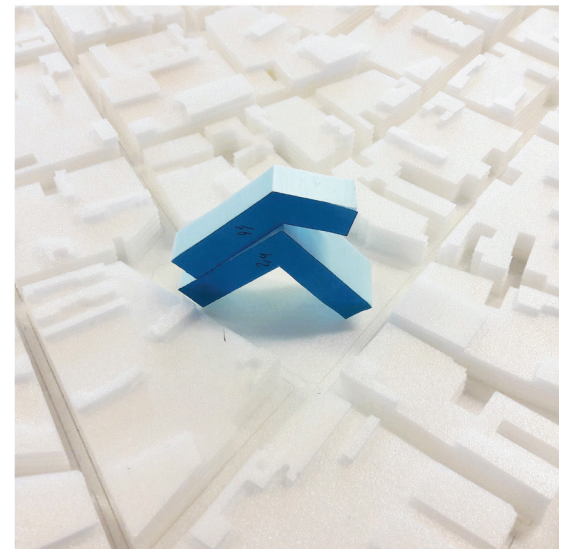
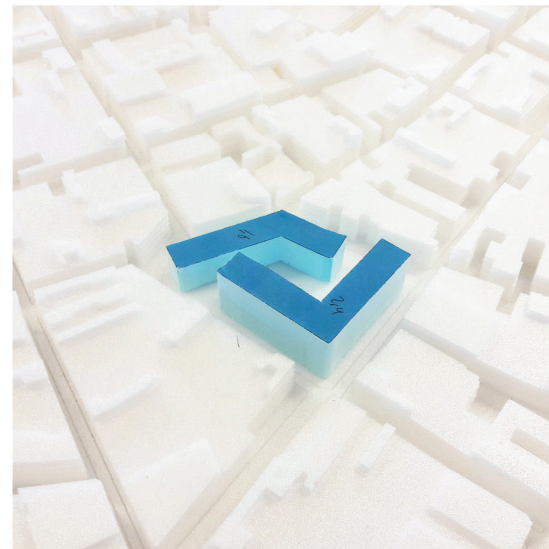
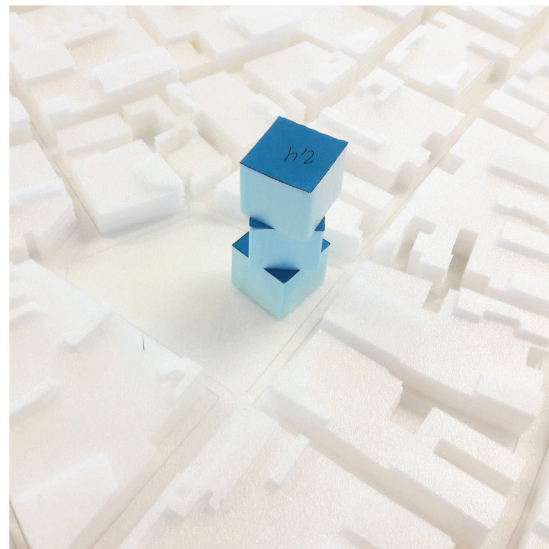
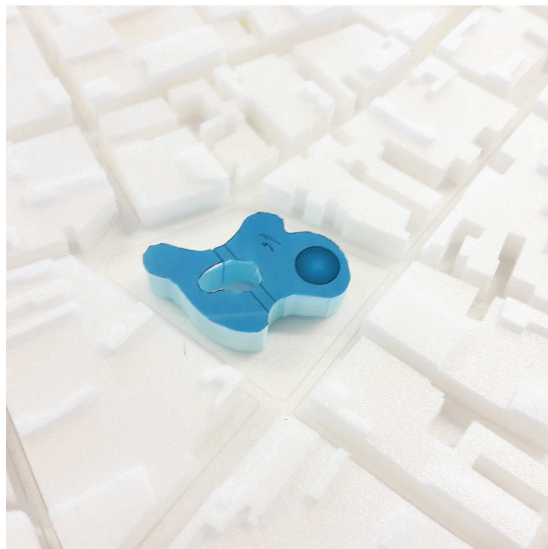
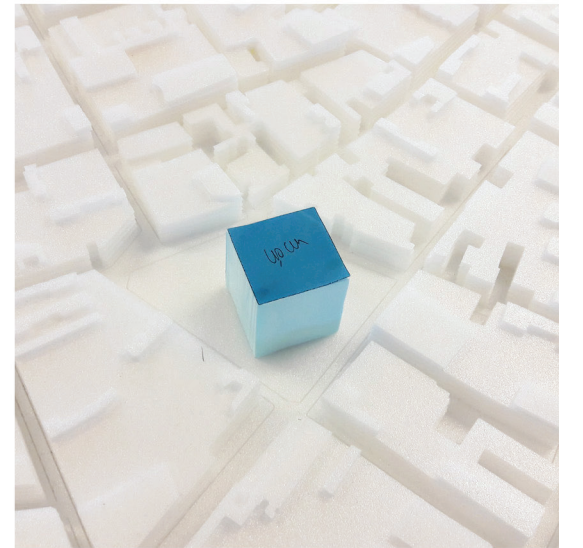
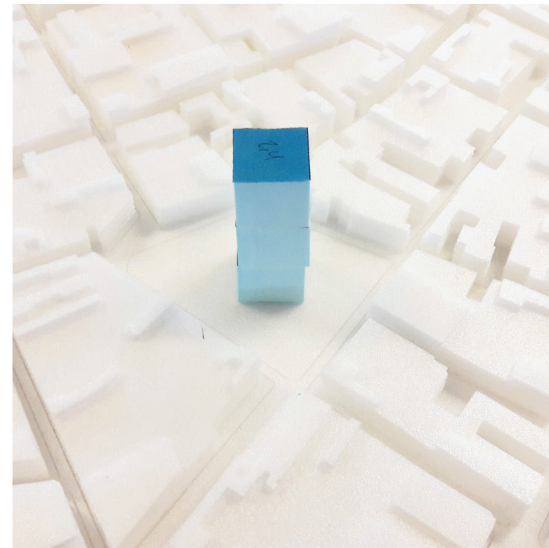
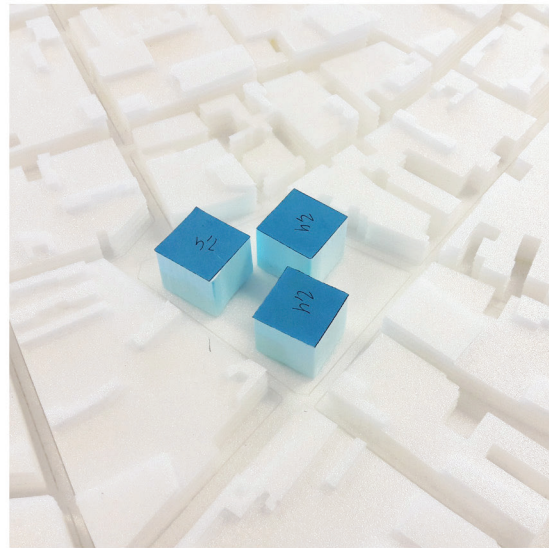
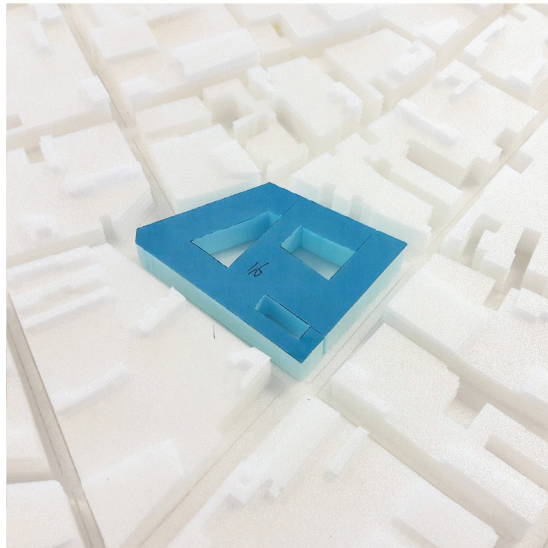
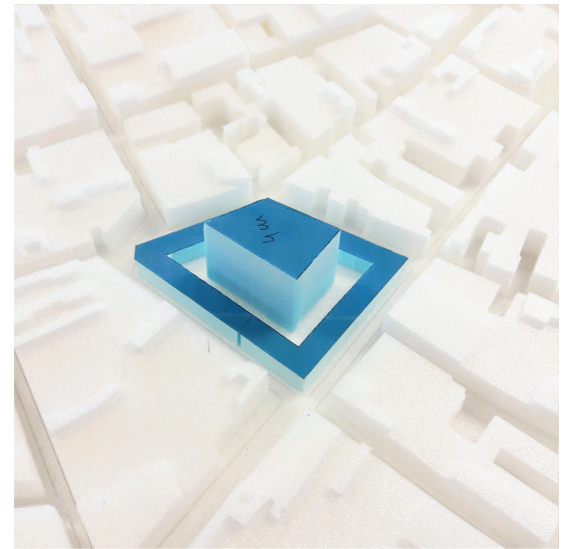
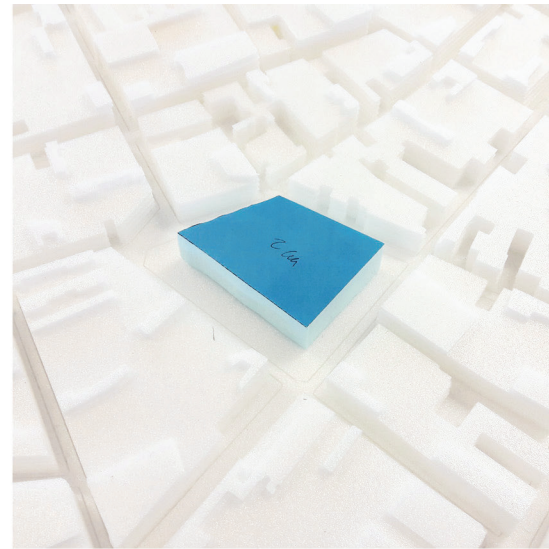
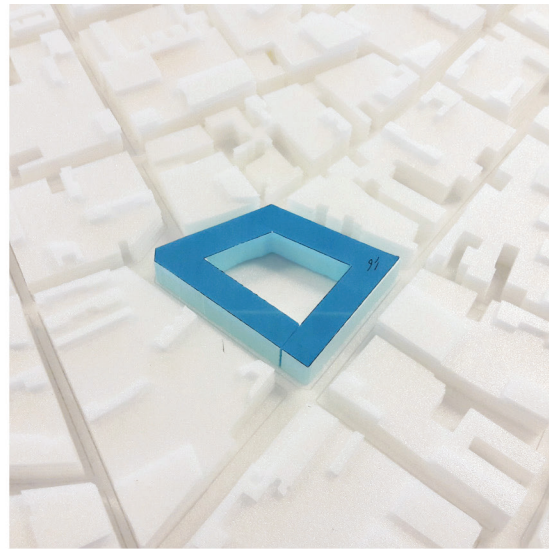
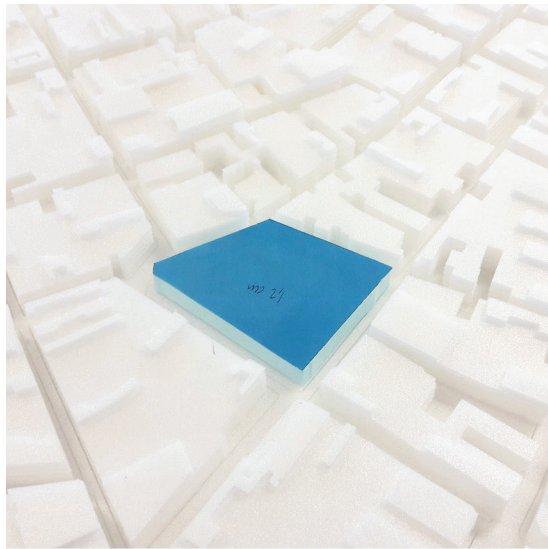
OCCUPANCY



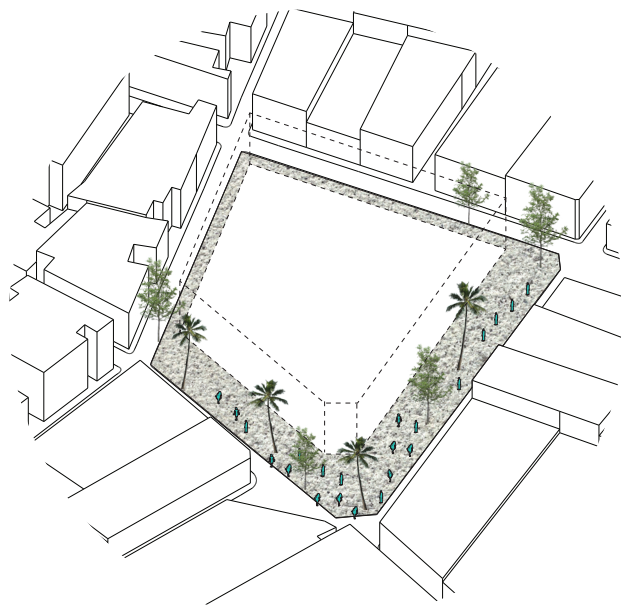


CONTEXTUAL RESTRICTIONS

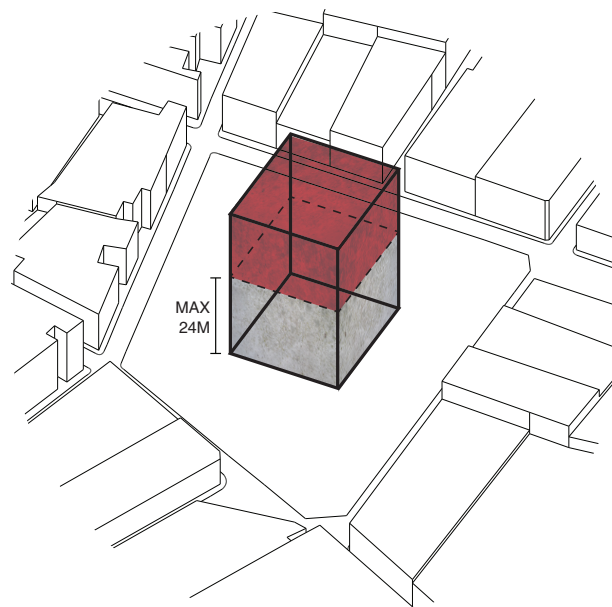




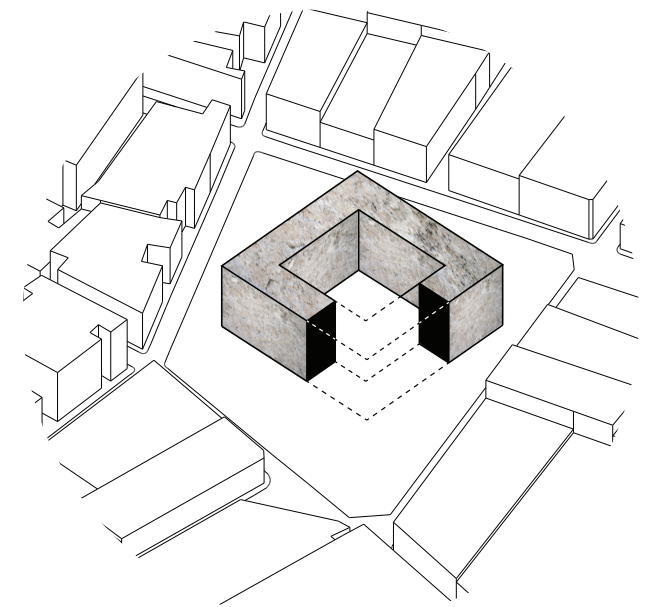
URBAN RESTRICTIONS



Offset

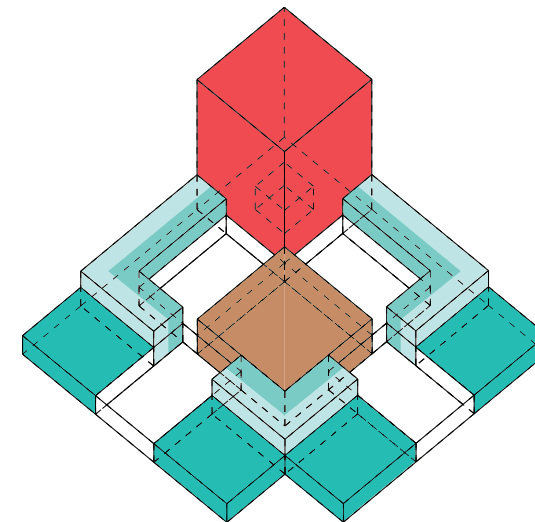
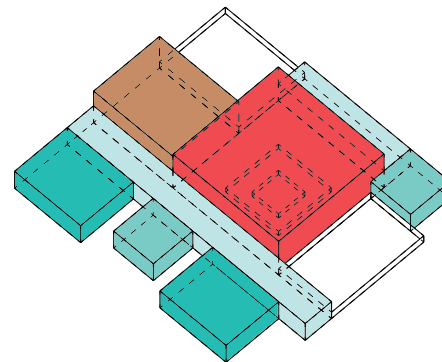
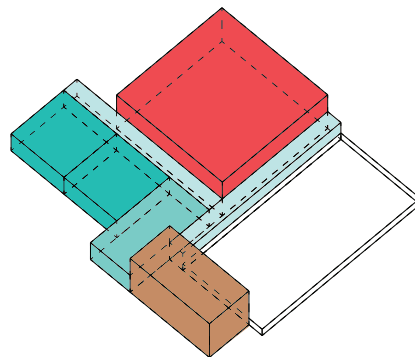
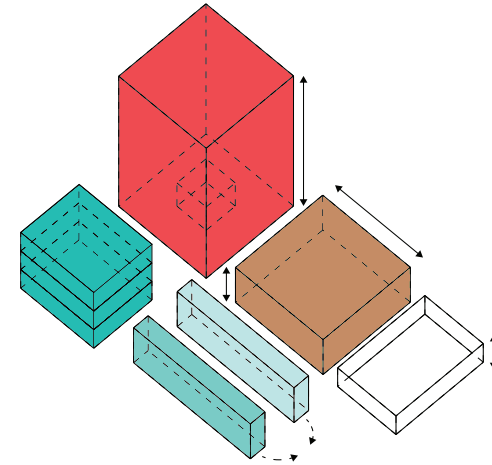
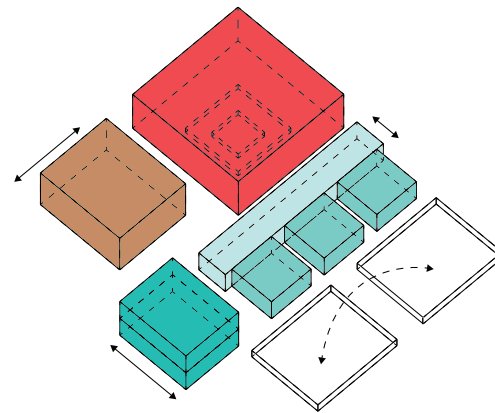
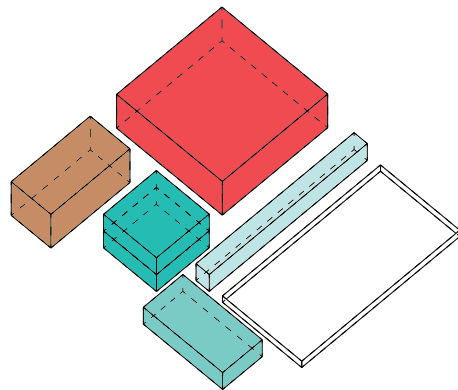


Max Height



Courtyards

VARIATIONS

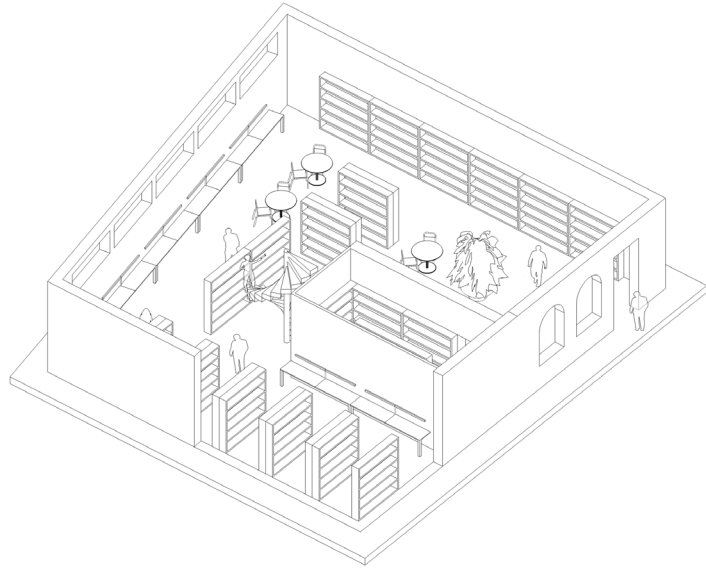


Basic displacement

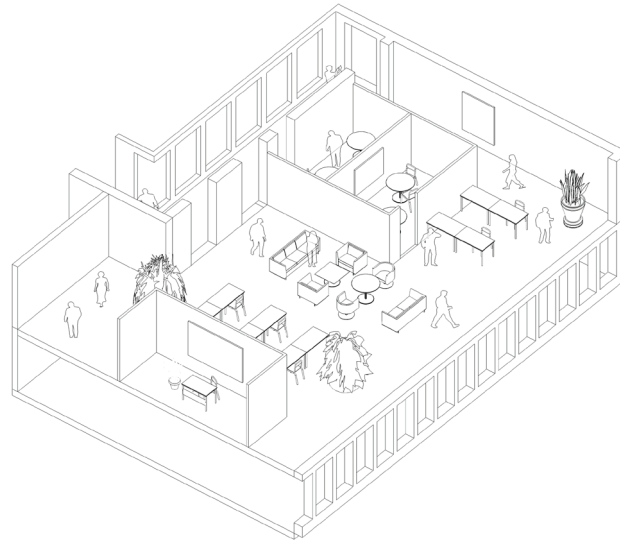
Horizontal displacement

Vertical displacement

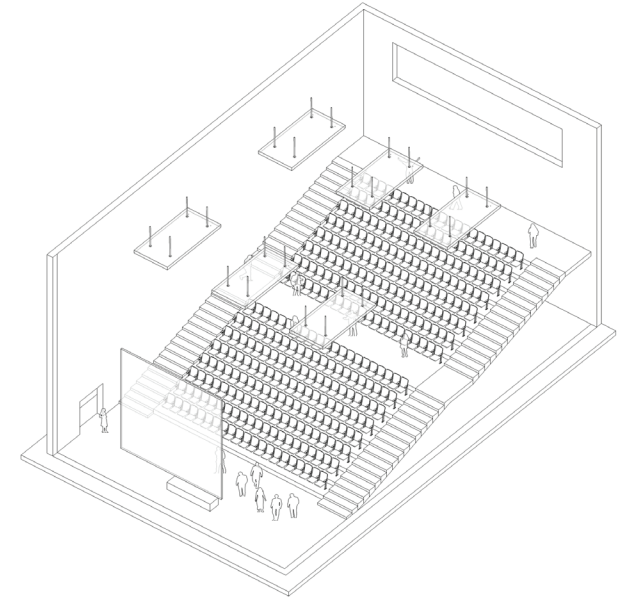
SPACE STUDY



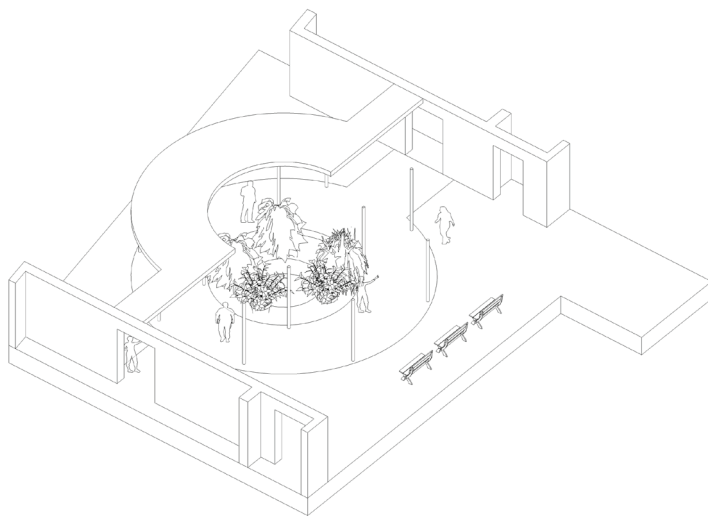
Library



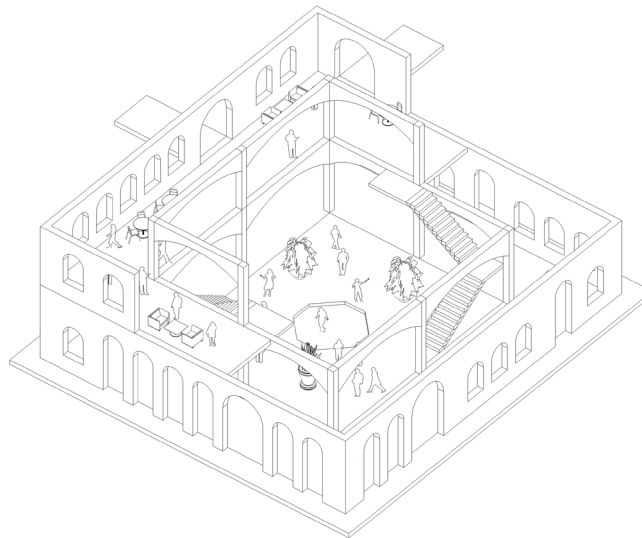
Study area



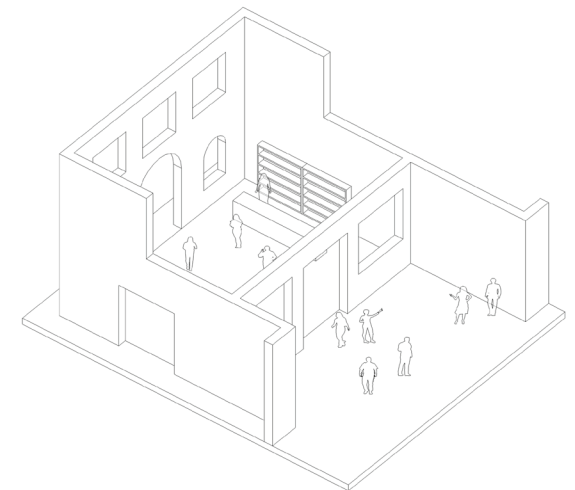
Auditorium



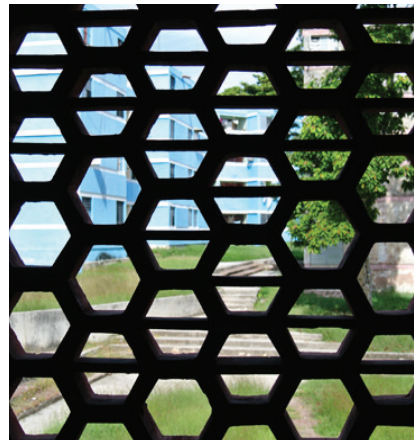
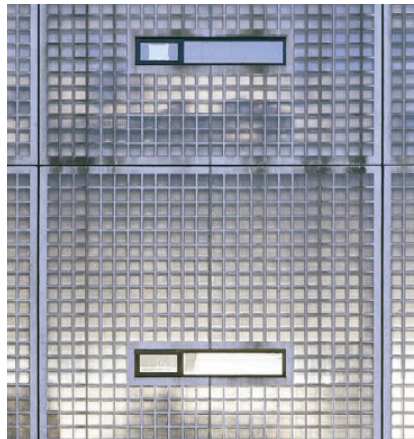
Roof Garden



Assembly Hall

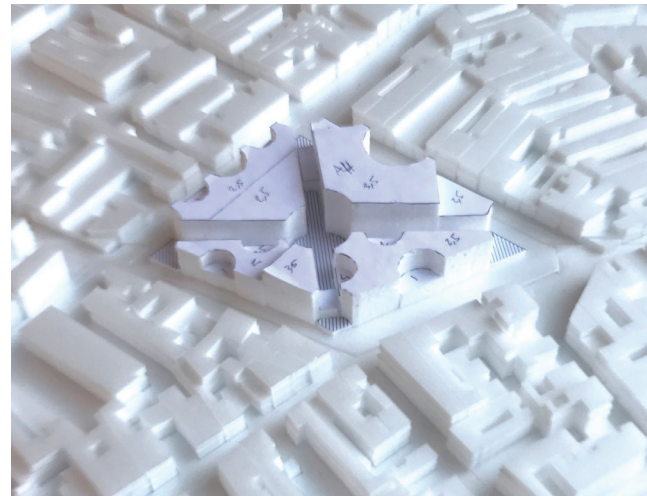


Entrance





Form contrast



Punctured



Form collage



Previous block



Functional



Courtyards

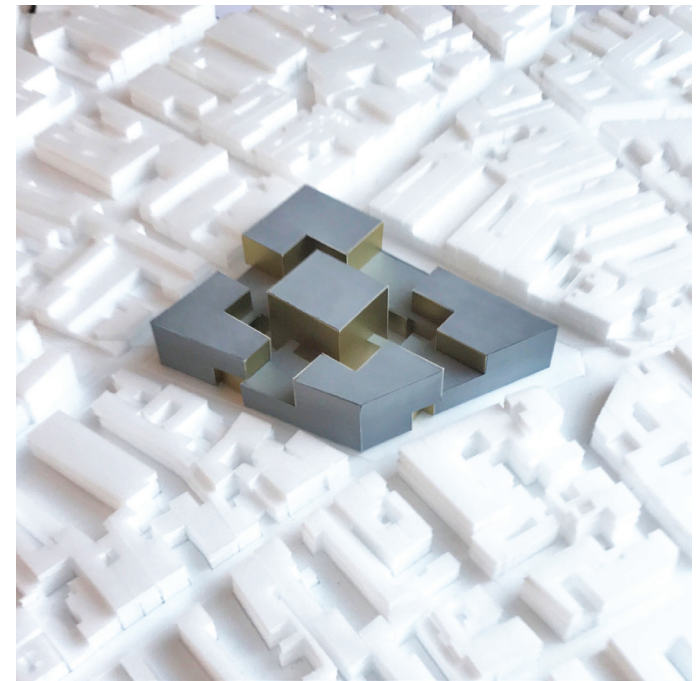
MAIN THEMES



Cut solid

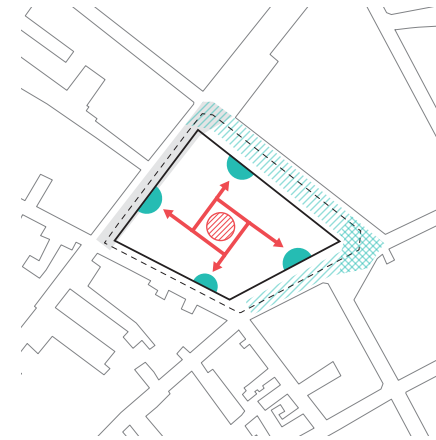
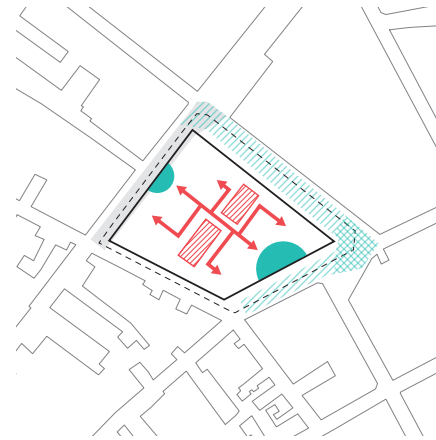
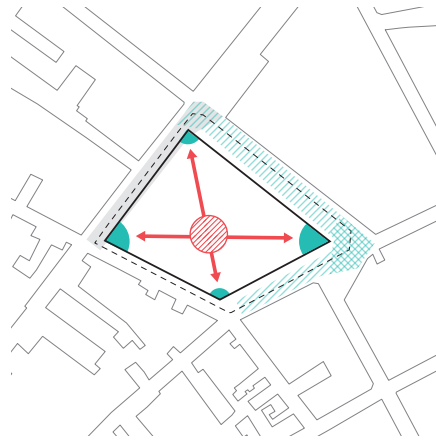


Amiguous

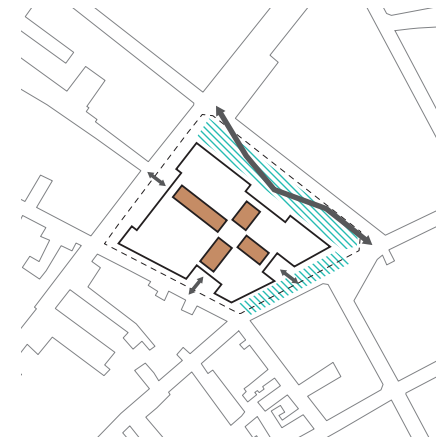
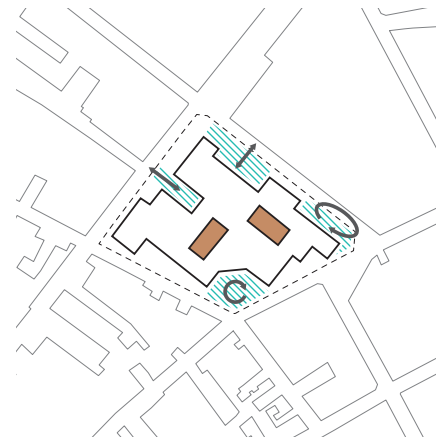
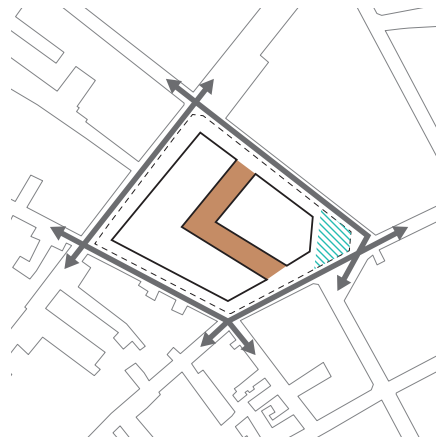


Monolith

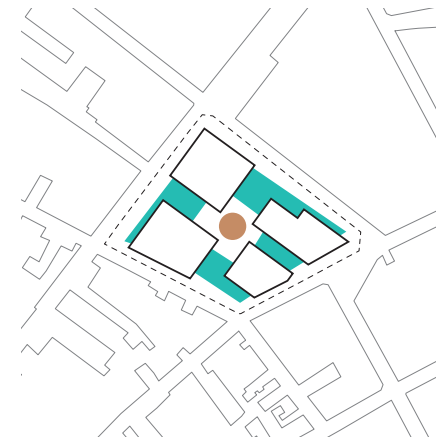
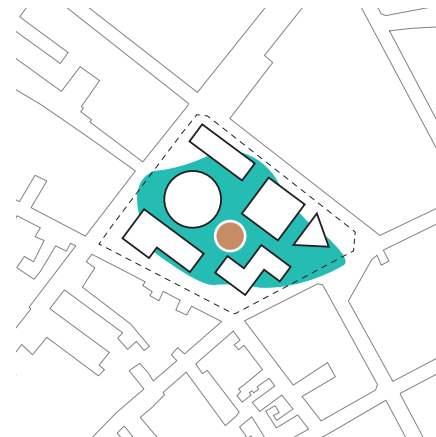
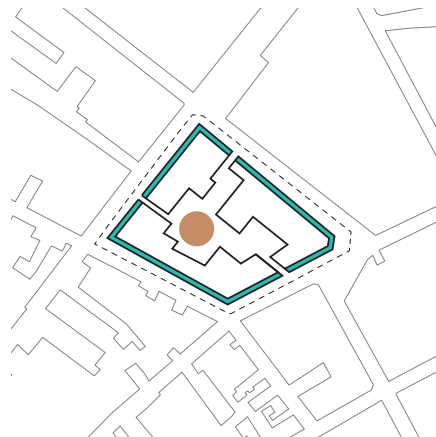
Routing



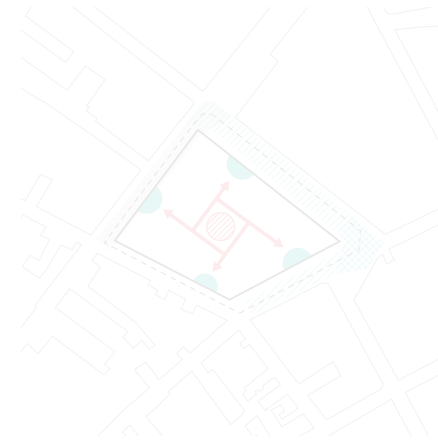
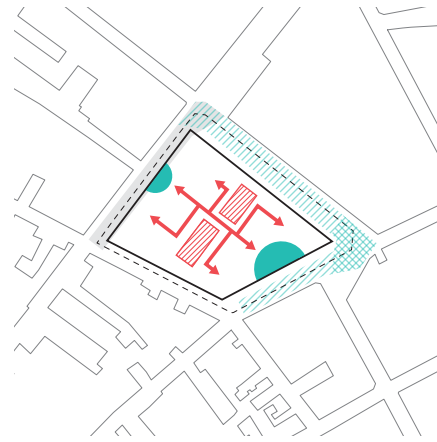
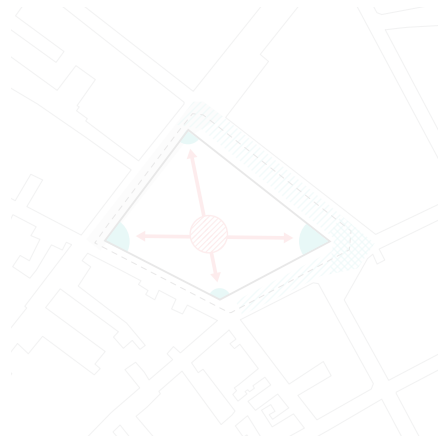
Formal / Informal



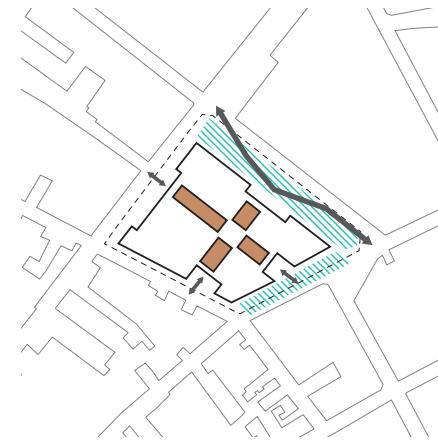
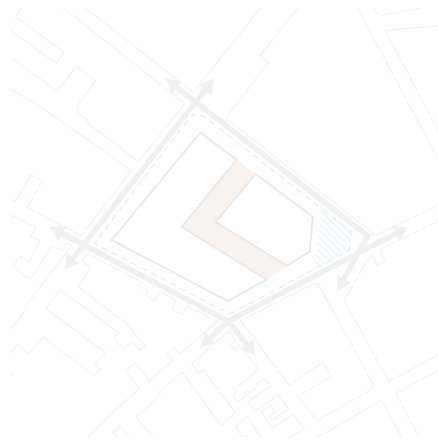
Introver / Extravert



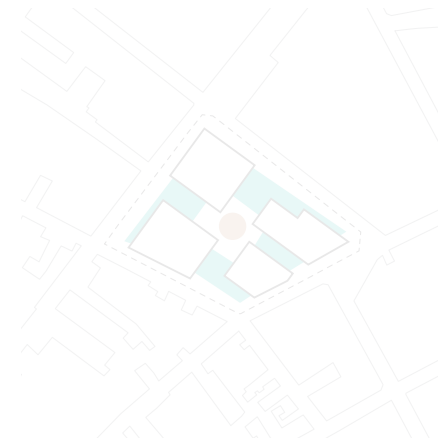
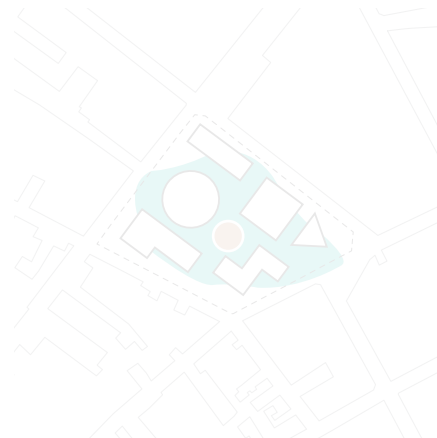
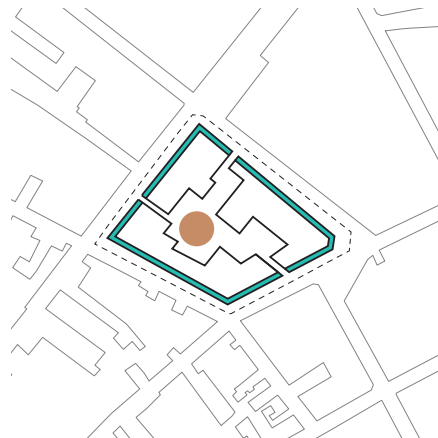
Routing



Formal / Informal



Introver / Extravert



CONTEXT



CONTACT

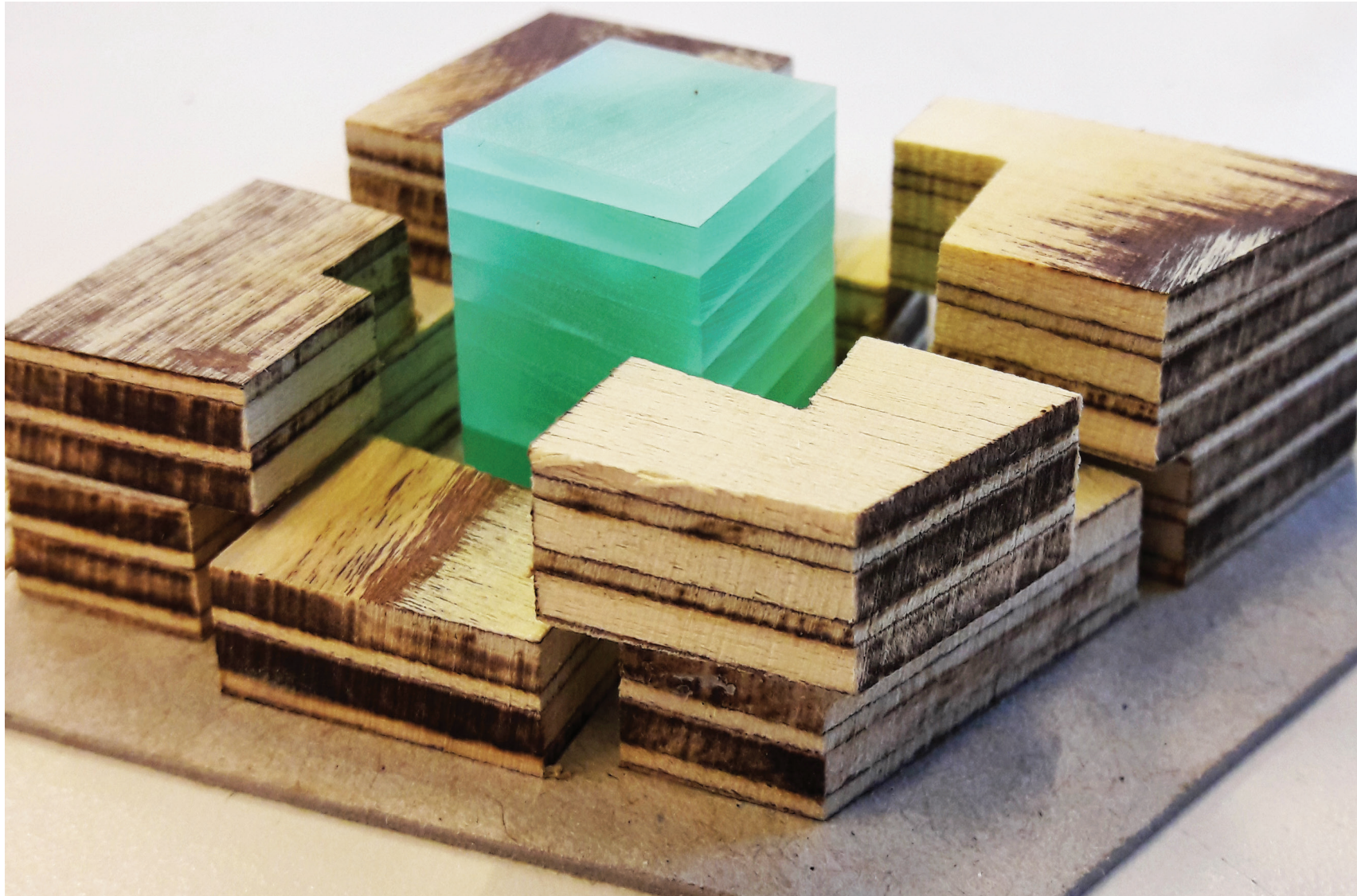


MOBILITY

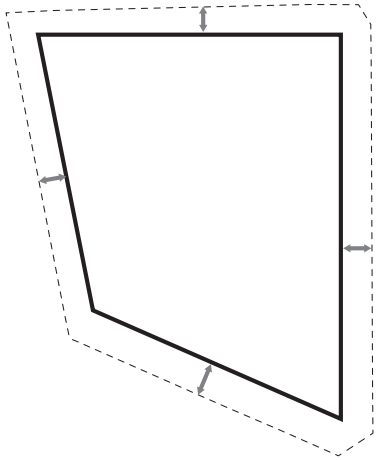


IMPACT

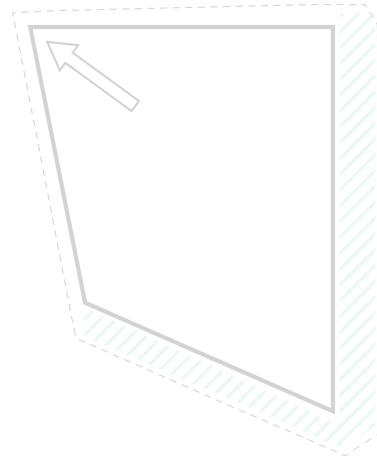




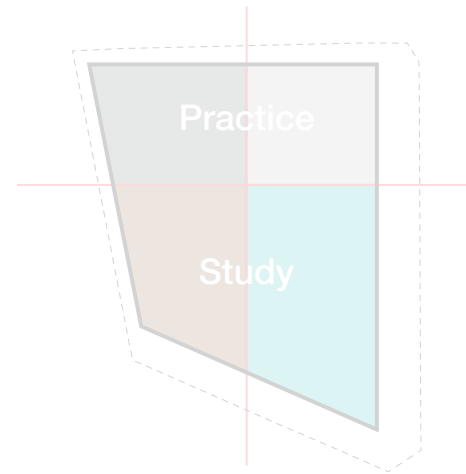
1. Offset



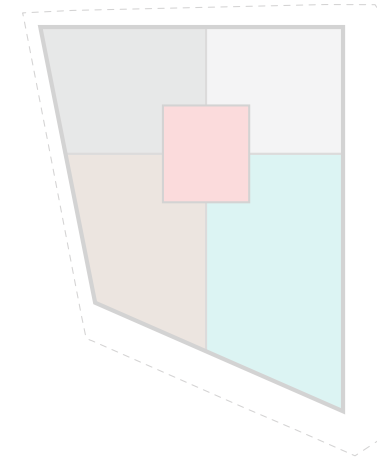
2. Create informal square



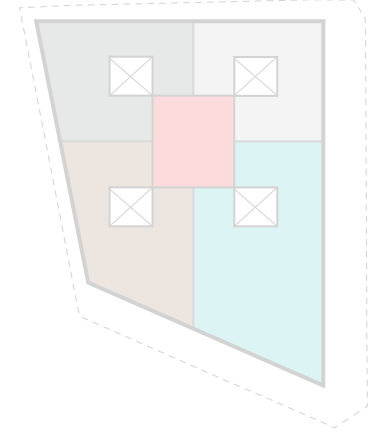
3. Program



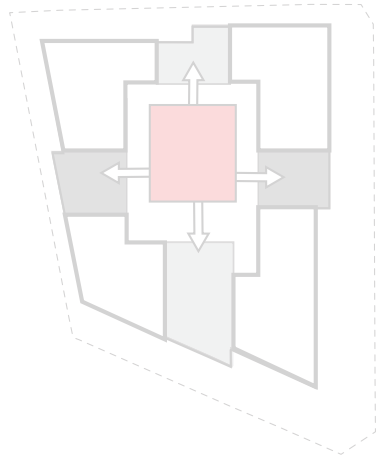
4. Assembly hall



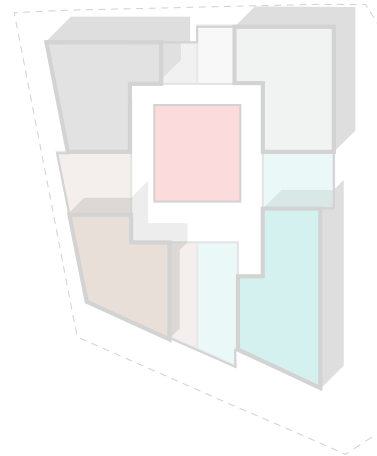
5. Courtyards



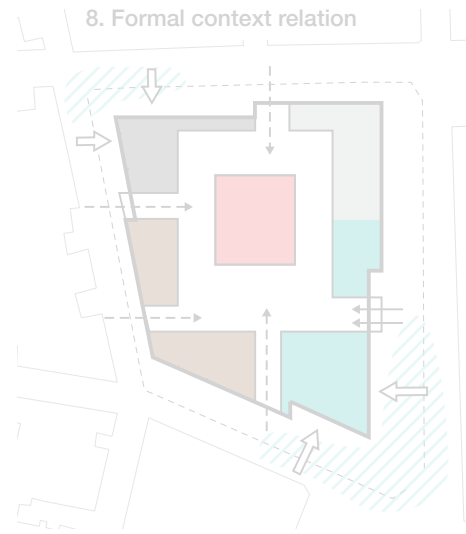
10. Levels



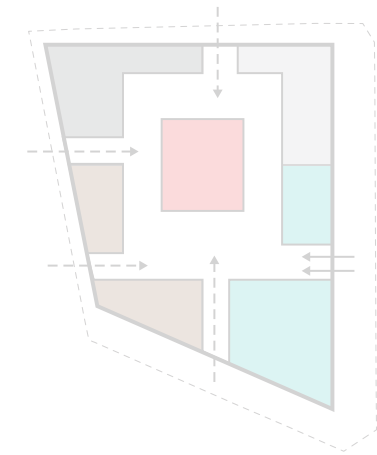
9. Corners



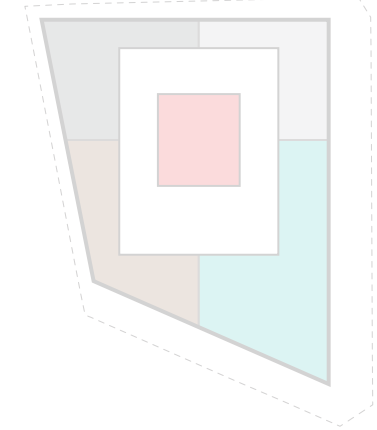
8. Formal context relation



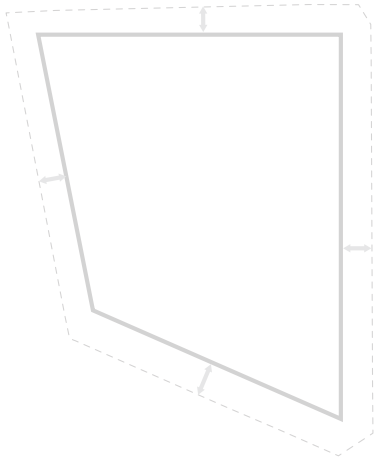
7. Entry



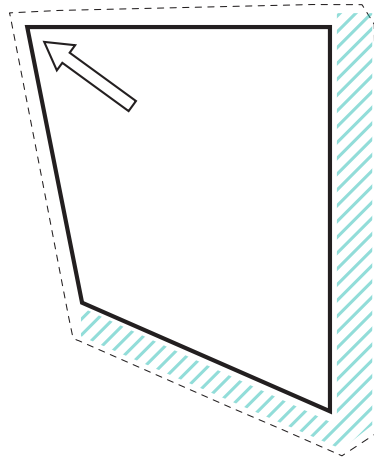
6. Merge together



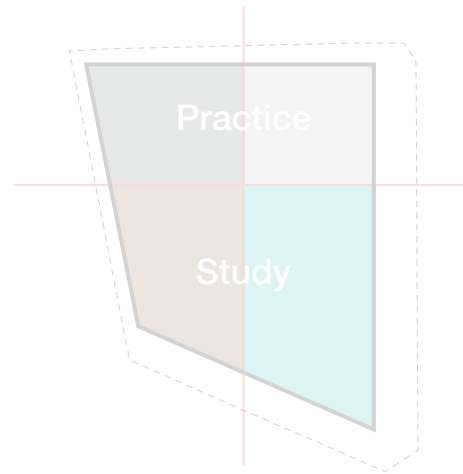
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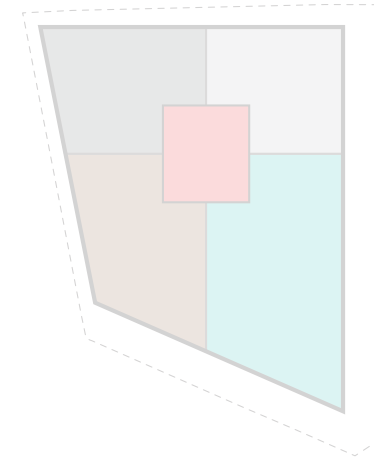
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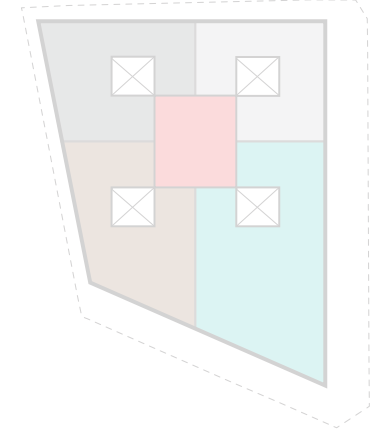
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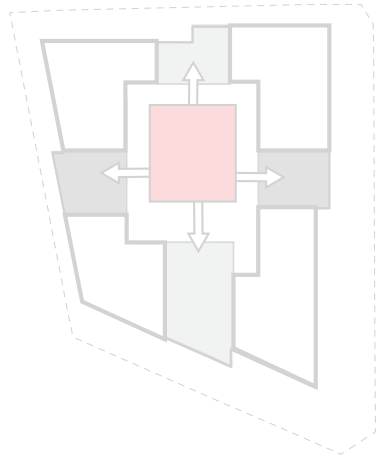
4. Assembly hall



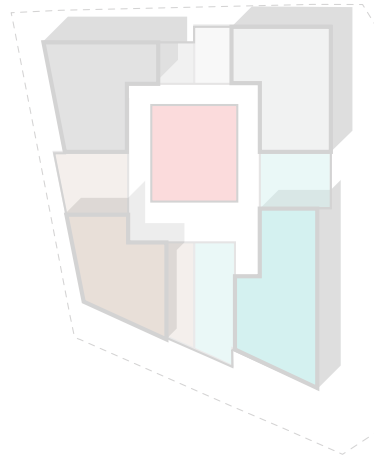
5. Courtyards



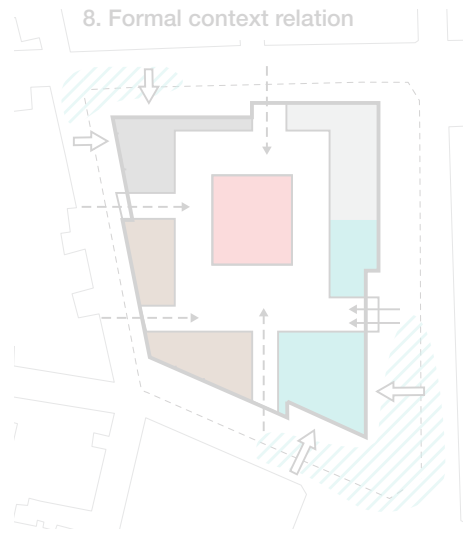
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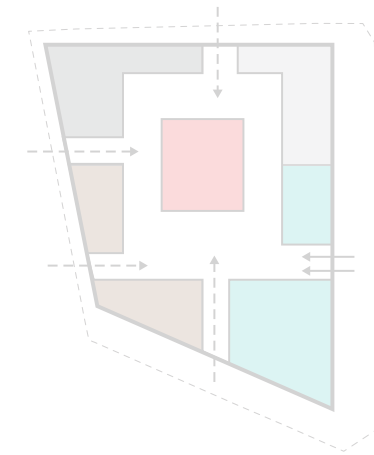
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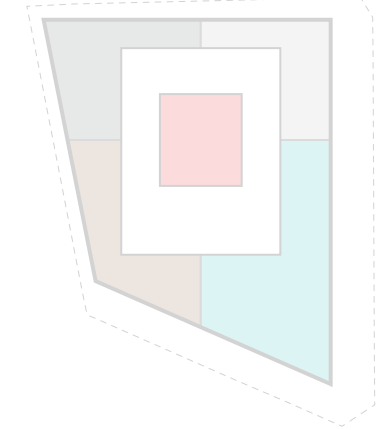
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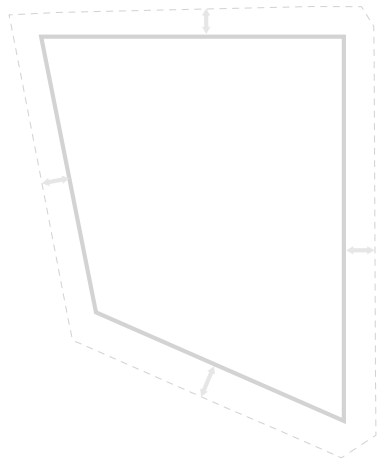
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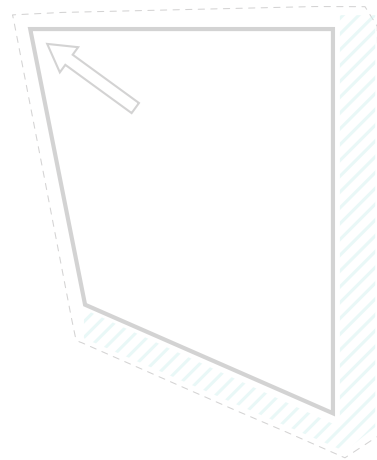
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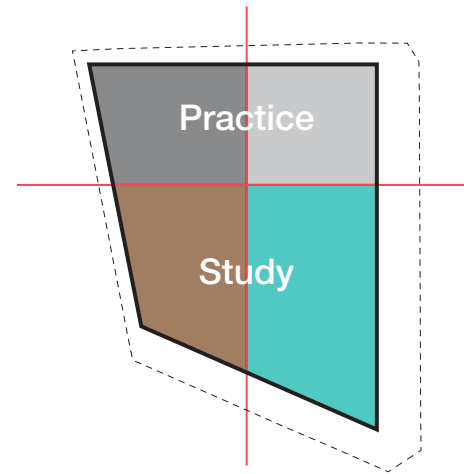
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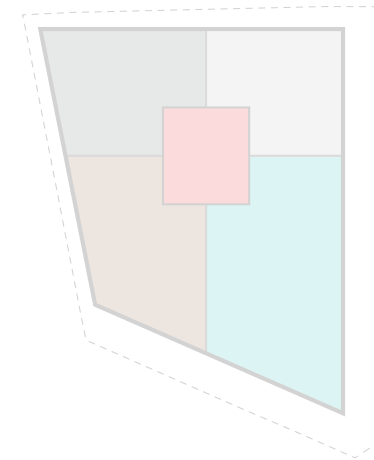
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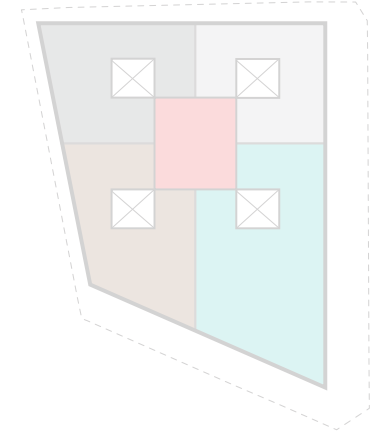
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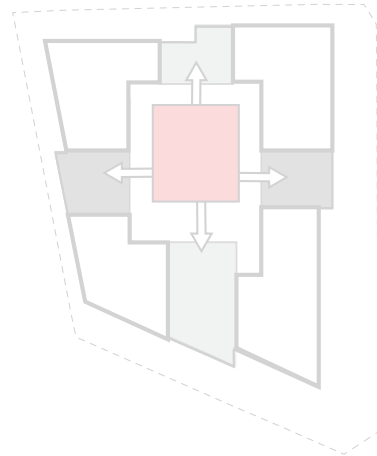
4. Assembly hall



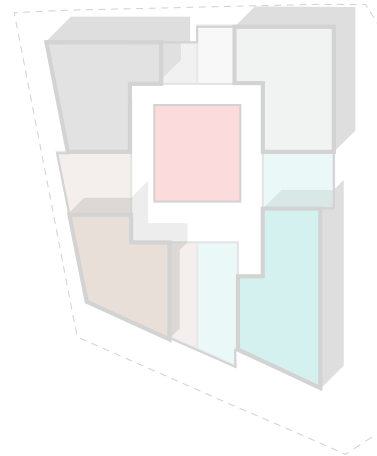
5. Courtyards



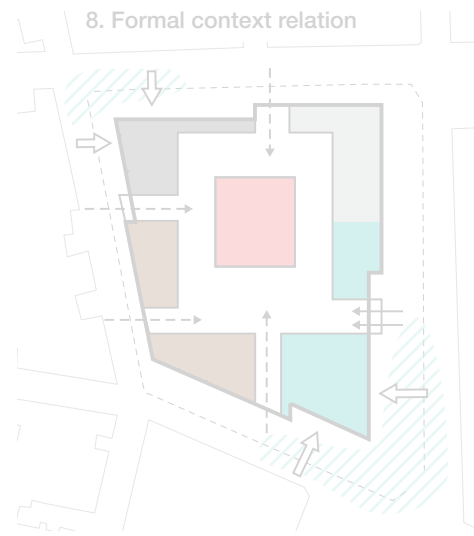
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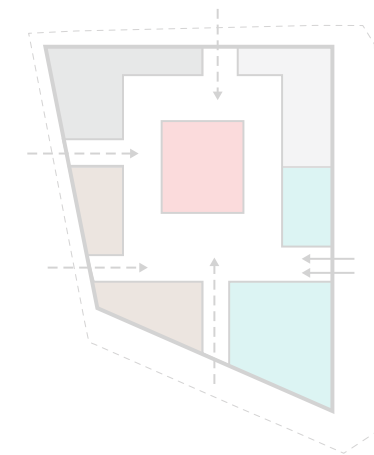
9. Corners



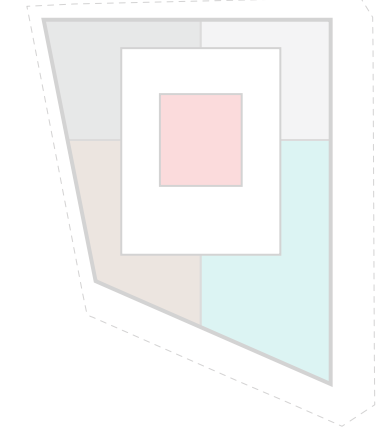
8. Formal context relation



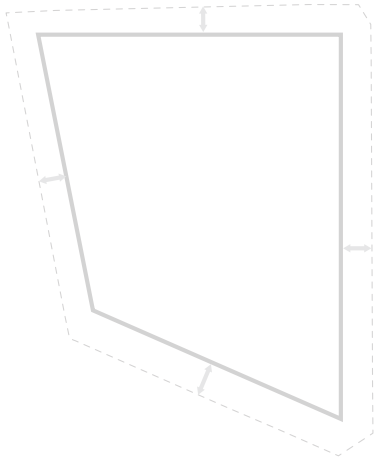
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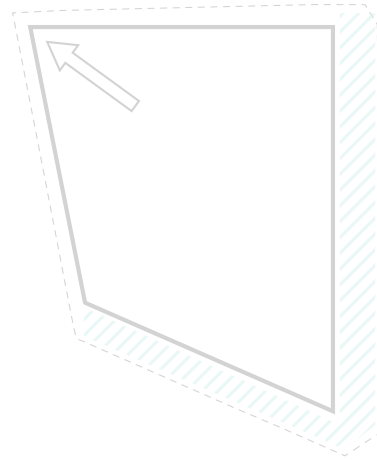
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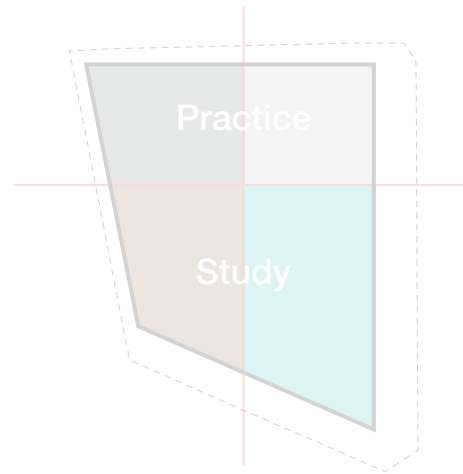
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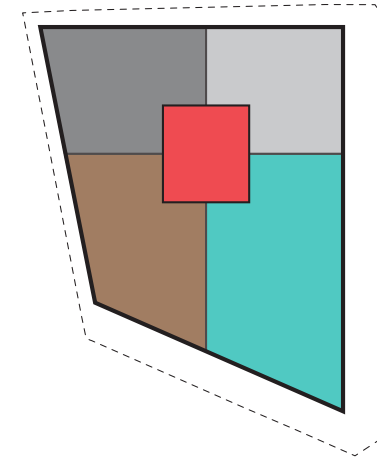
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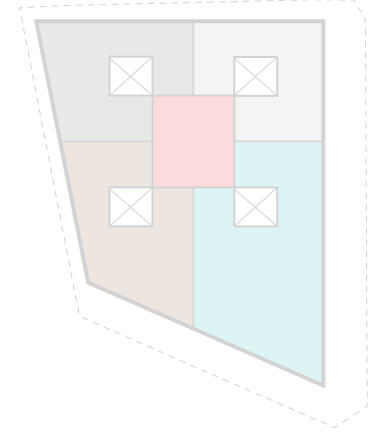
3. Program



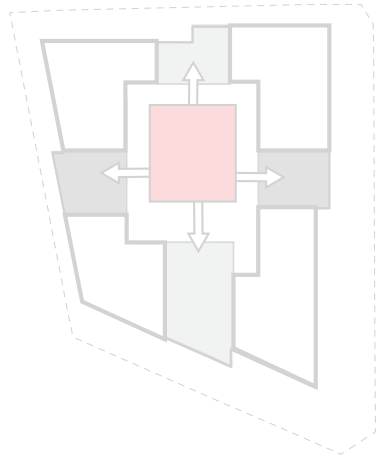
4. Assembly hall



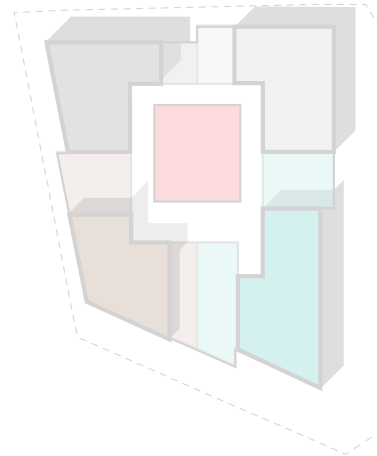
5. Courtyards



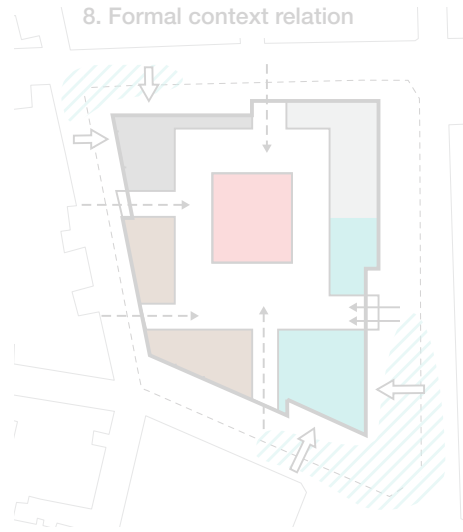
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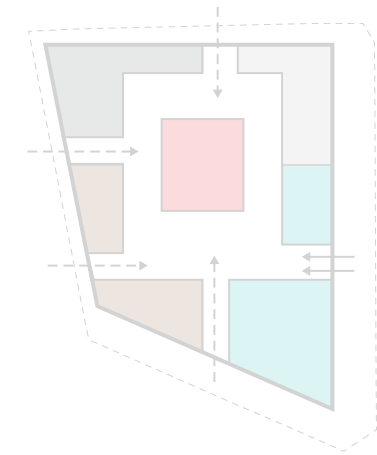
9. Corners



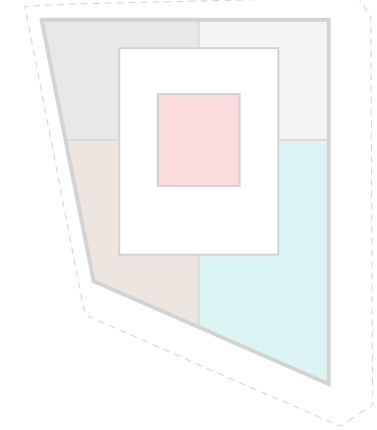
8. Formal context relation



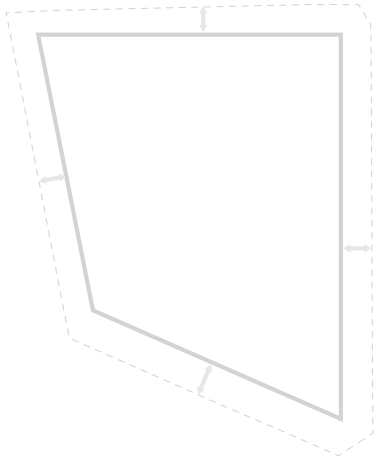
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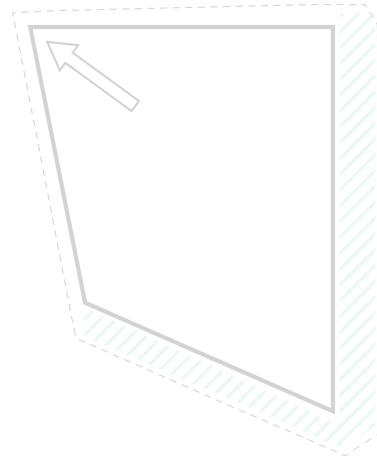
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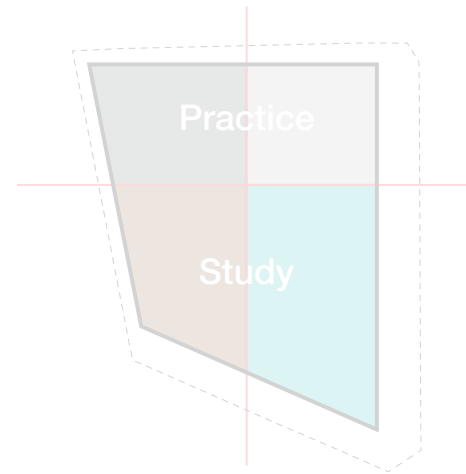
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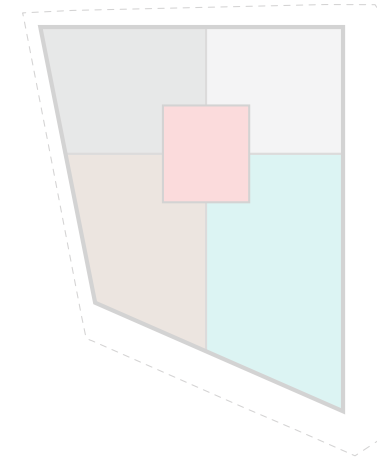
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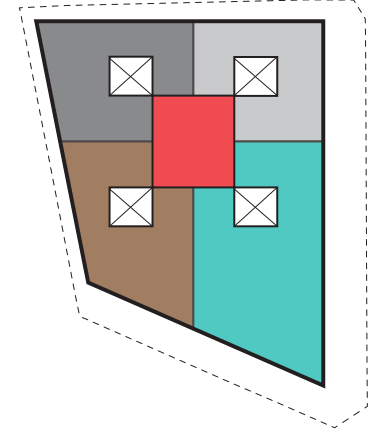
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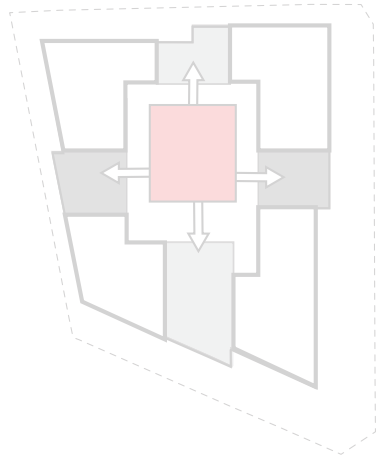
4. Assembly hall



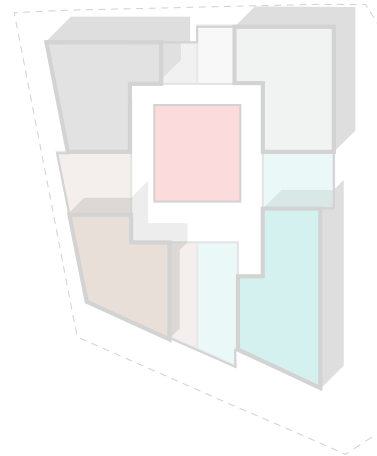
5. Courtyards



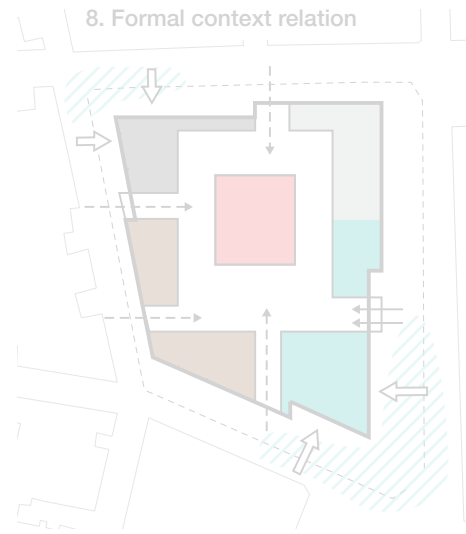
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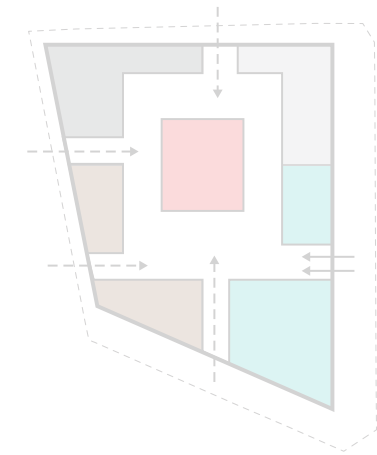
9. Corners



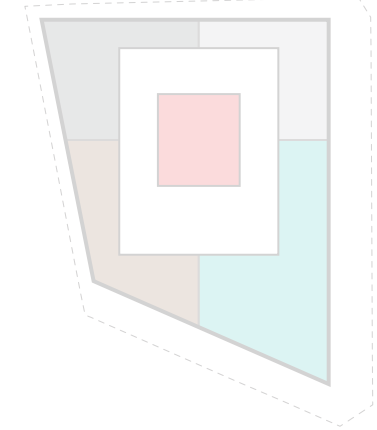
8. Formal context relation



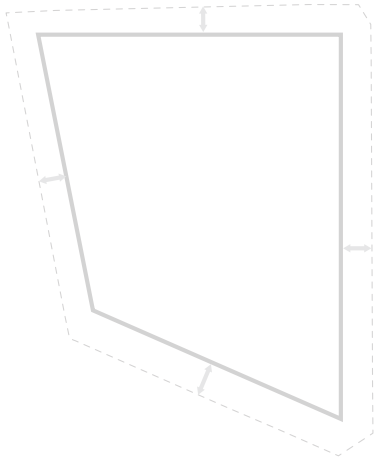
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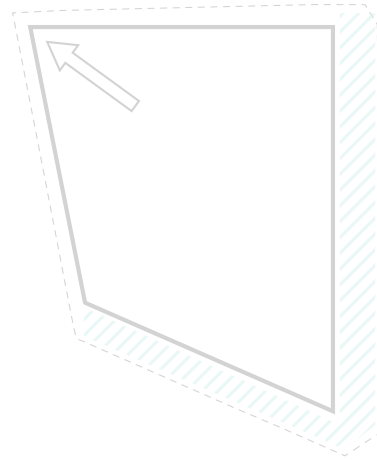
6. Merge together



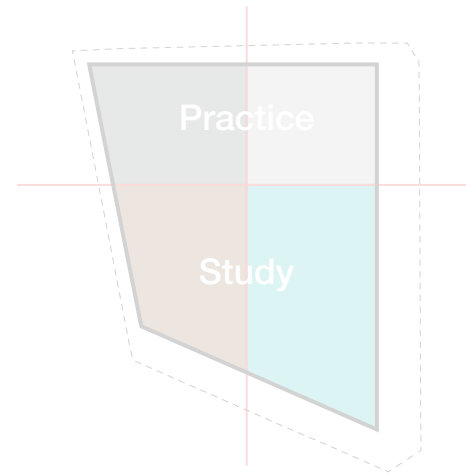
1. Offset



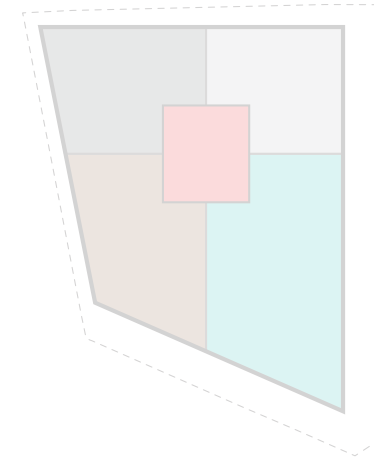
2. Create informal square



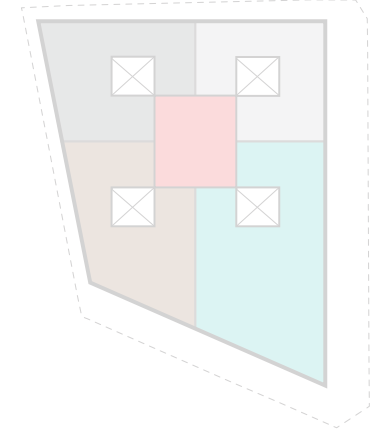
3. Program



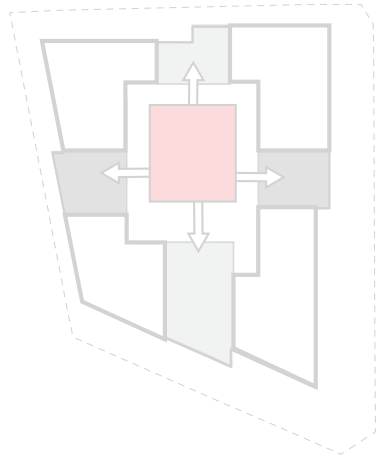
4. Assembly hall



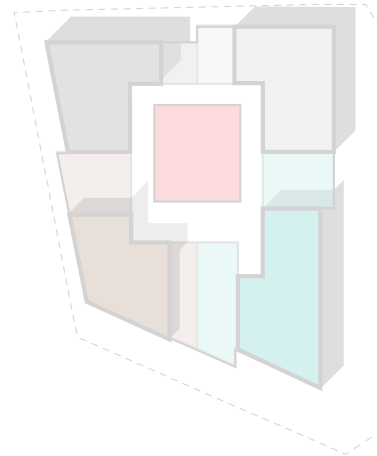
5. Courtyards



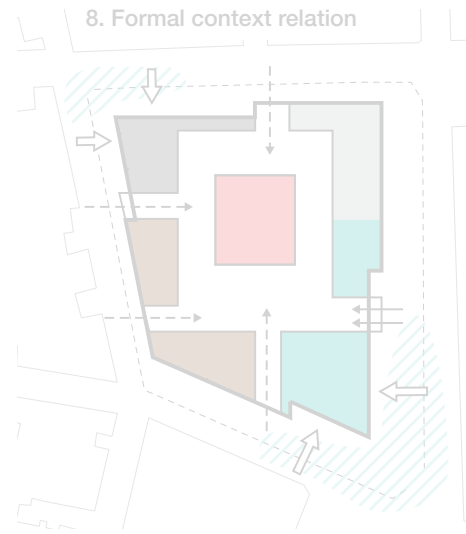
10. Levels



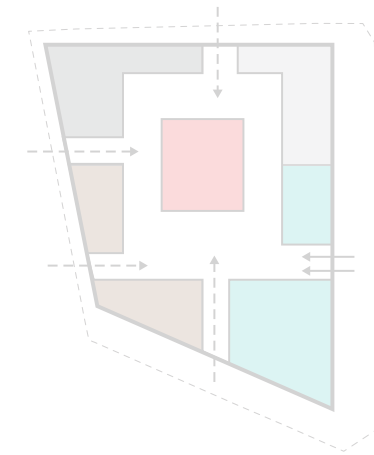
9. Corners



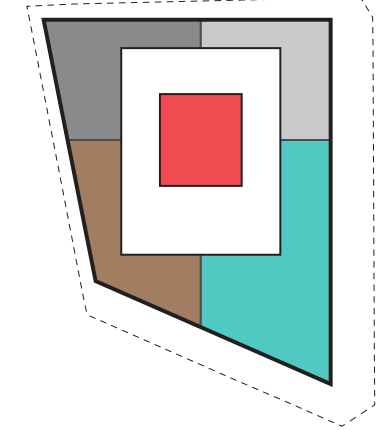
8. Formal context relation



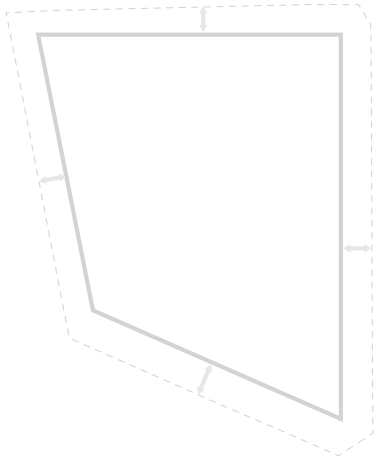
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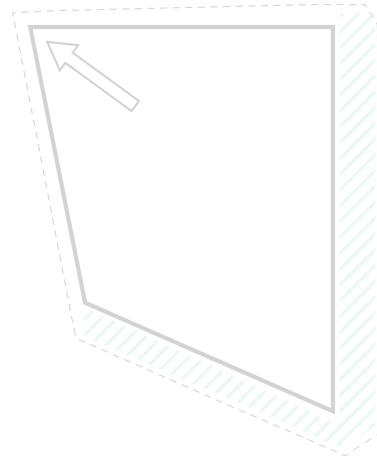
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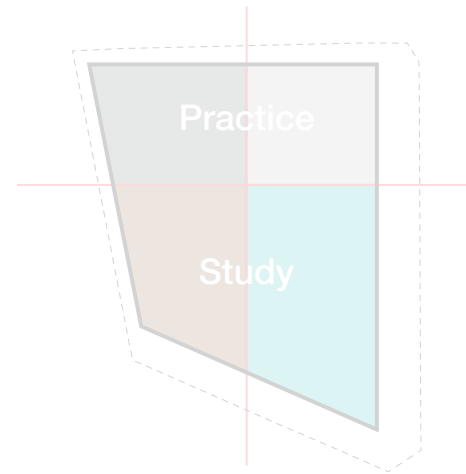
1. Offset



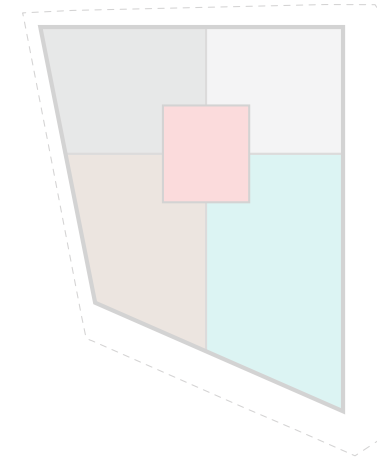
2. Create informal square



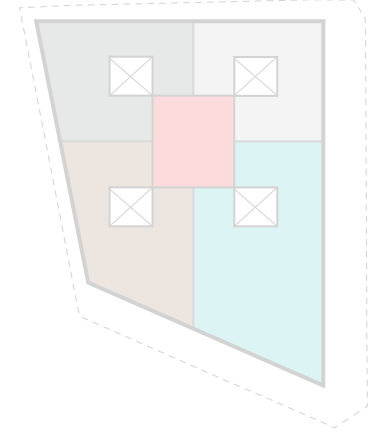
3. Program



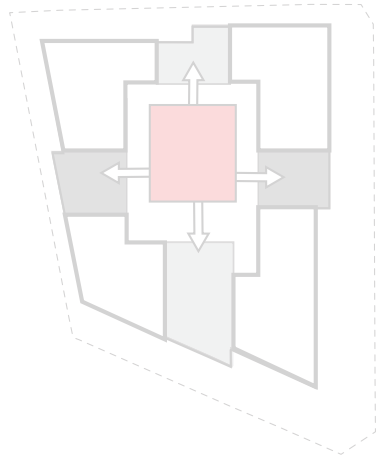
4. Assembly hall



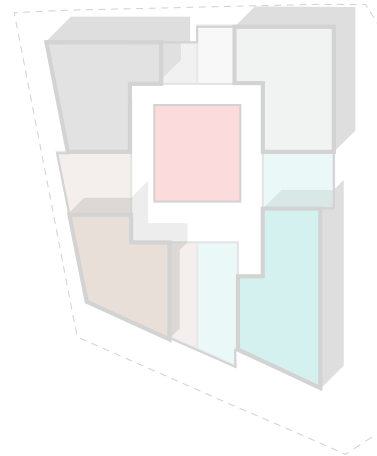
5. Courtyards



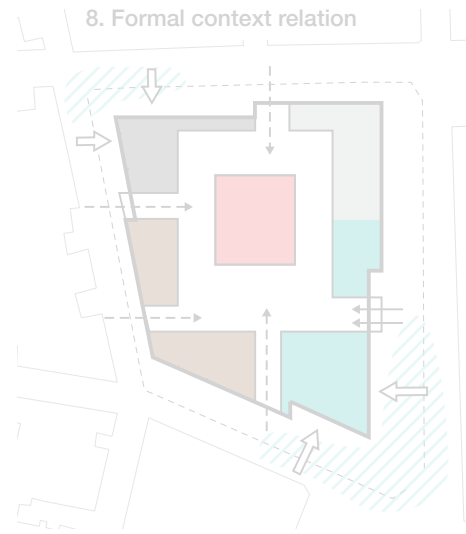
10. Levels



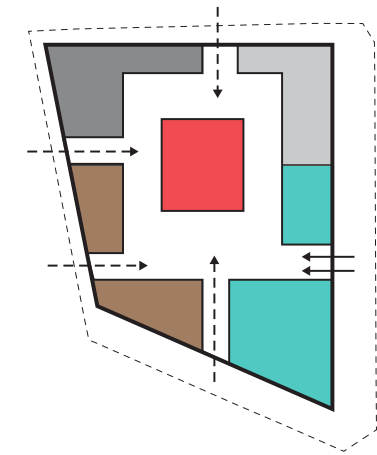
9. Corners



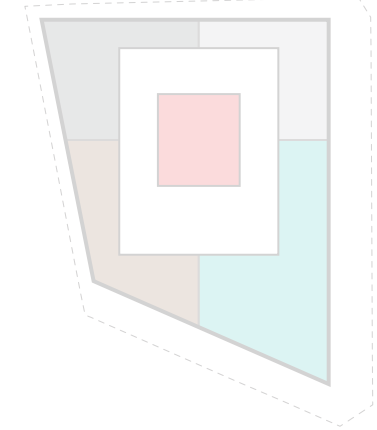
8. Formal context relation



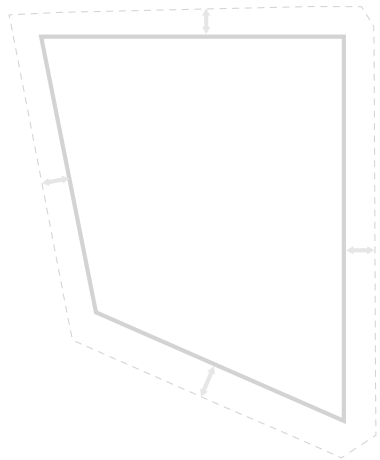
7. Entry



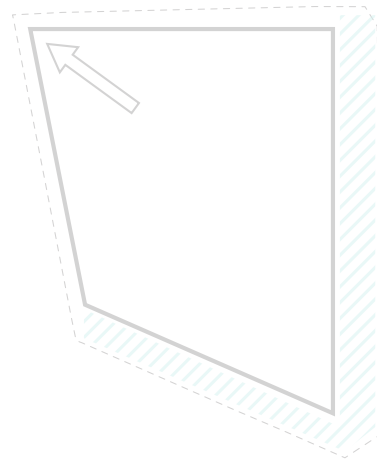
6. Merge together



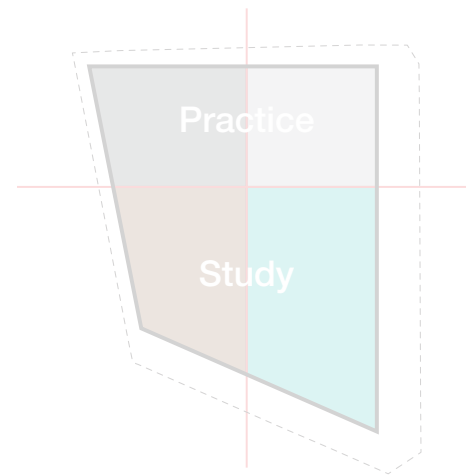
1. Offset



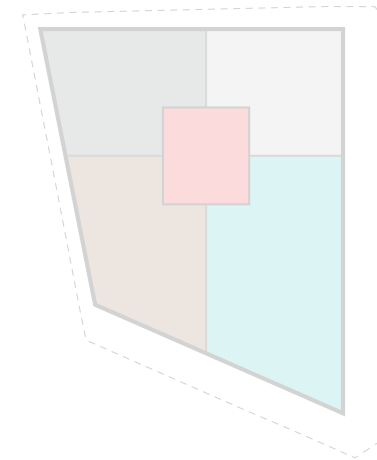
2. Create informal square



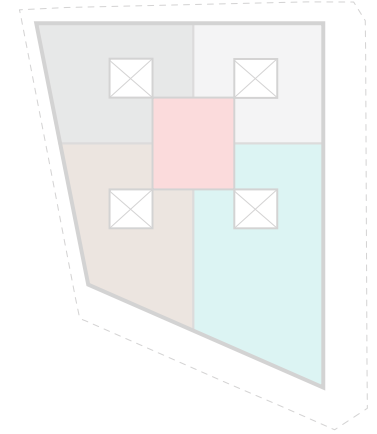
3. Program



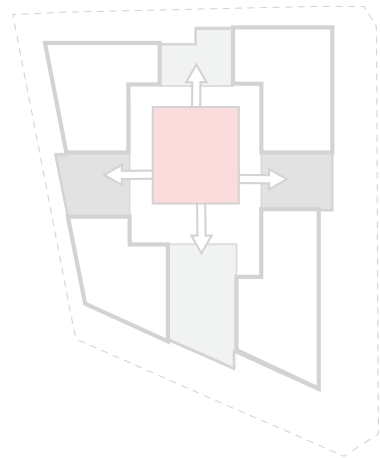
4. Assembly hall



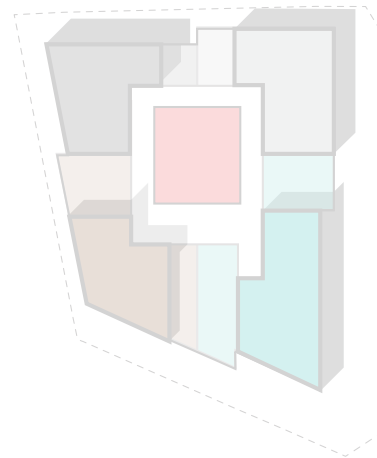
5. Courtyards



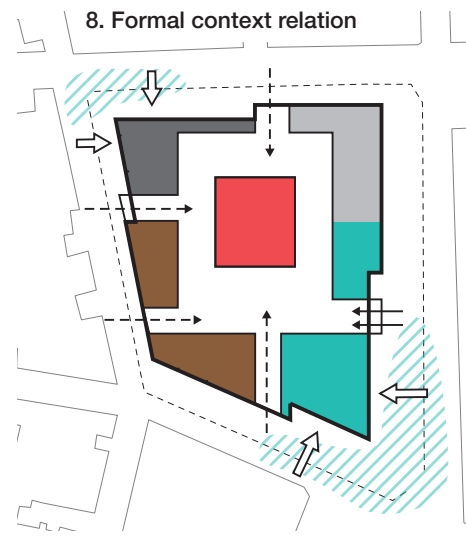
10. Levels



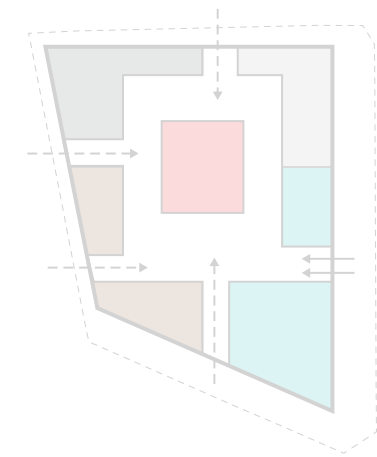
9. Corners



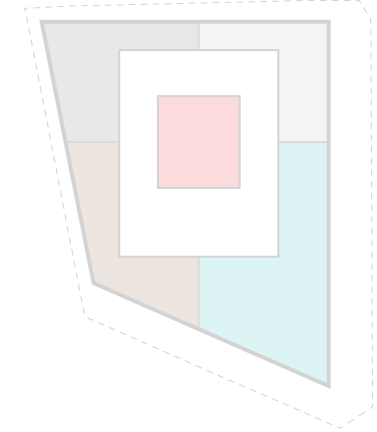
8. Formal context relation



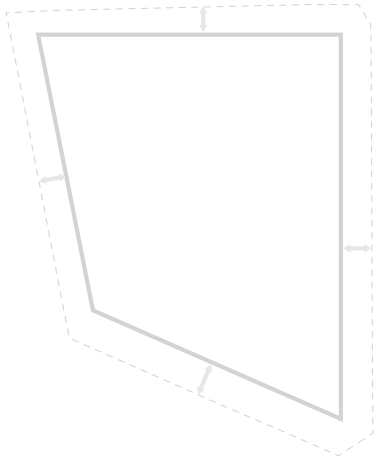
7. Entry



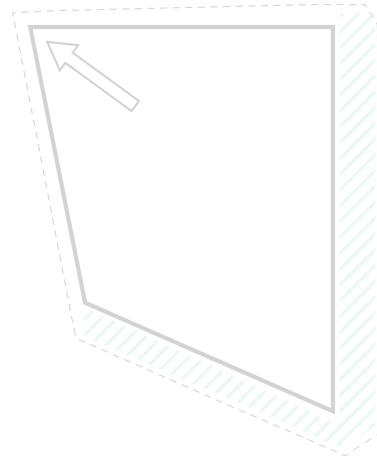
6. Merge together



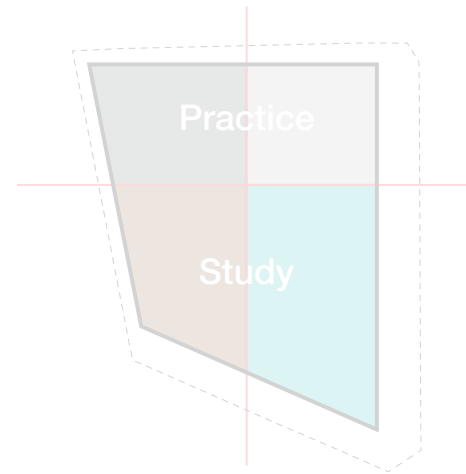
1. Offset



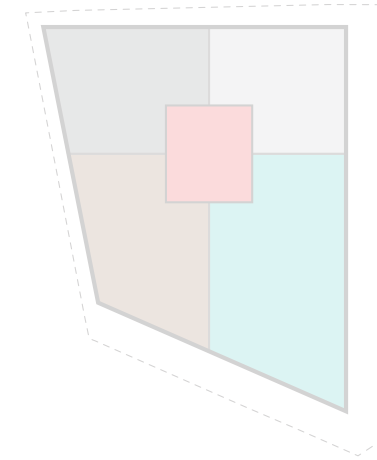
2. Create informal square



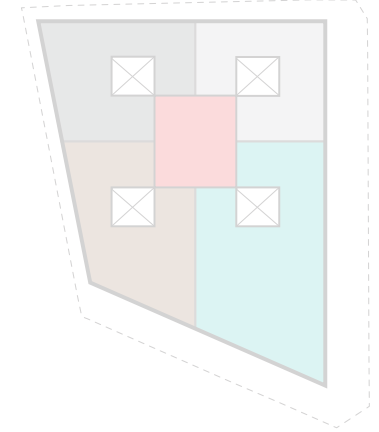
3. Program



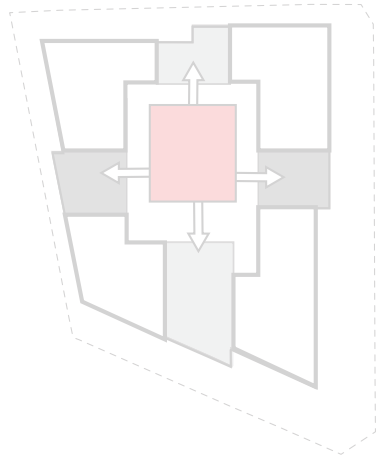
4. Assembly hall



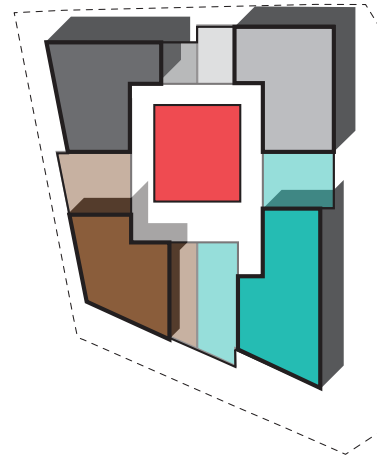
5. Courtyards



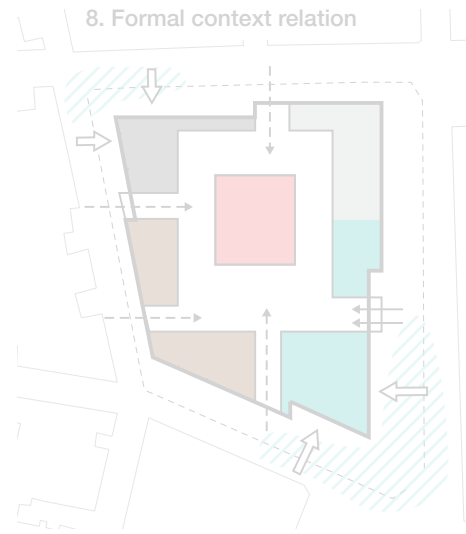
10. Levels



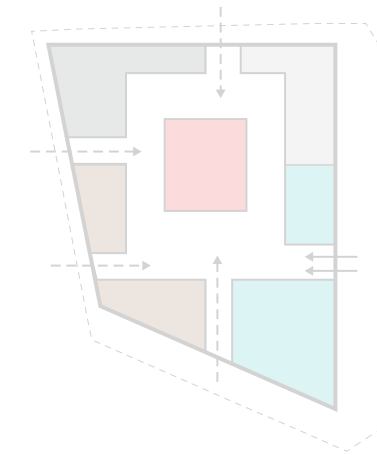
9. Corners



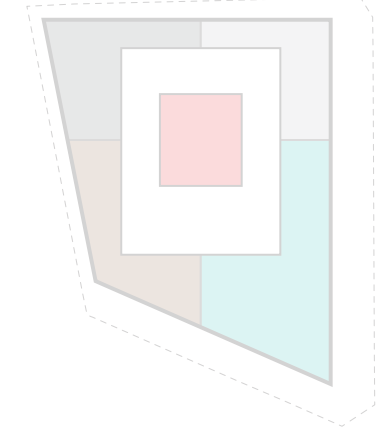
8. Formal context relation



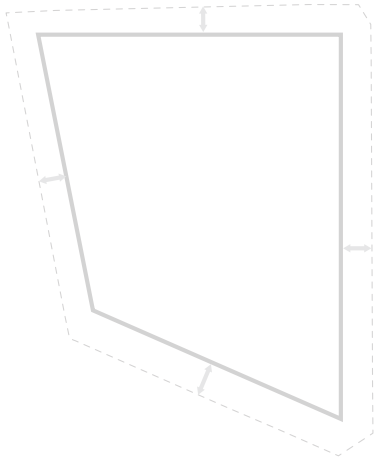
7. Entry



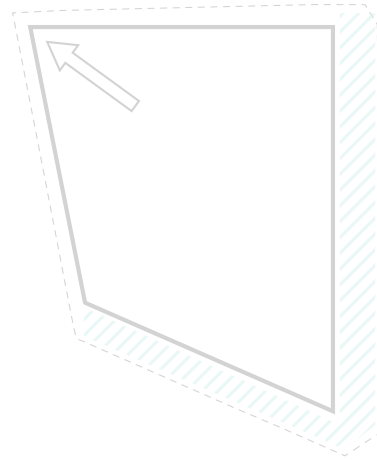
6. Merge together



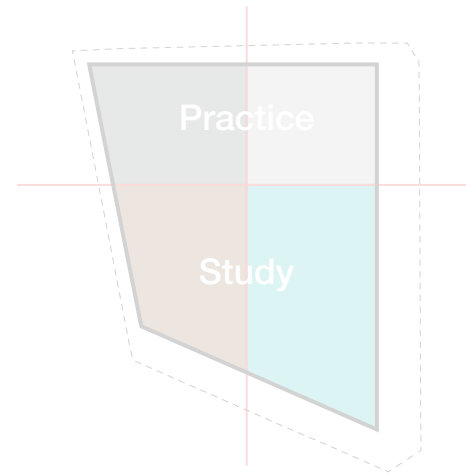
1. Offset



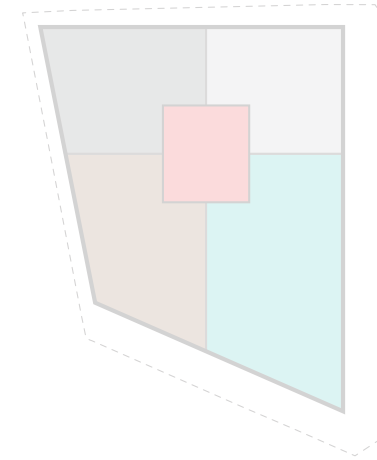
2. Create informal square



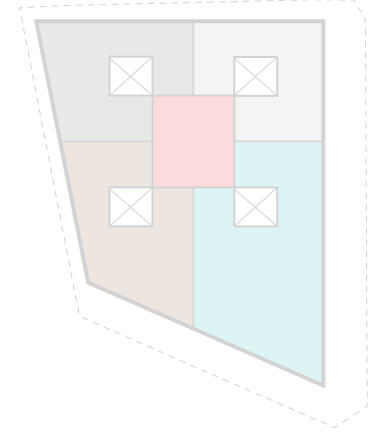
3. Program



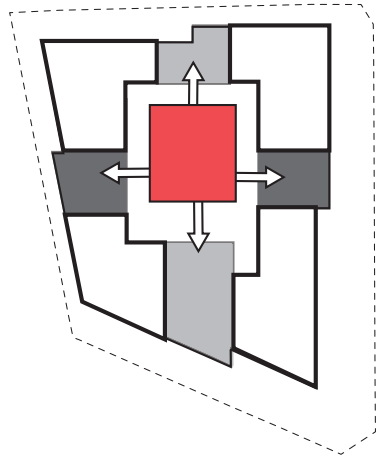
4. Assembly hall



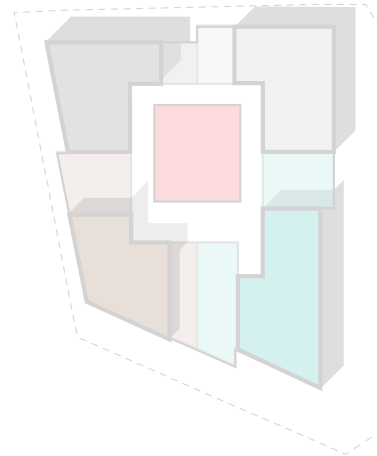
5. Courtyards



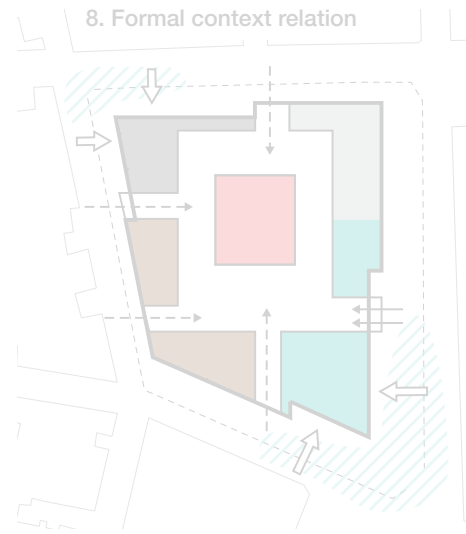
10. Levels



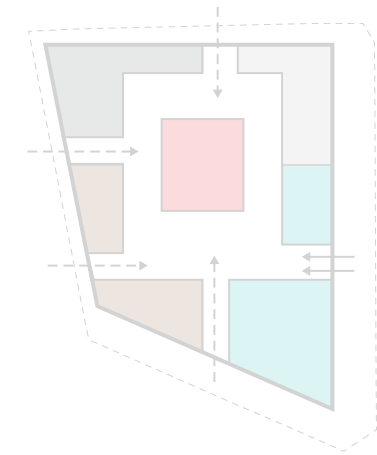
9. Corners



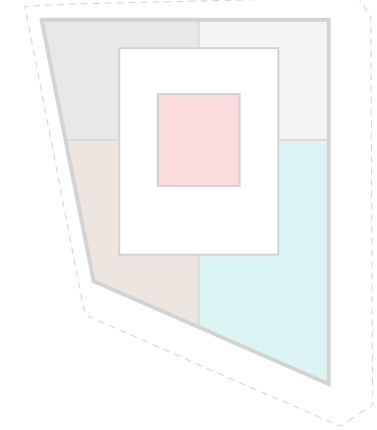
8. Formal context relation



7. Entry

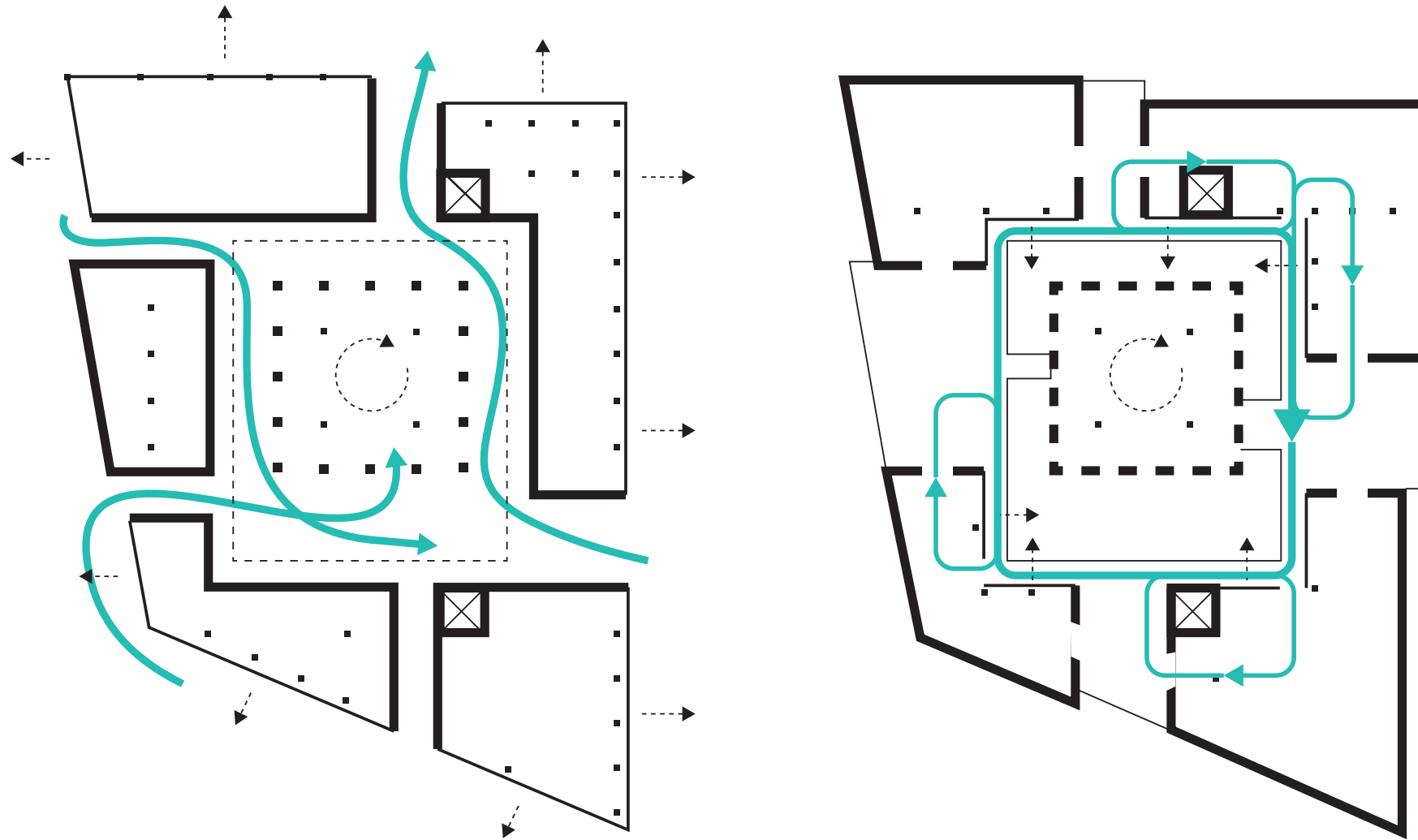


6. Merge together

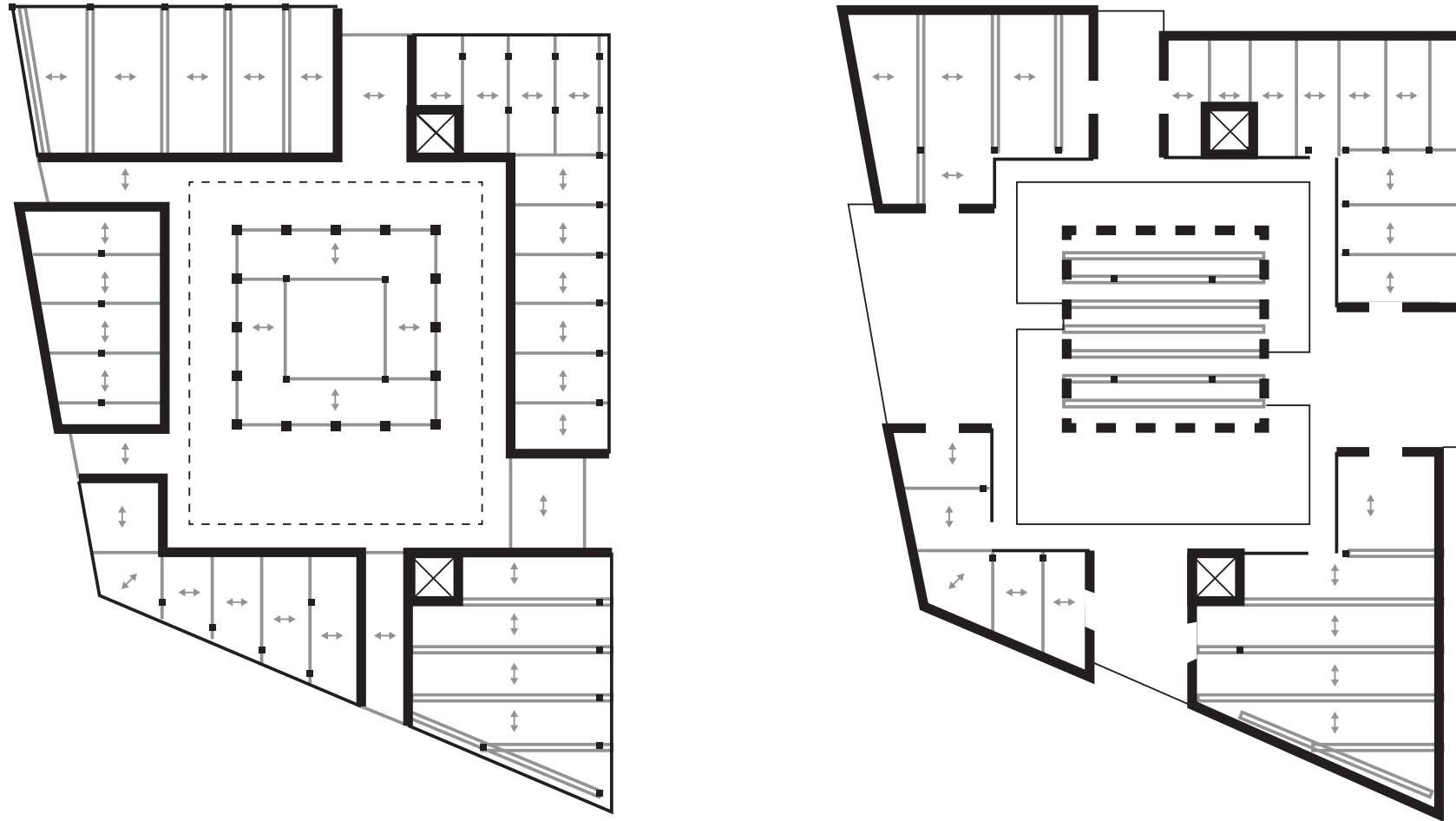




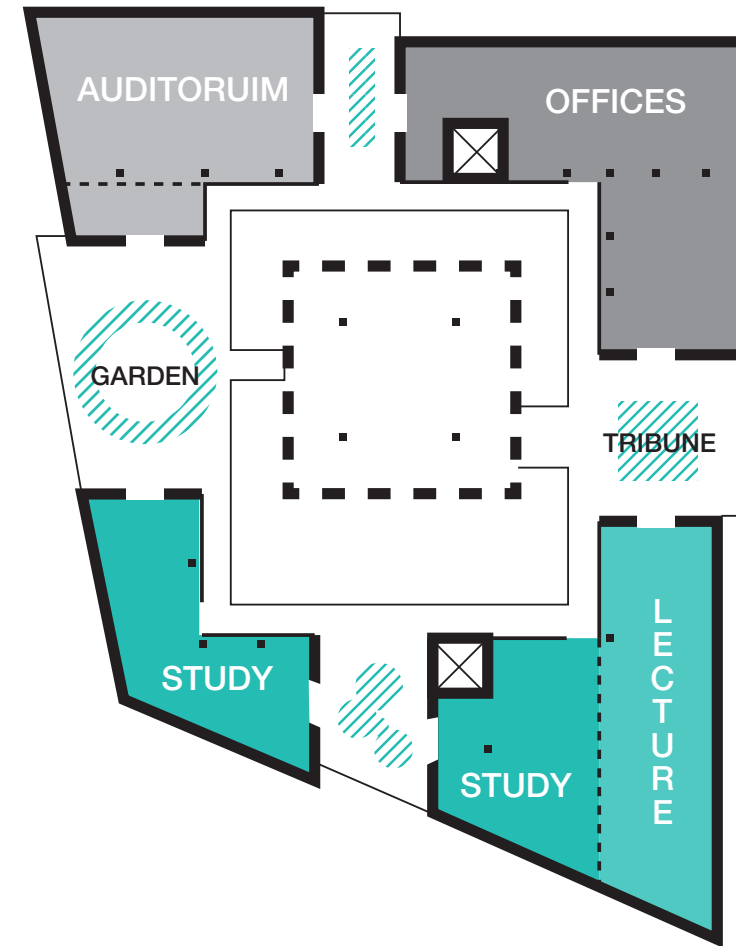
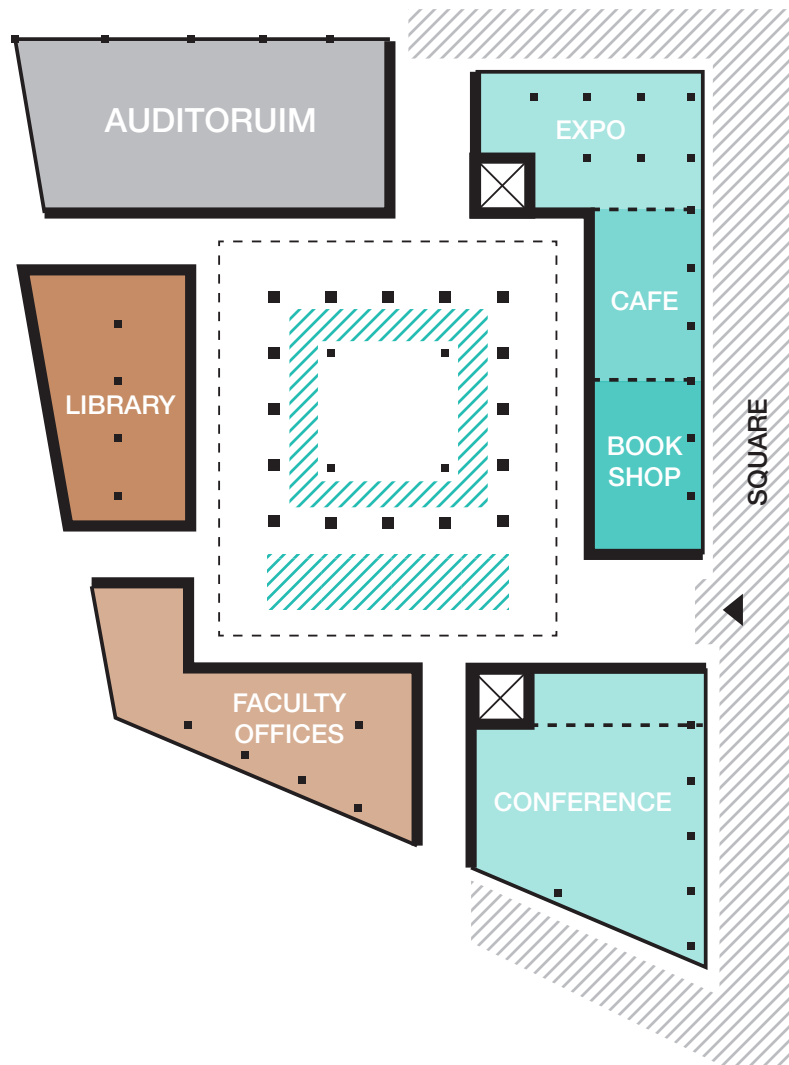
ROUTING



CONSTRUCTION

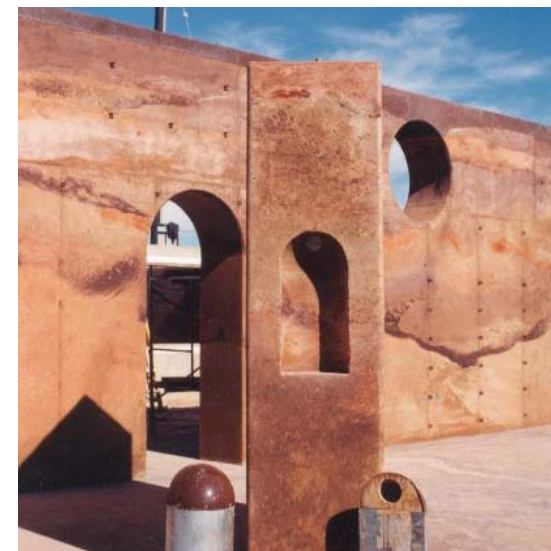
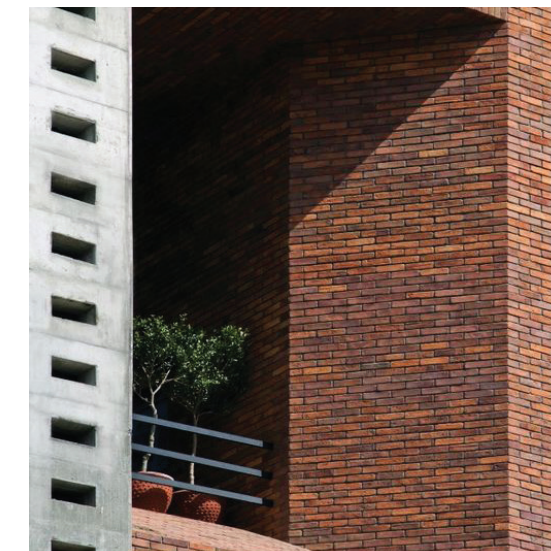
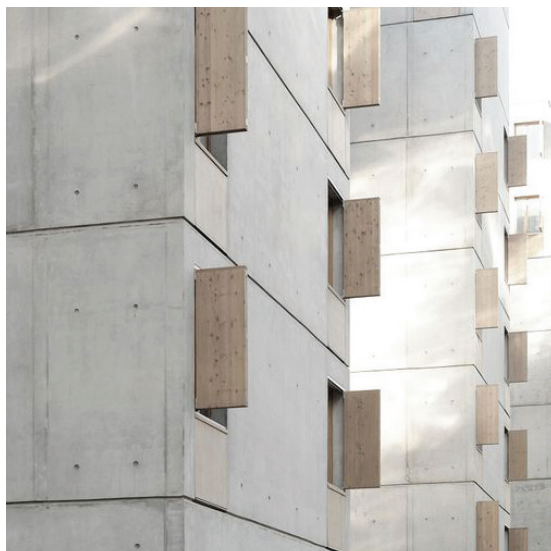
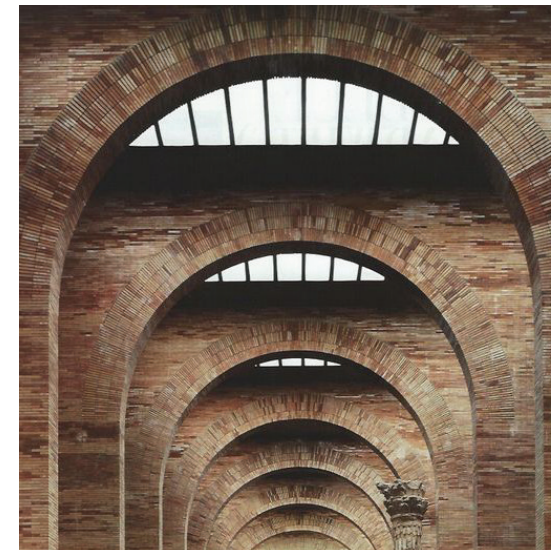
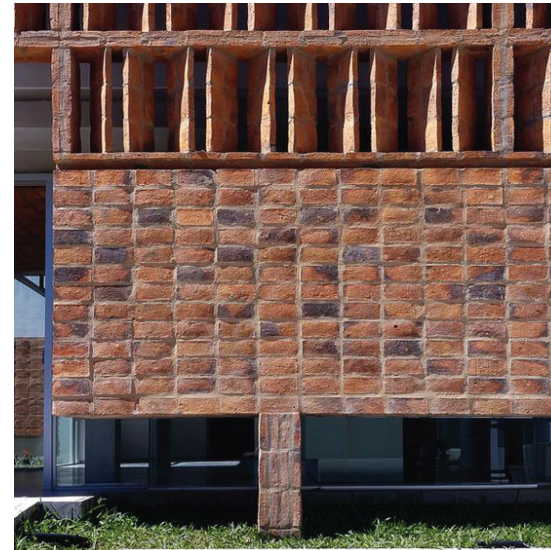
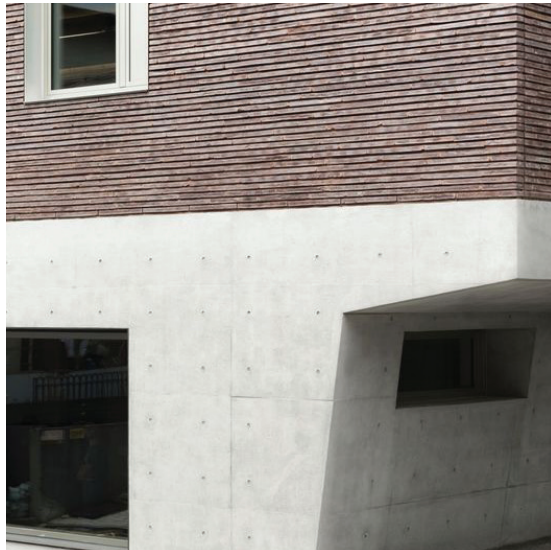


FUNCTION

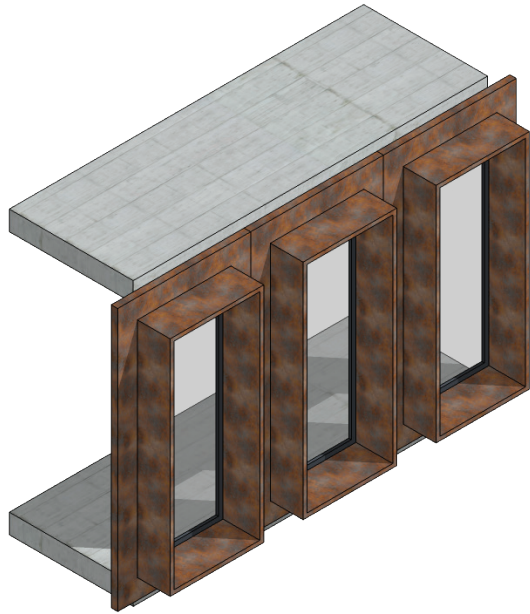


REACTION SURROUNDINGS

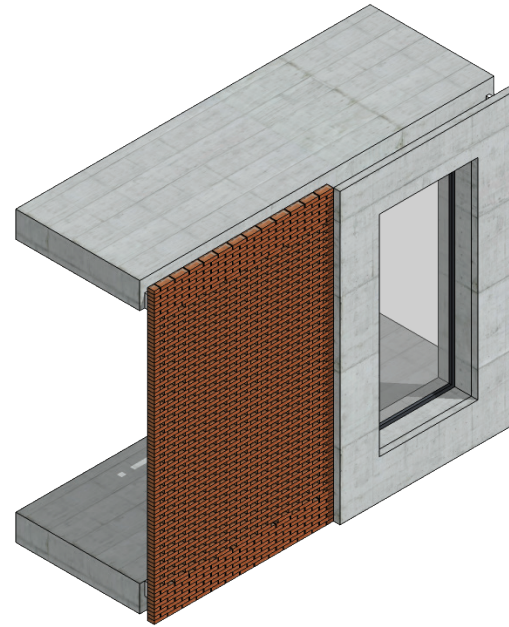




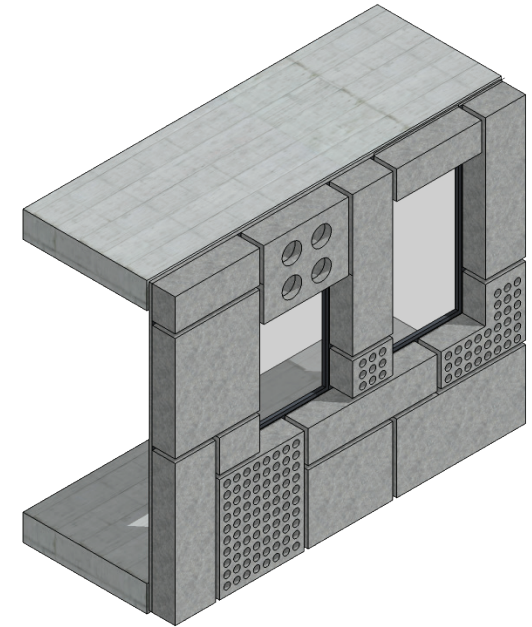
Viewing



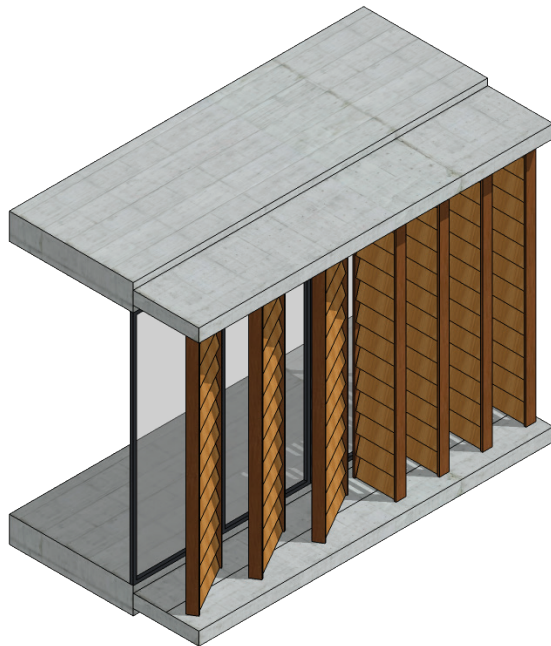
Contrast



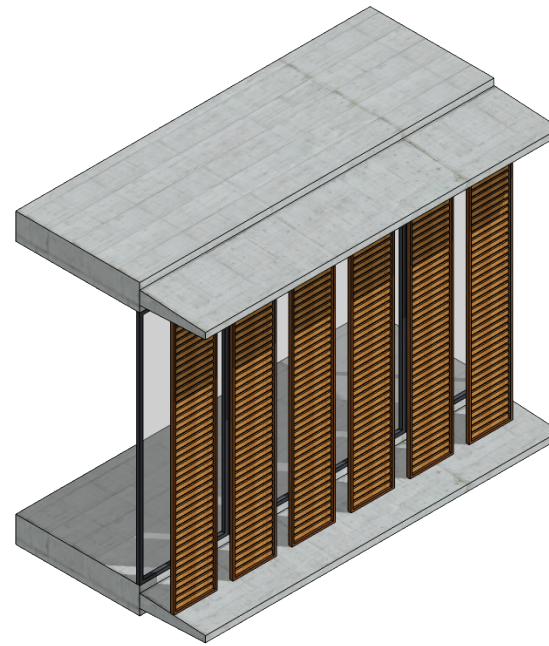
Ornamented



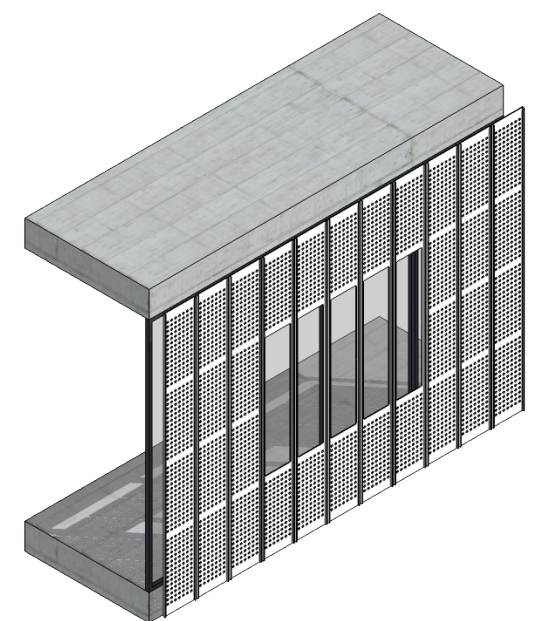
Turning shades



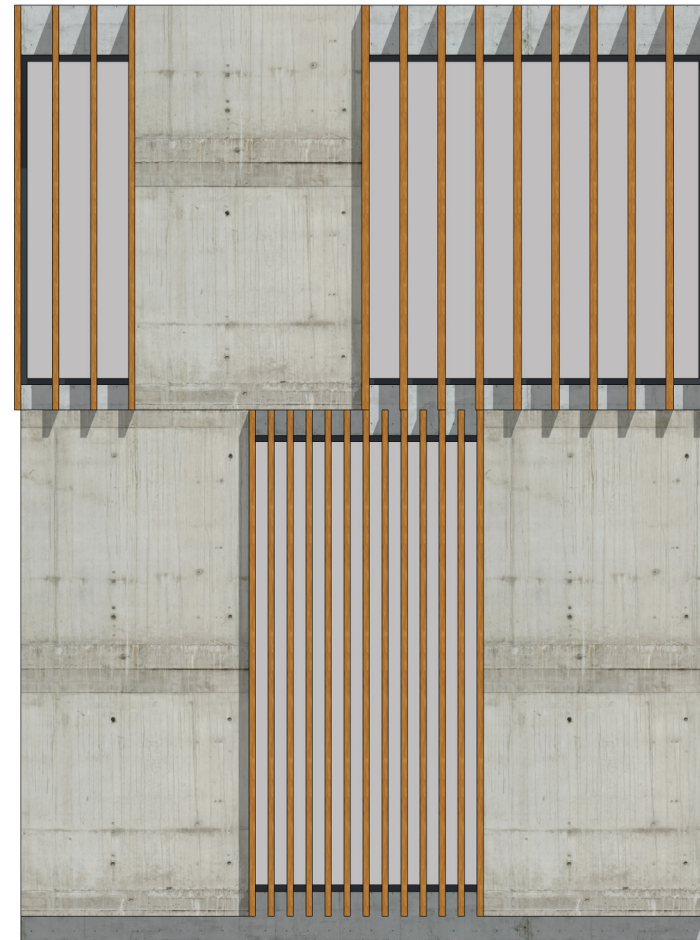
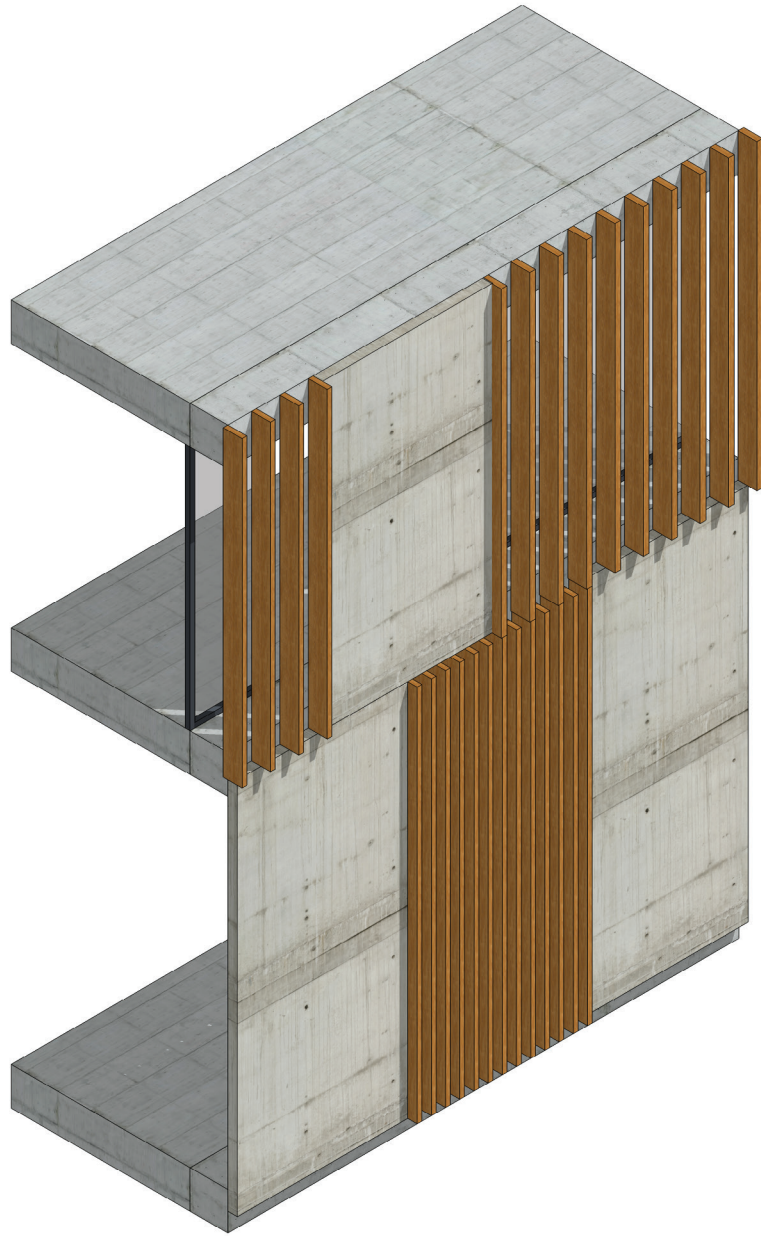
Blinders



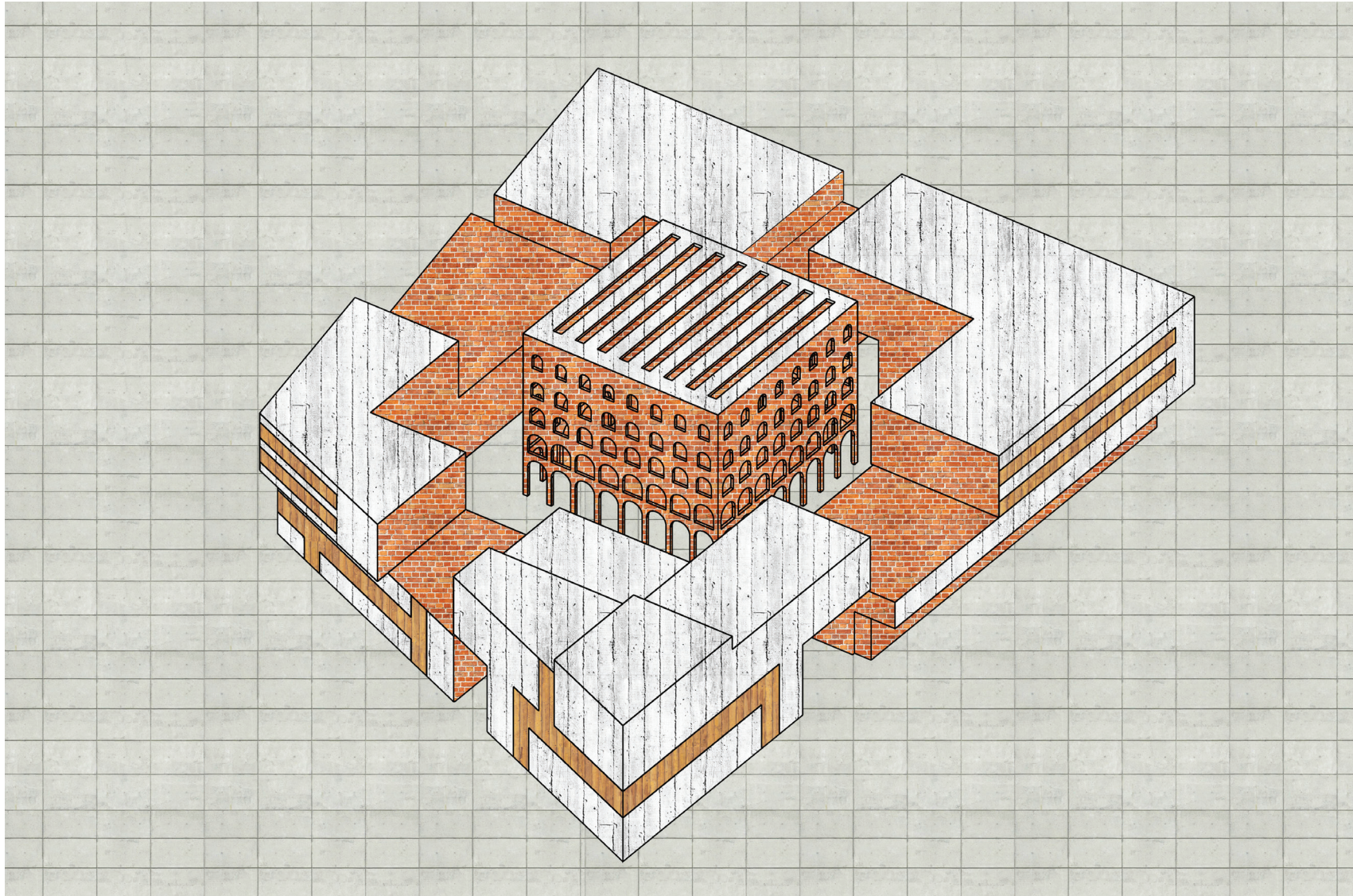
Perforated metal

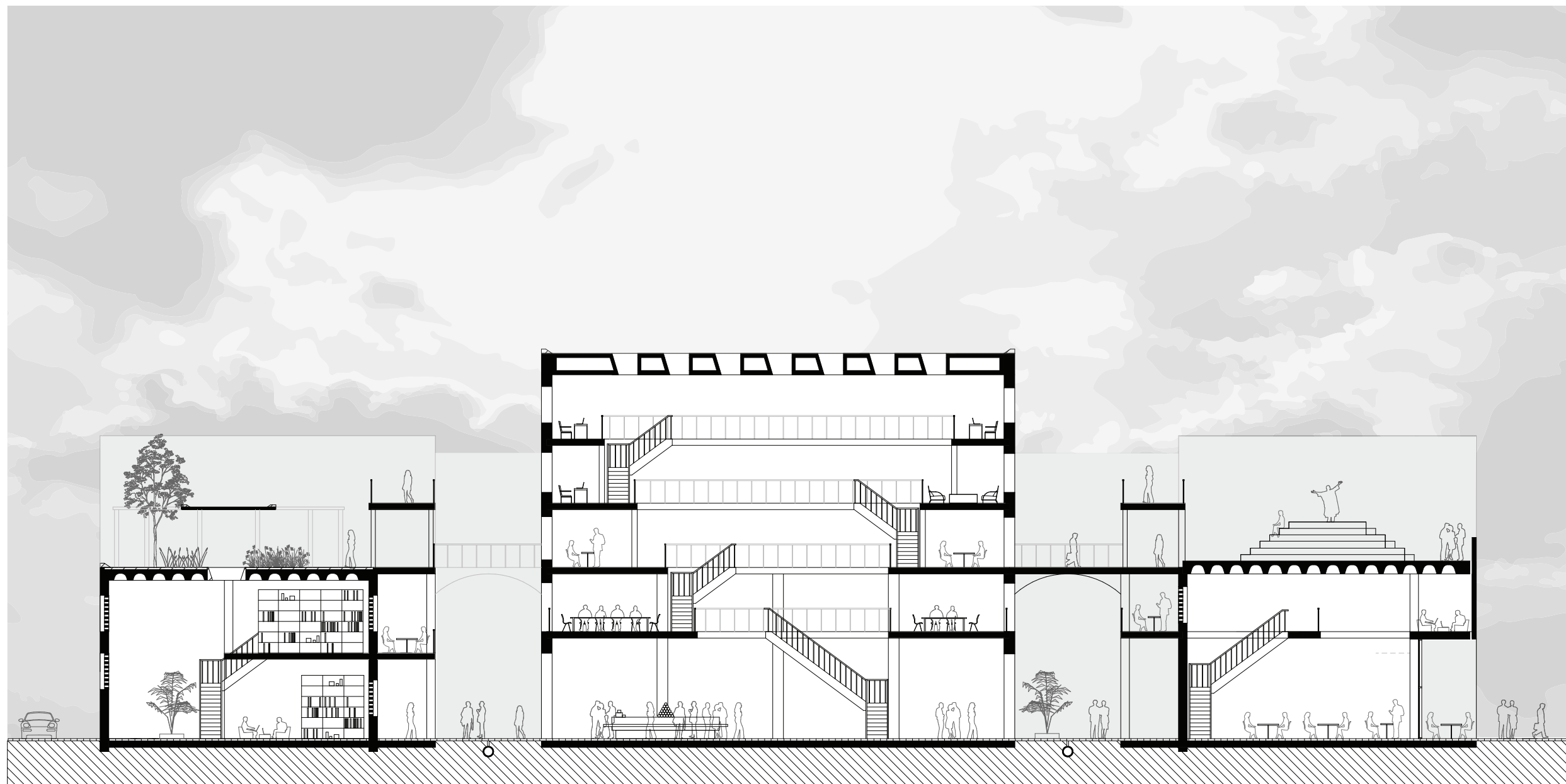


Shading & Verticality

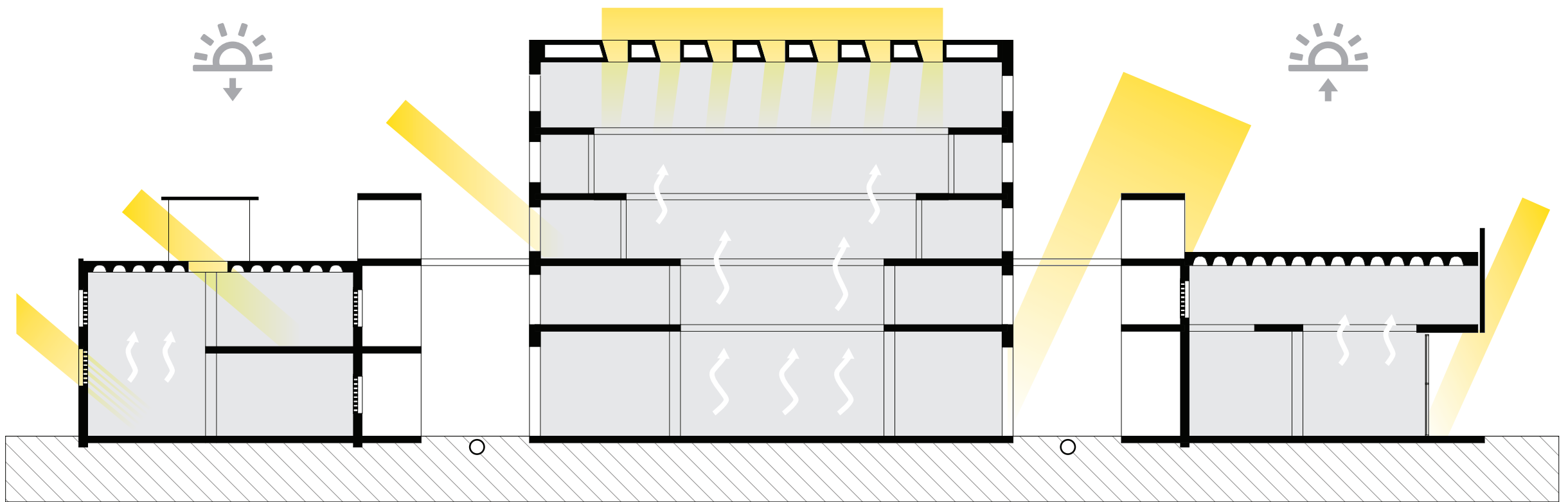


MATERIAL CONCEPT

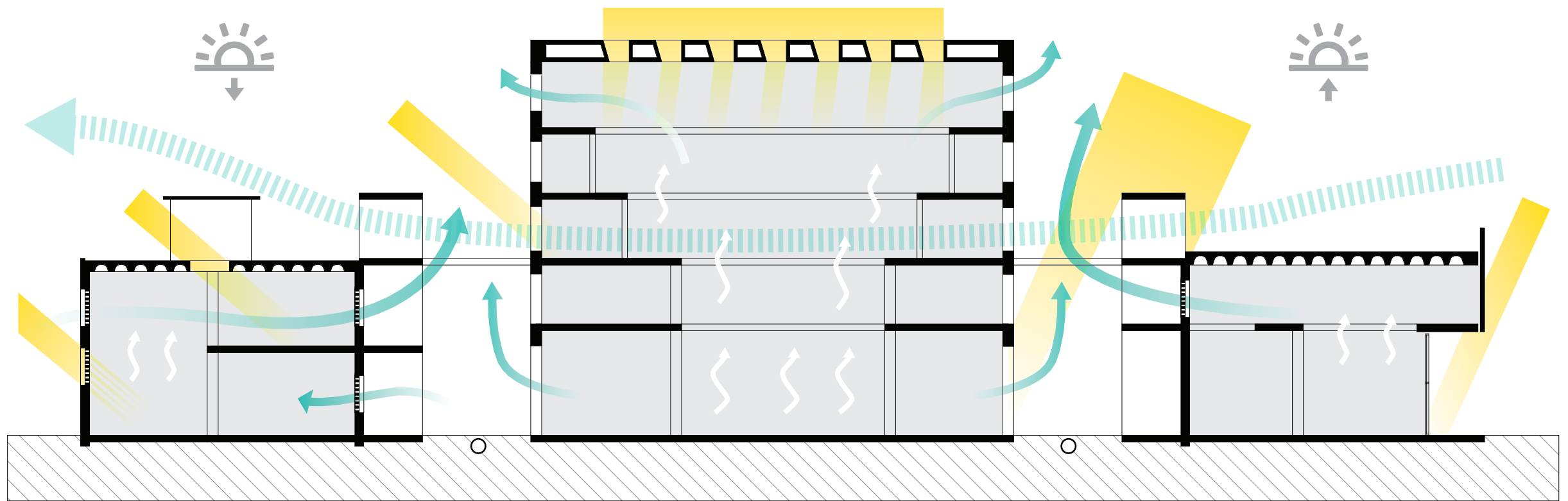




LIGHT



VENTILATION



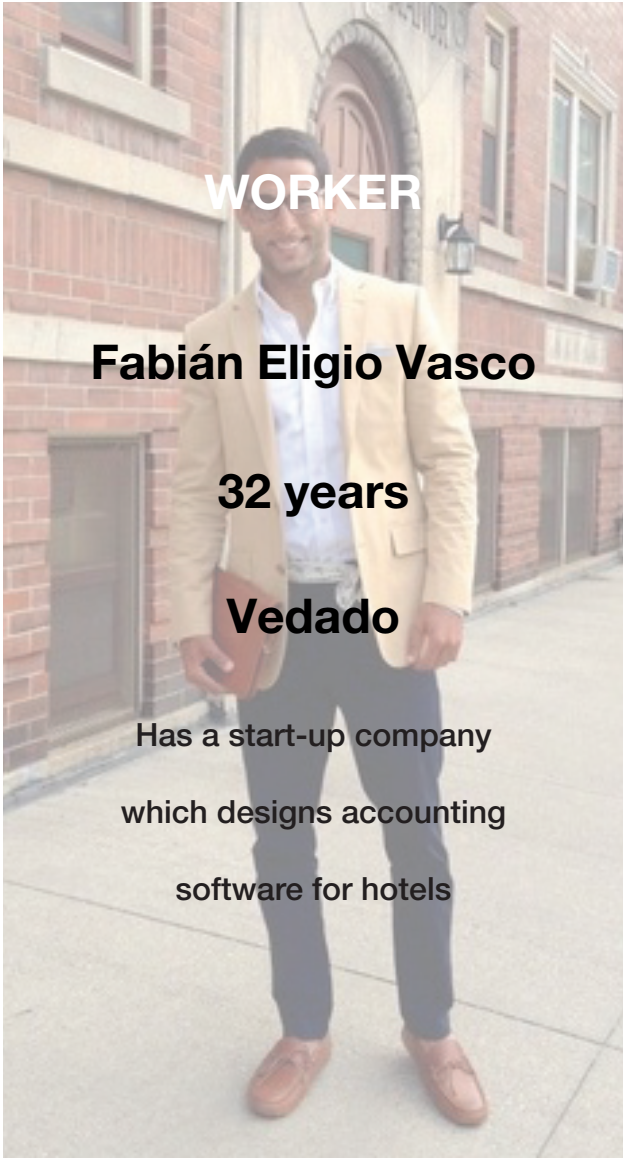
An isometric architectural drawing of a city skyline. The buildings are represented as white wireframe outlines on a solid teal background. A central building, which is a multi-story rectangular structure with a grid of windows, is highlighted with a thick white border. To its left, there is a circular structure resembling a stadium or arena. The word "PROPOSAL" is written in a bold, black, sans-serif font across the middle of the central building.

PROPOSAL

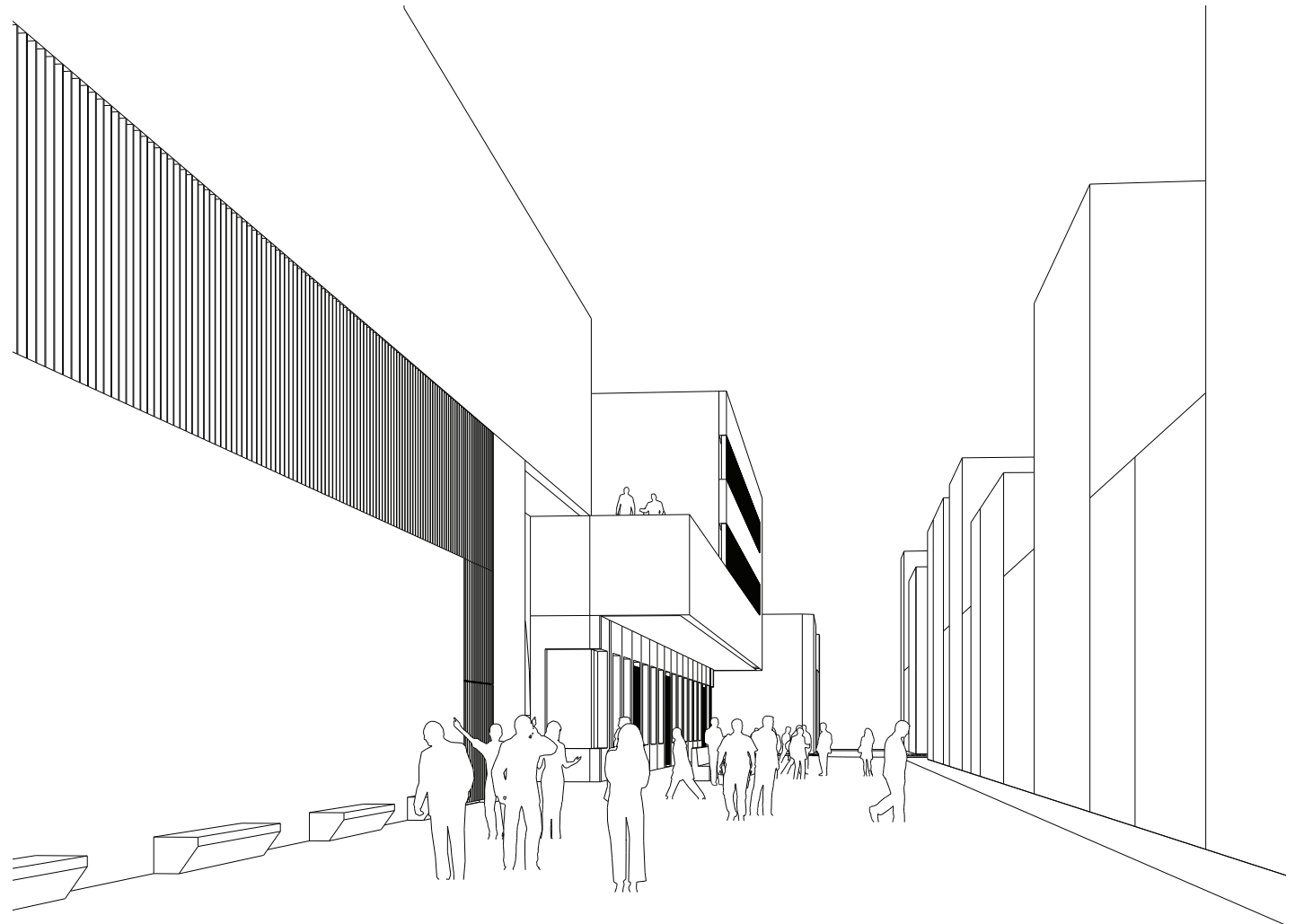
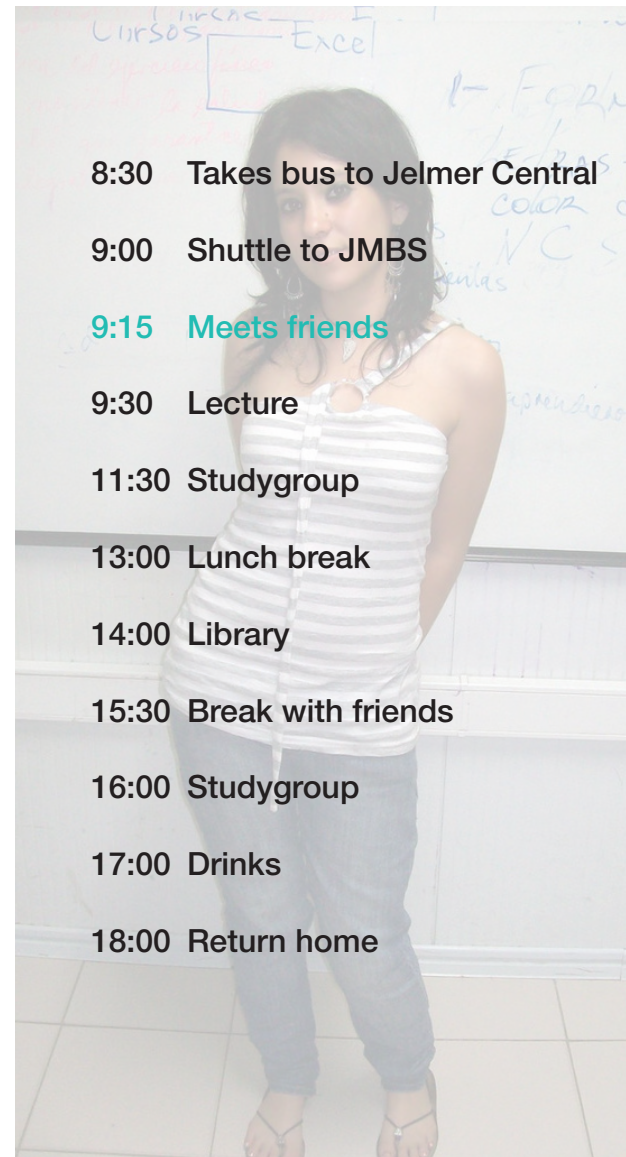
A DAY AT SCHOOL



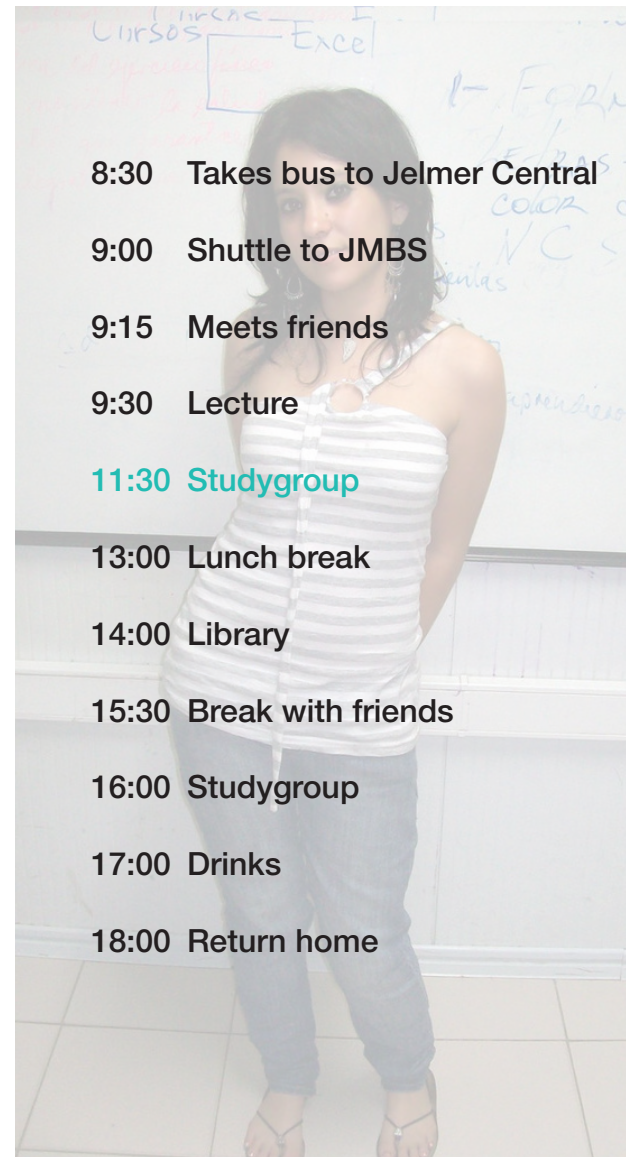
A DAY AT SCHOOL



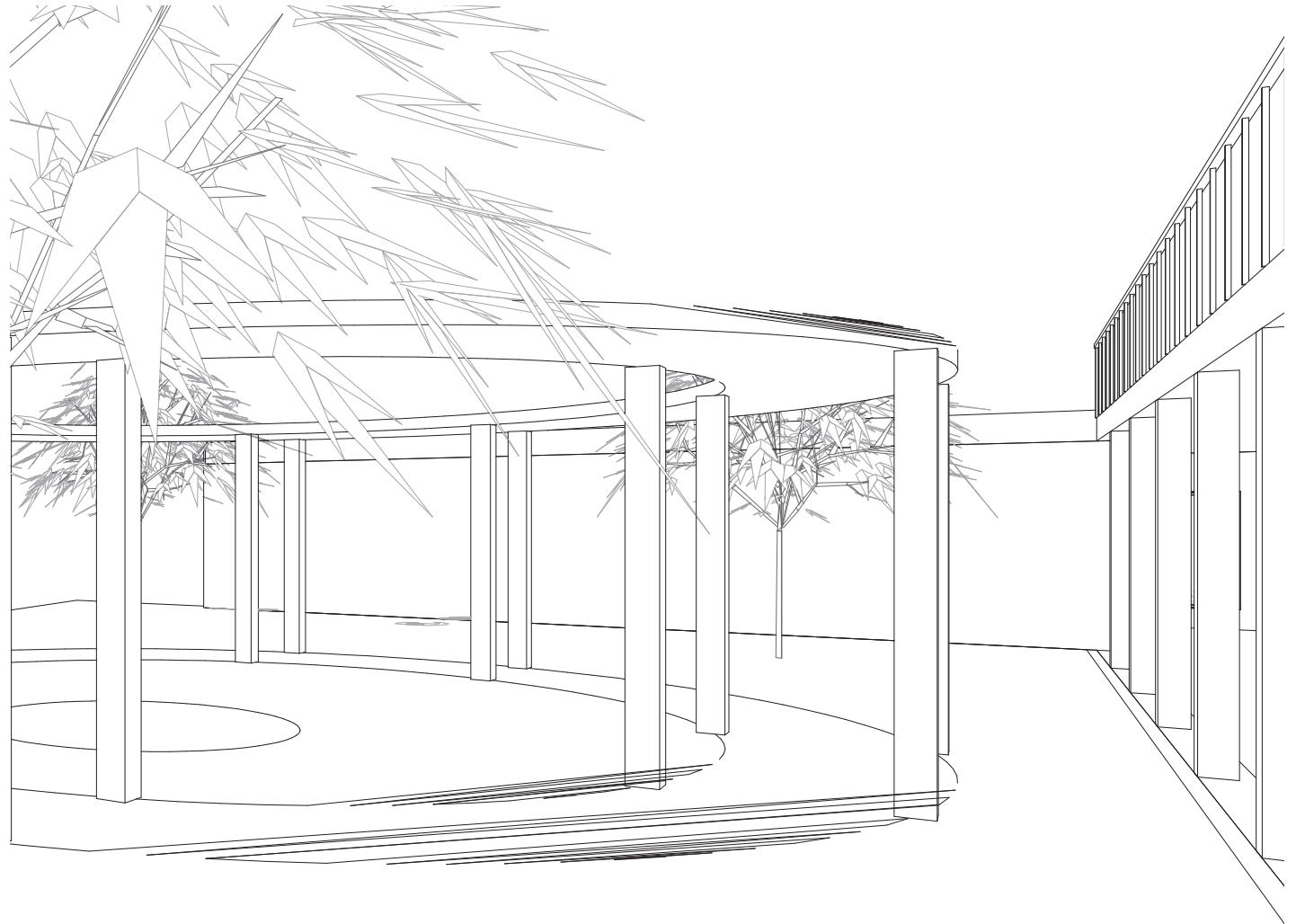
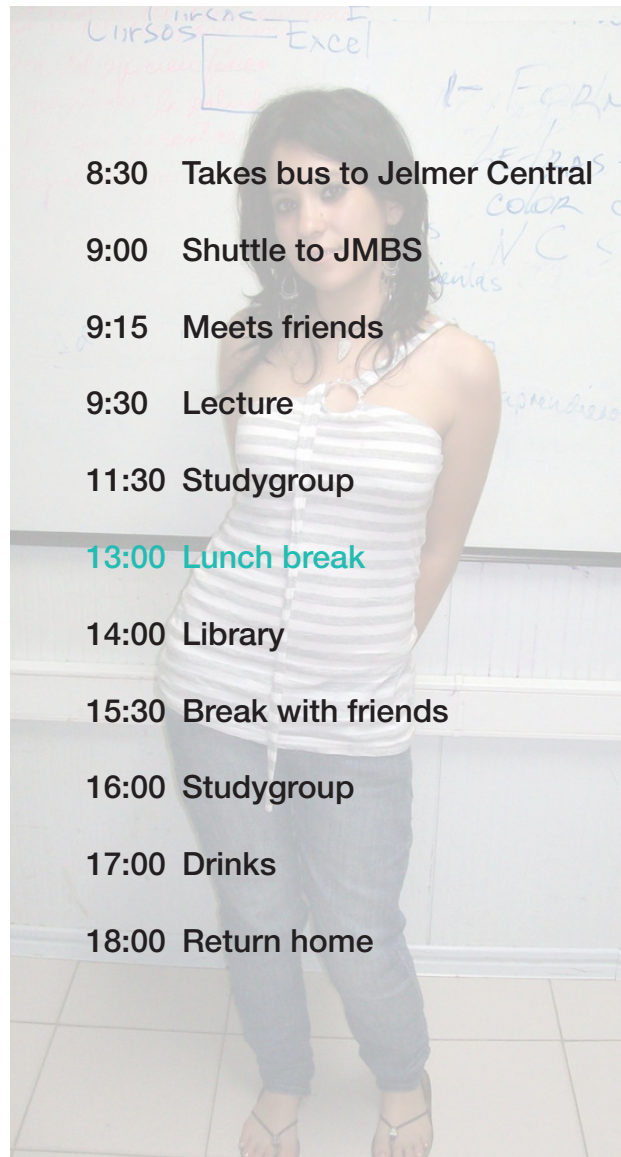
GEORGINA



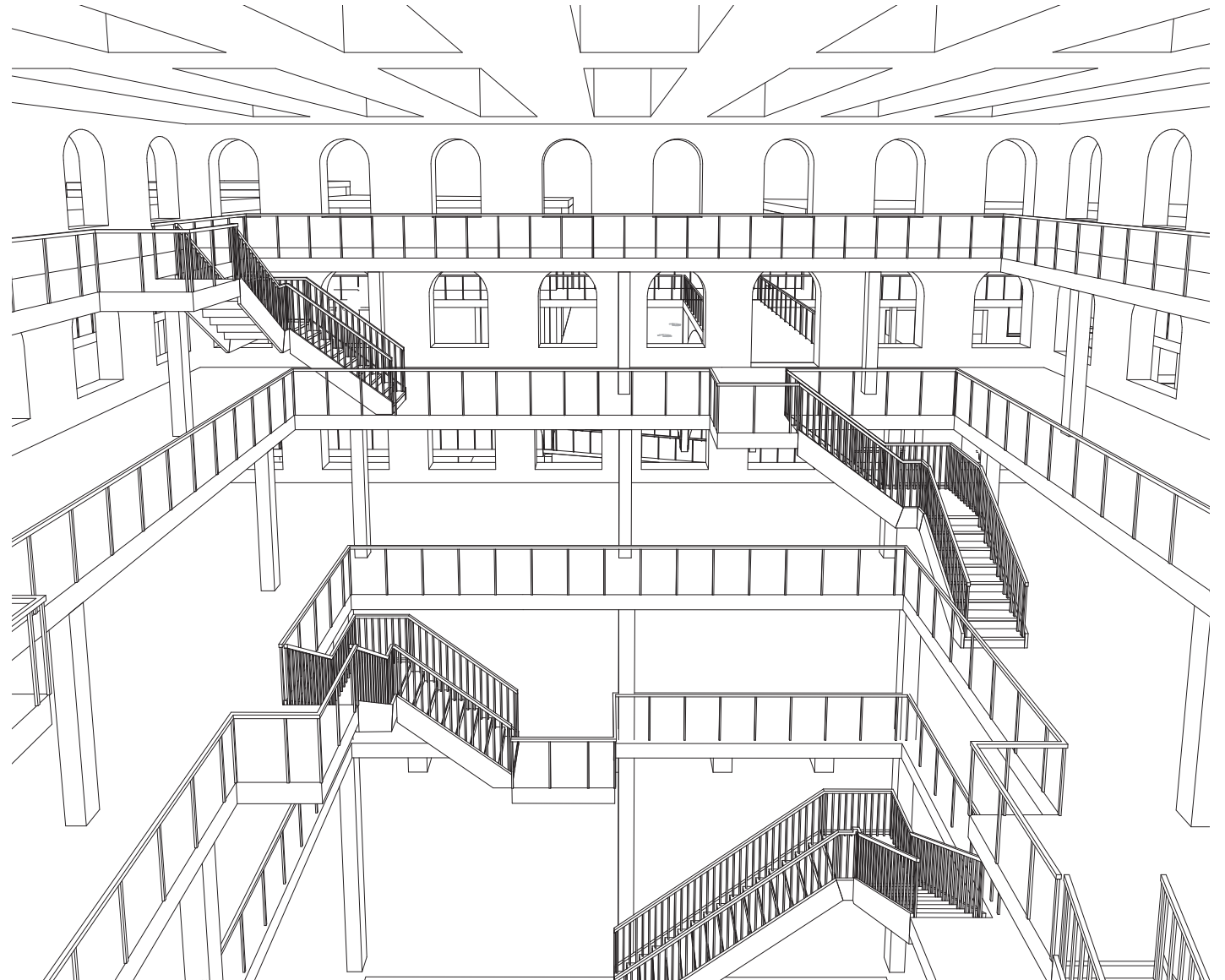
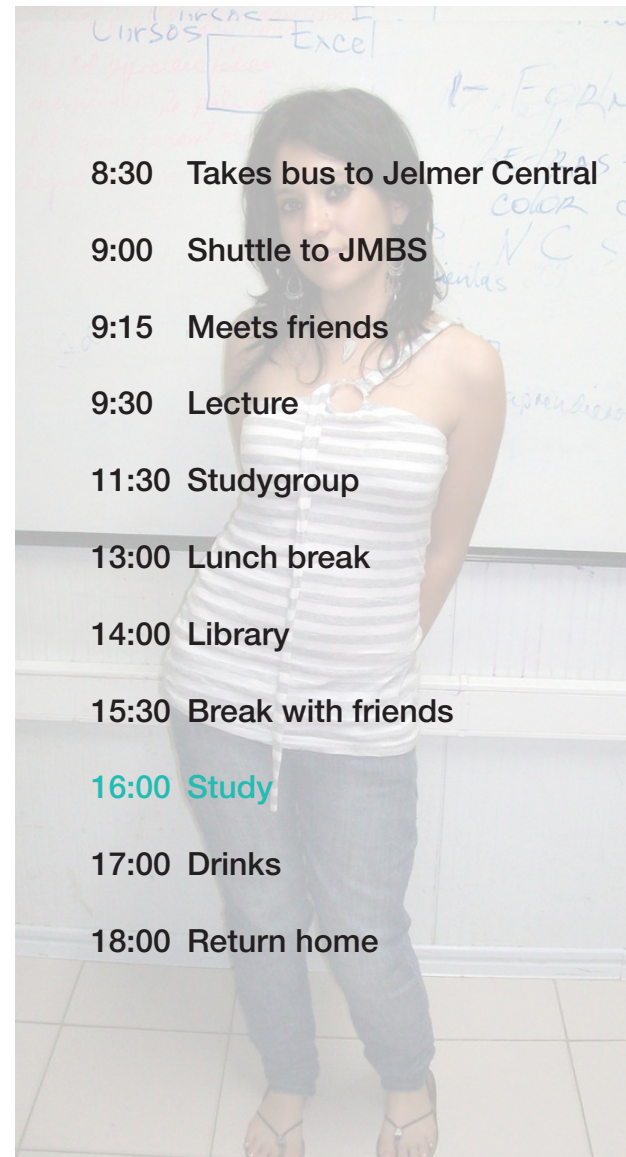
GEORGINA



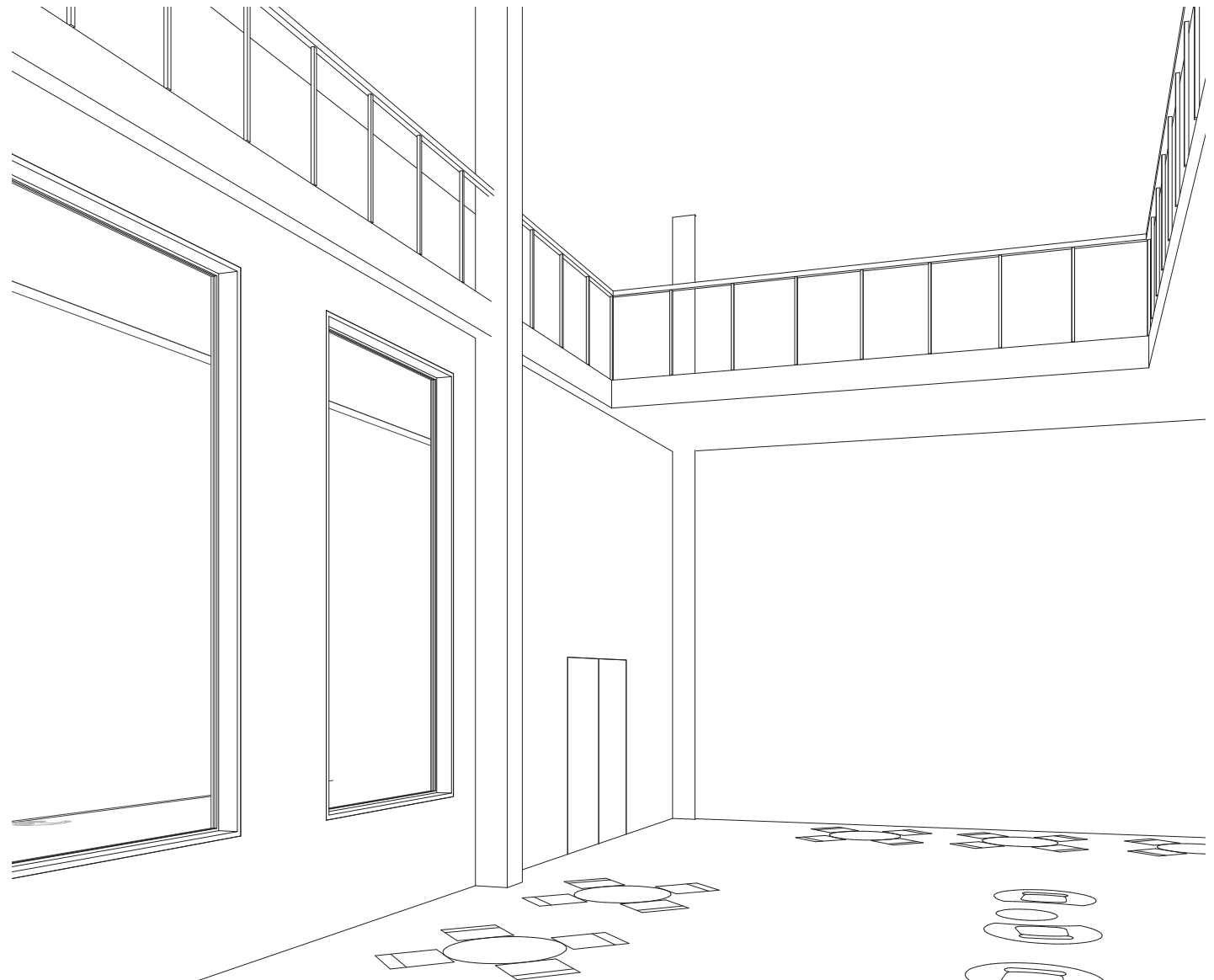
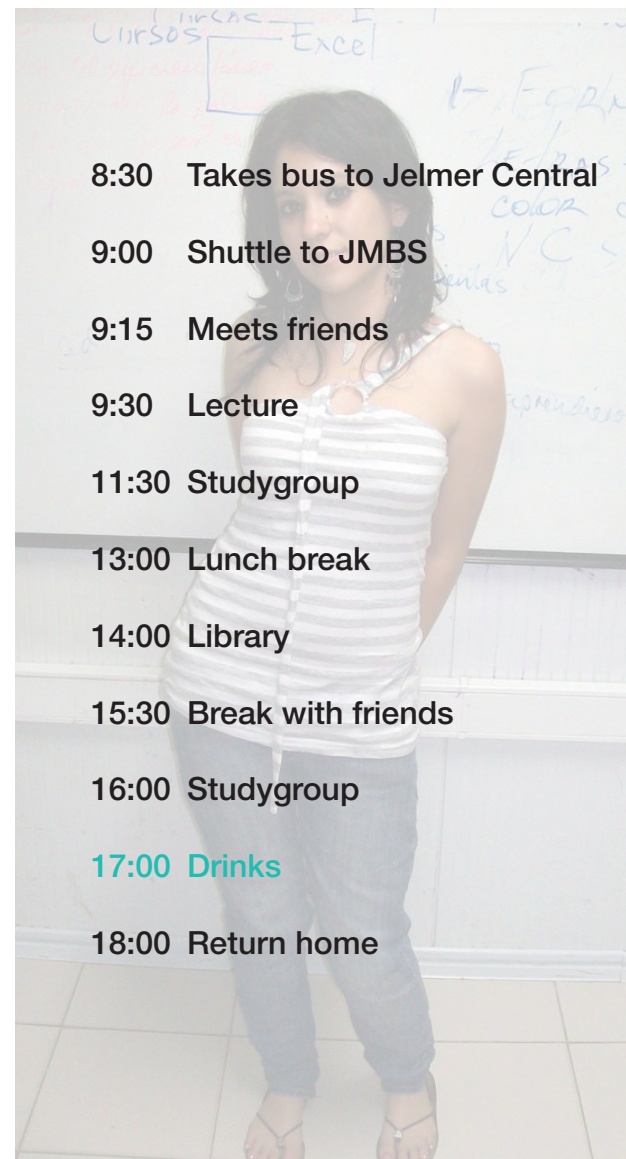
GEORGINA



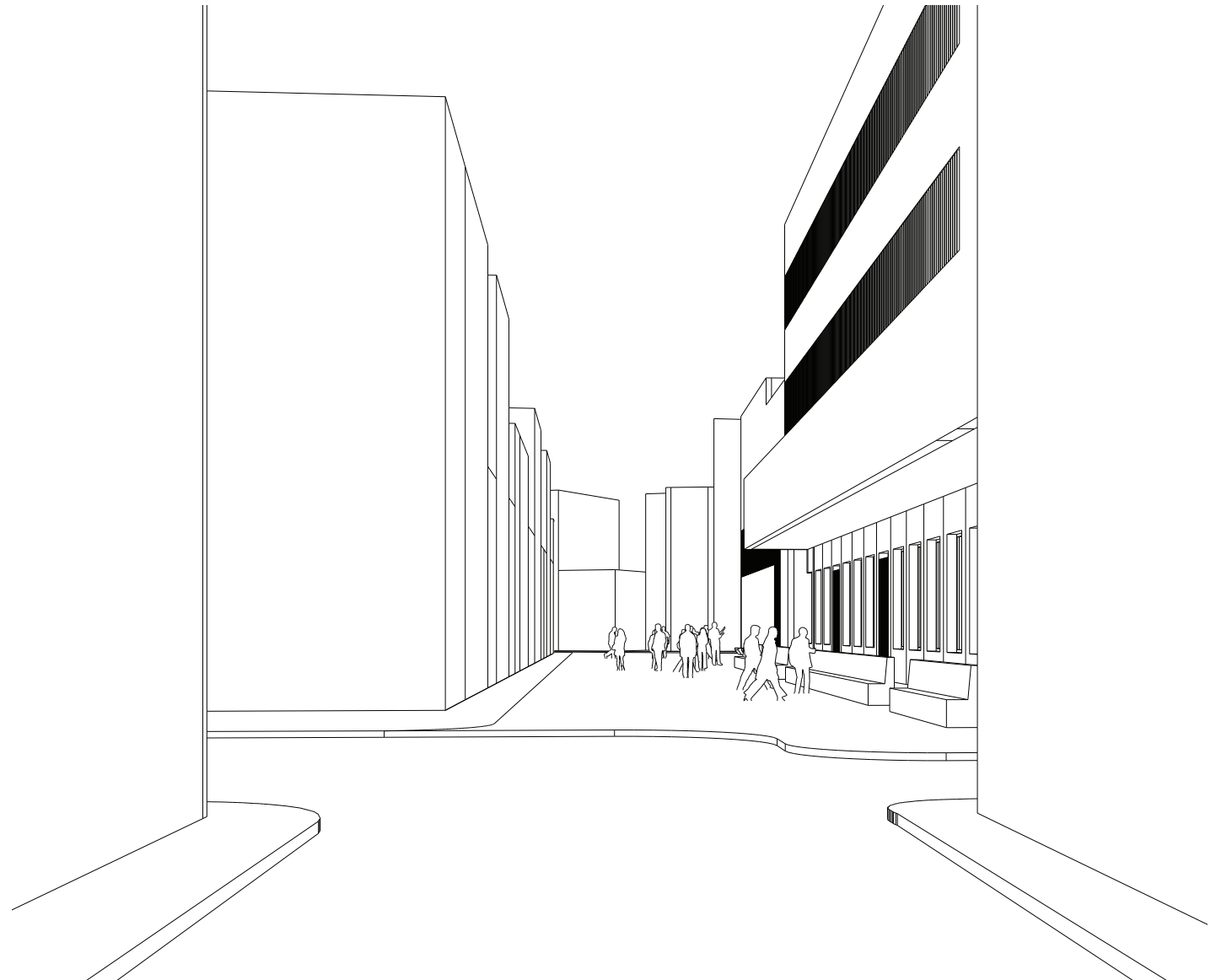
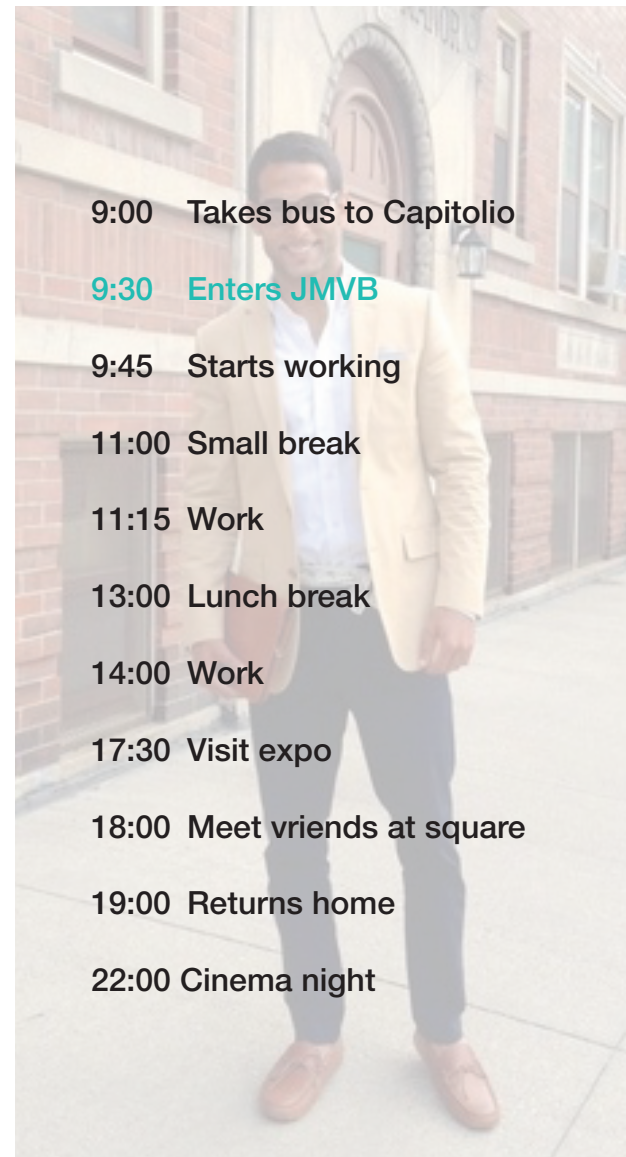
GEORGINA



GEORGINA



FABIAN



FABIAN

9:00 Takes bus to Capitolio

9:30 Enters JMVB

9:45 Starts working

11:00 Small break

11:15 Work

13:00 Lunch break

14:00 Work

17:30 Visit expo

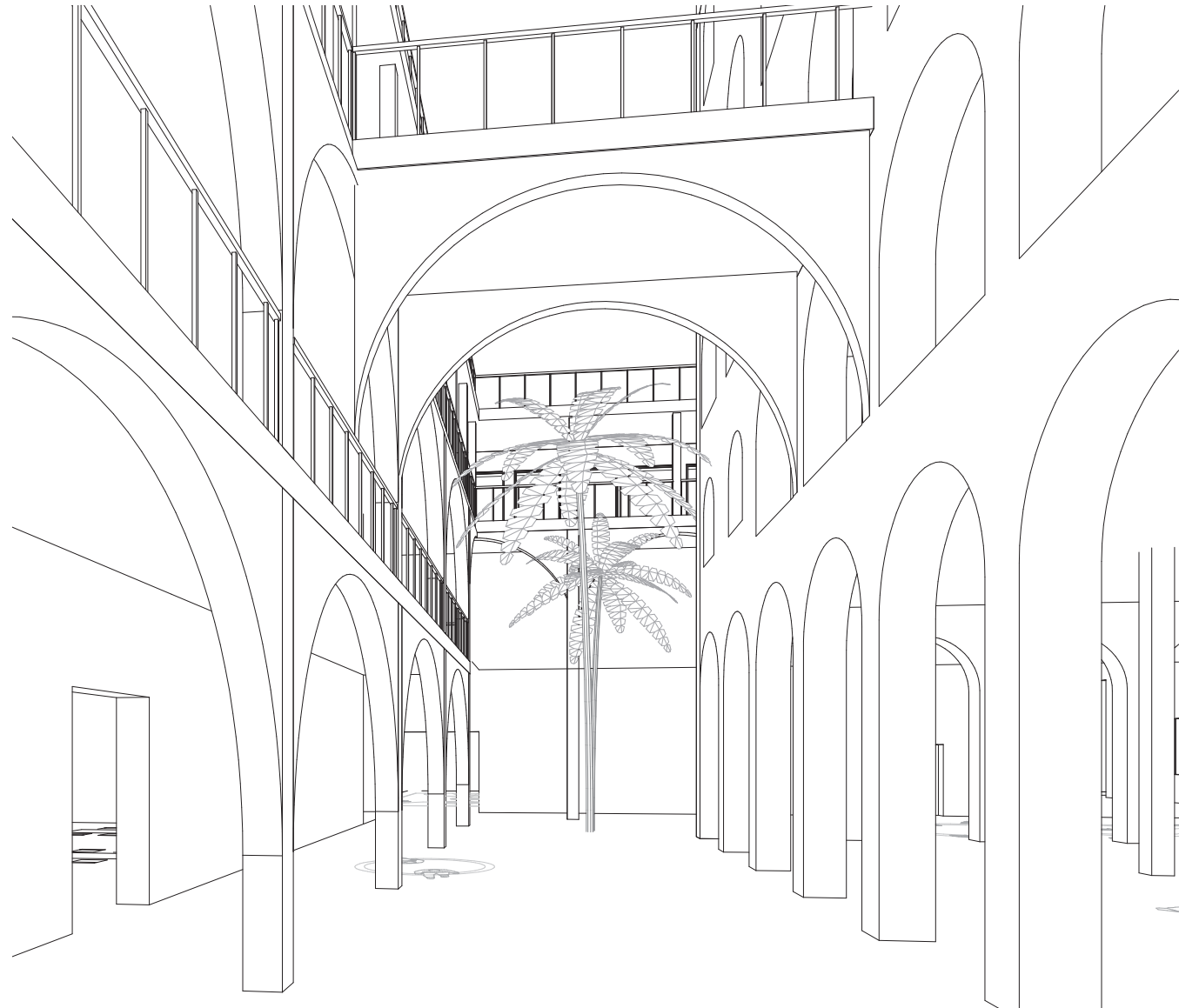
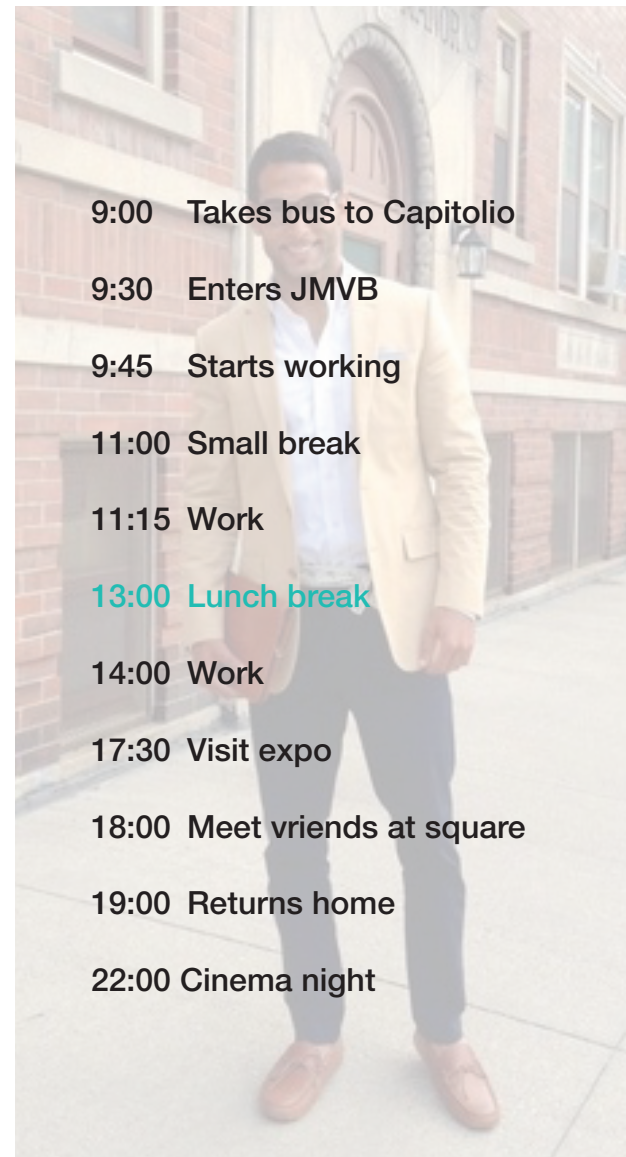
18:00 Meet friends at square

19:00 Returns home

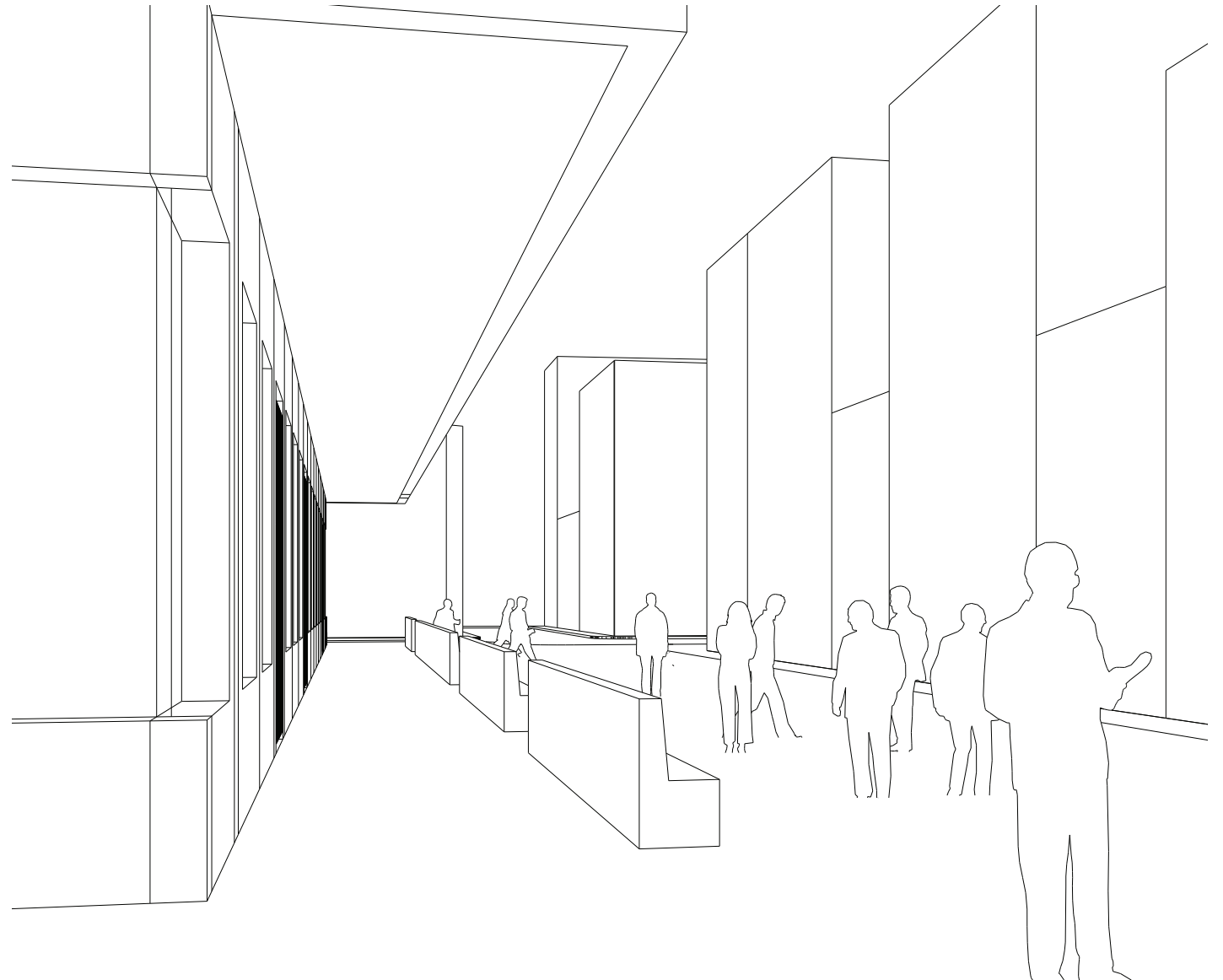
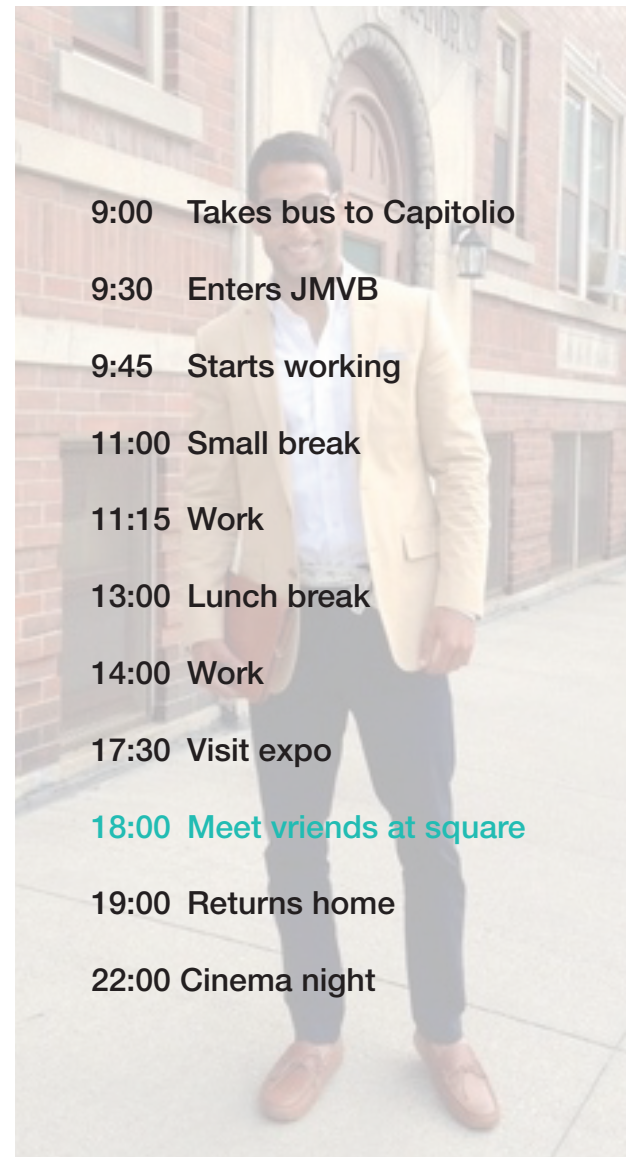
22:00 Cinema night



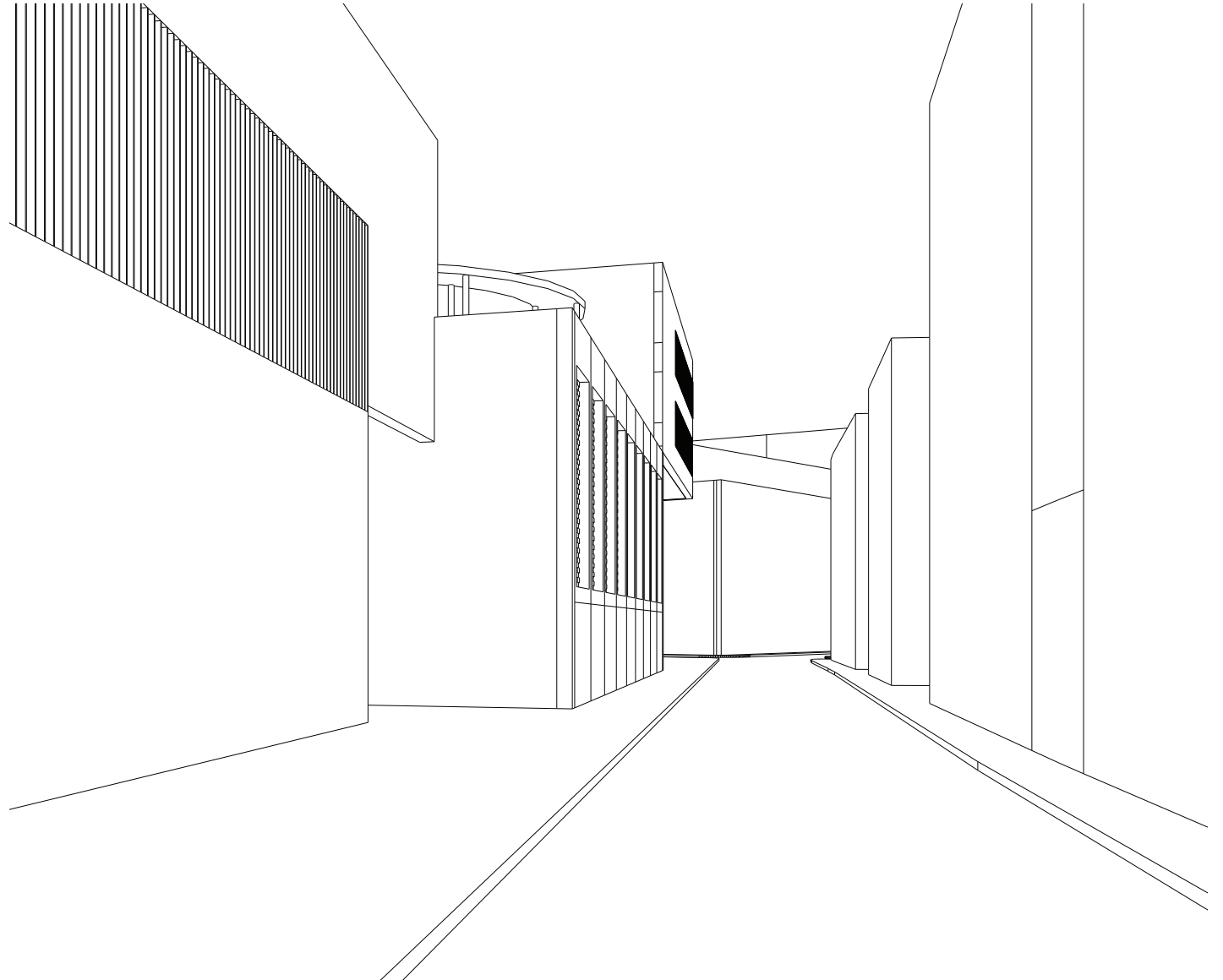
FABIAN



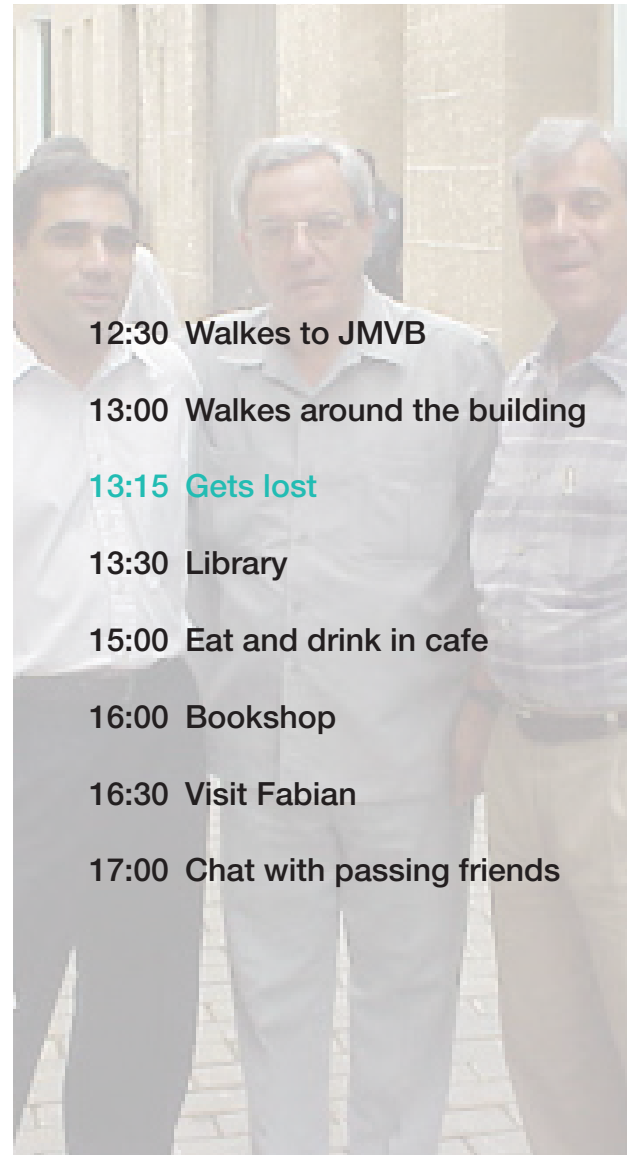
FABIAN



VINCENTE



VINCENTE



12:30 Walkes to JMBV

13:00 Walkes around the building

13:15 Gets lost

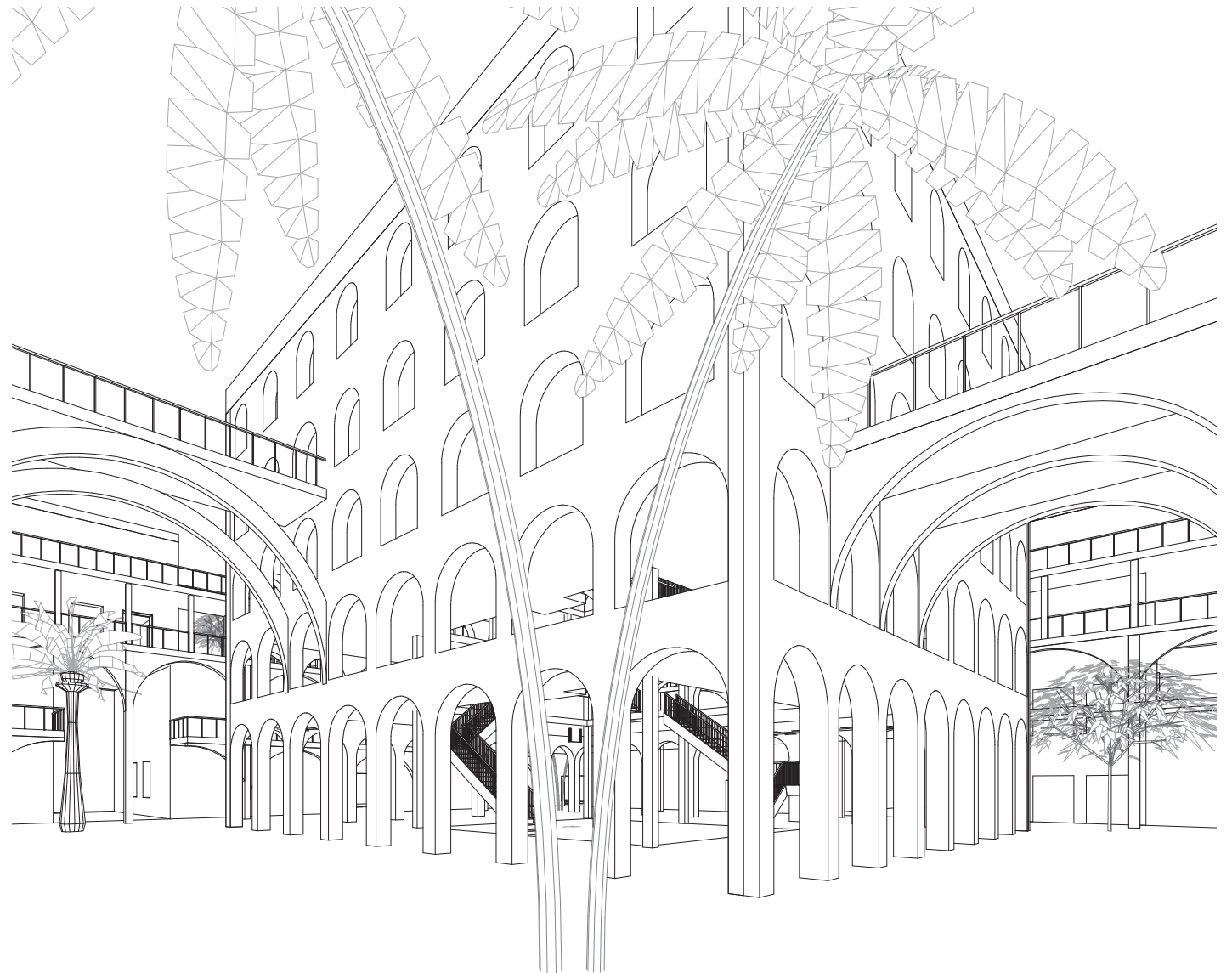
13:30 Library

15:00 Eat and drink in cafe

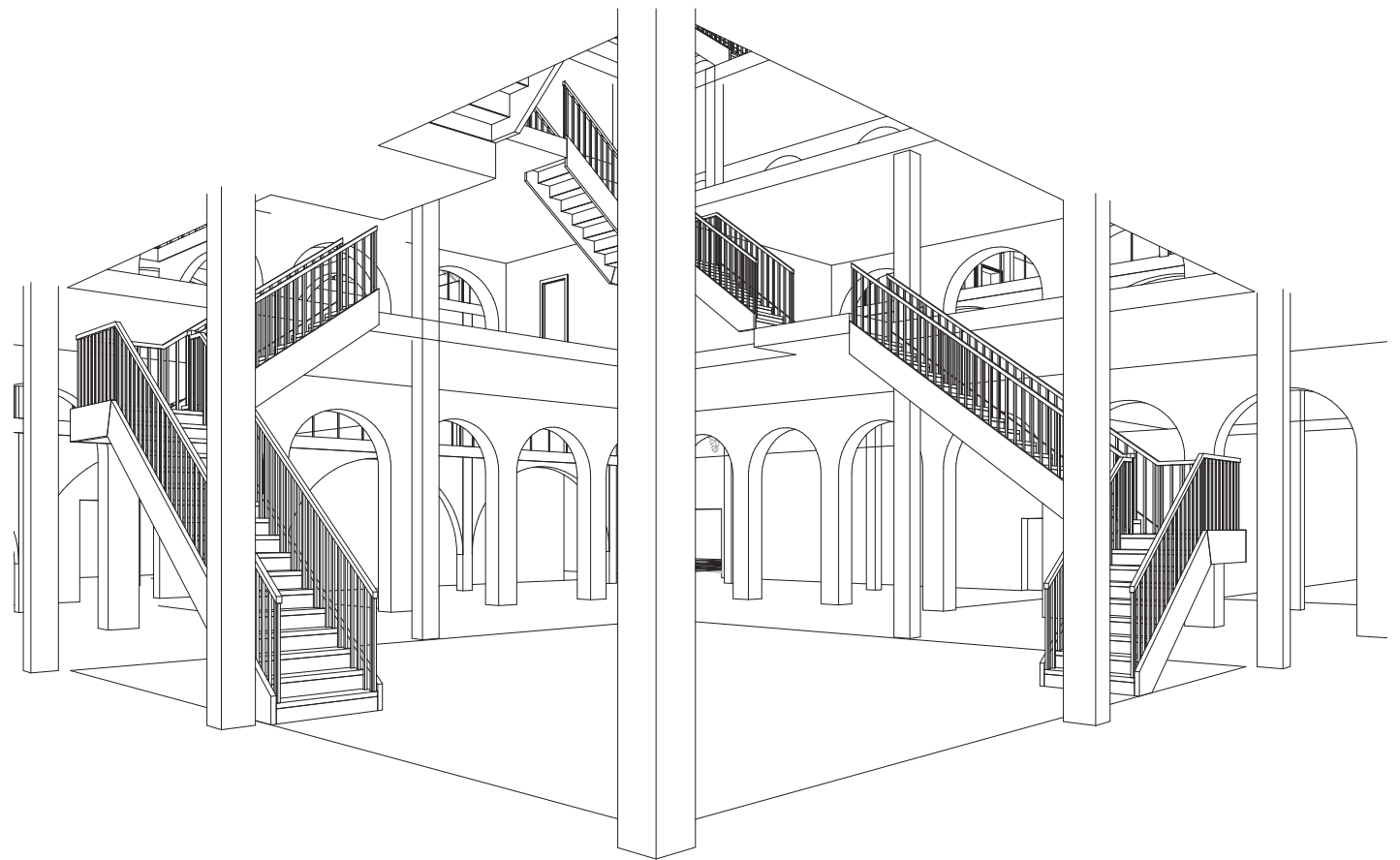
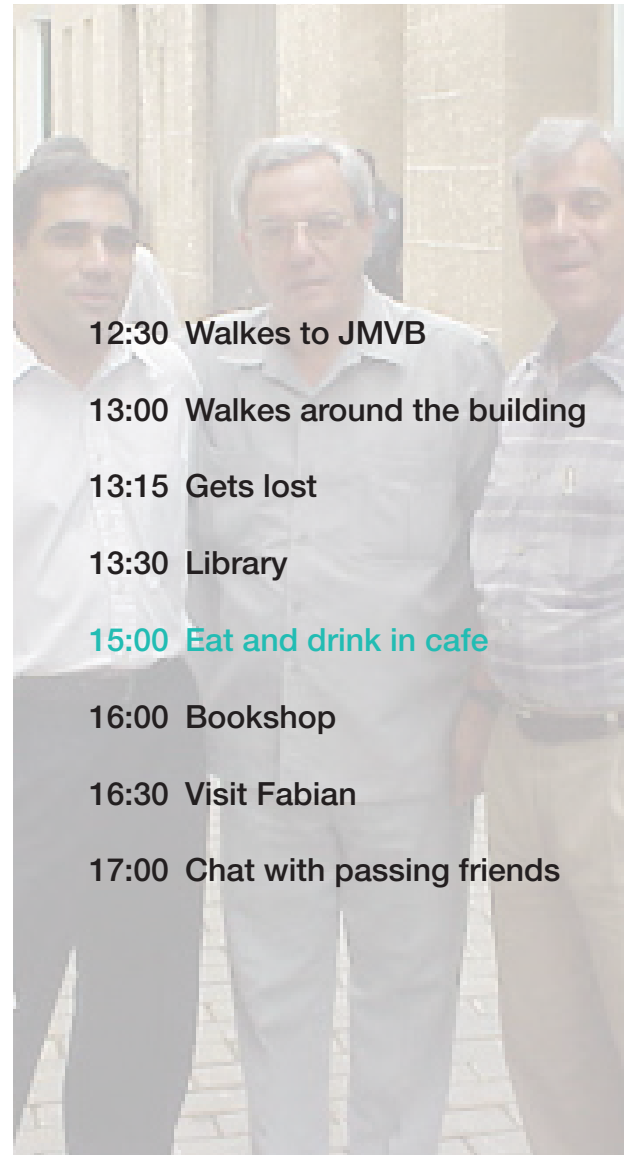
16:00 Bookshop

16:30 Visit Fabian

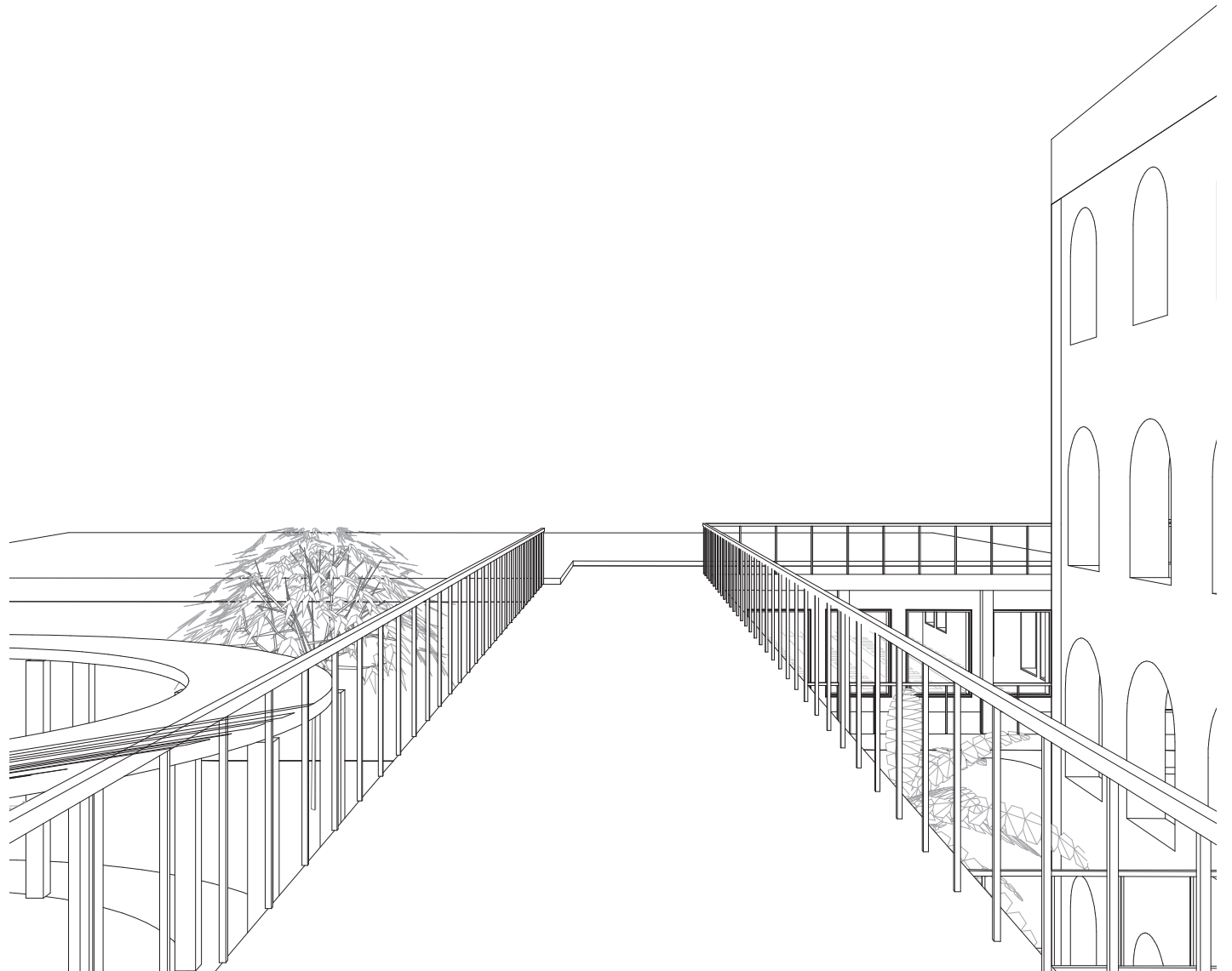
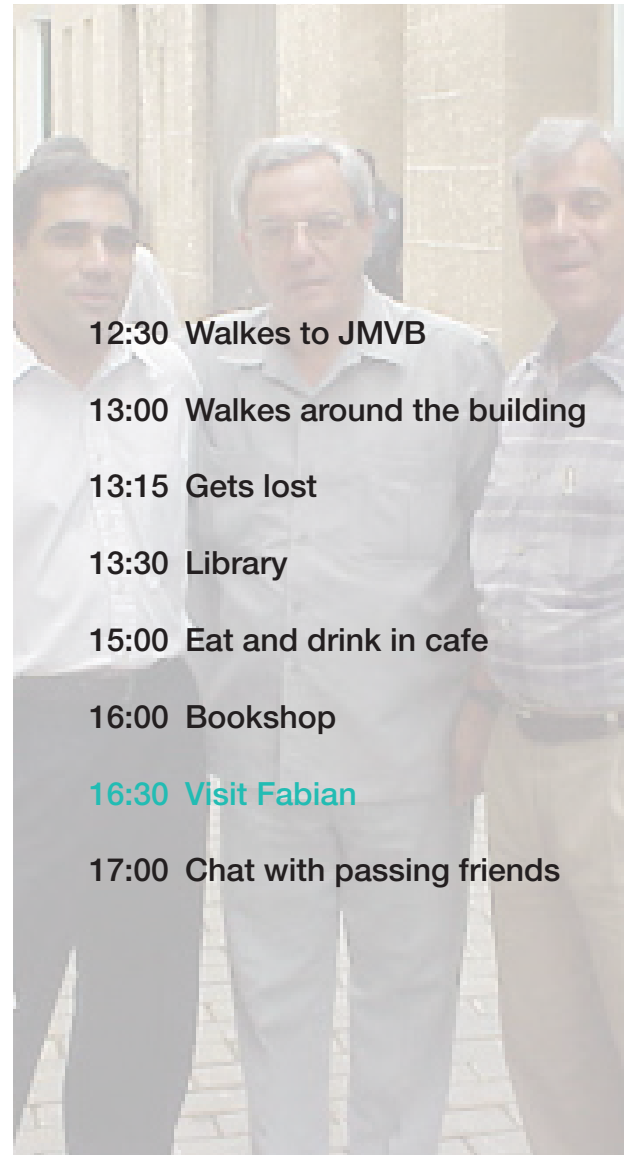
17:00 Chat with passing friends



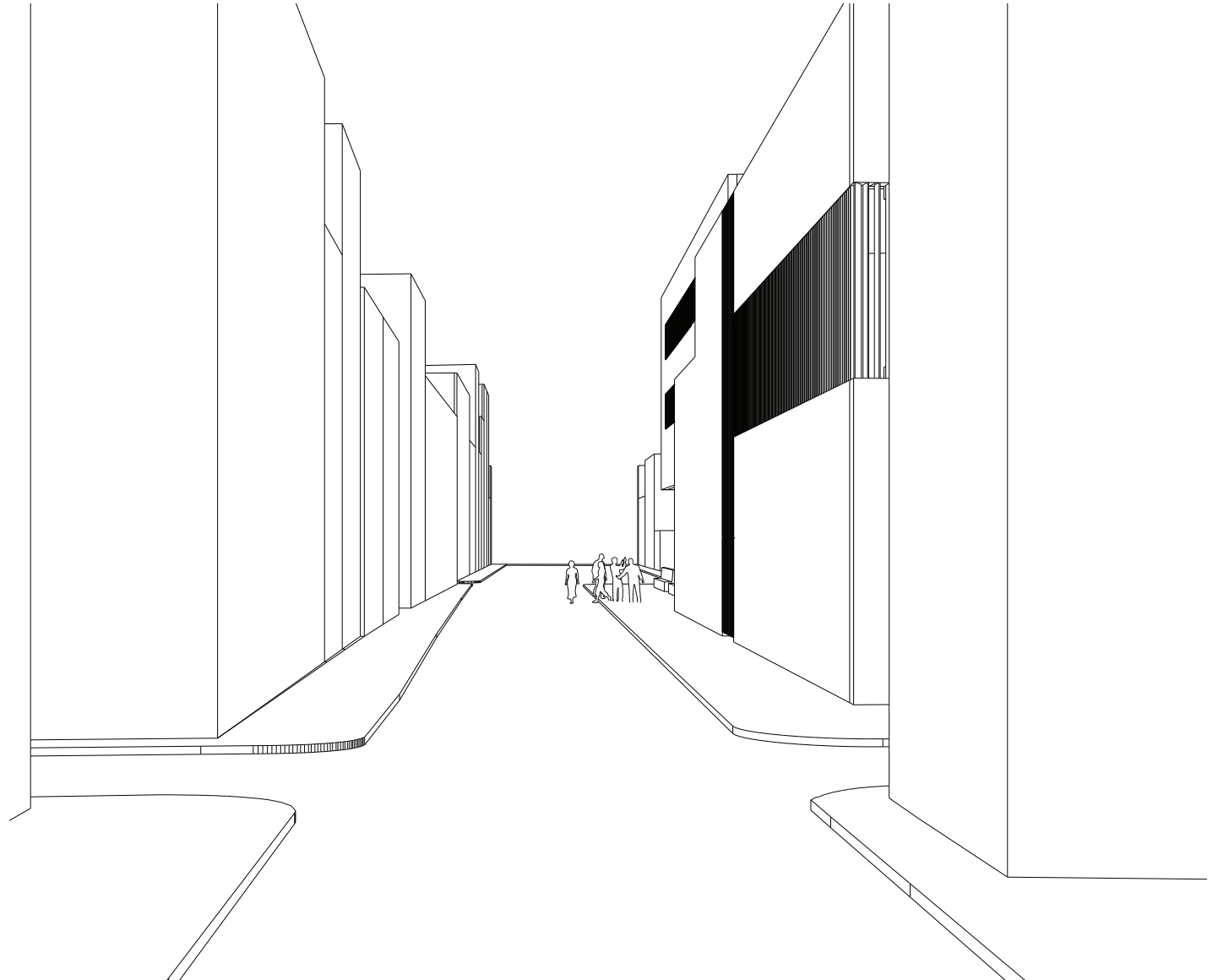
VINCENTE



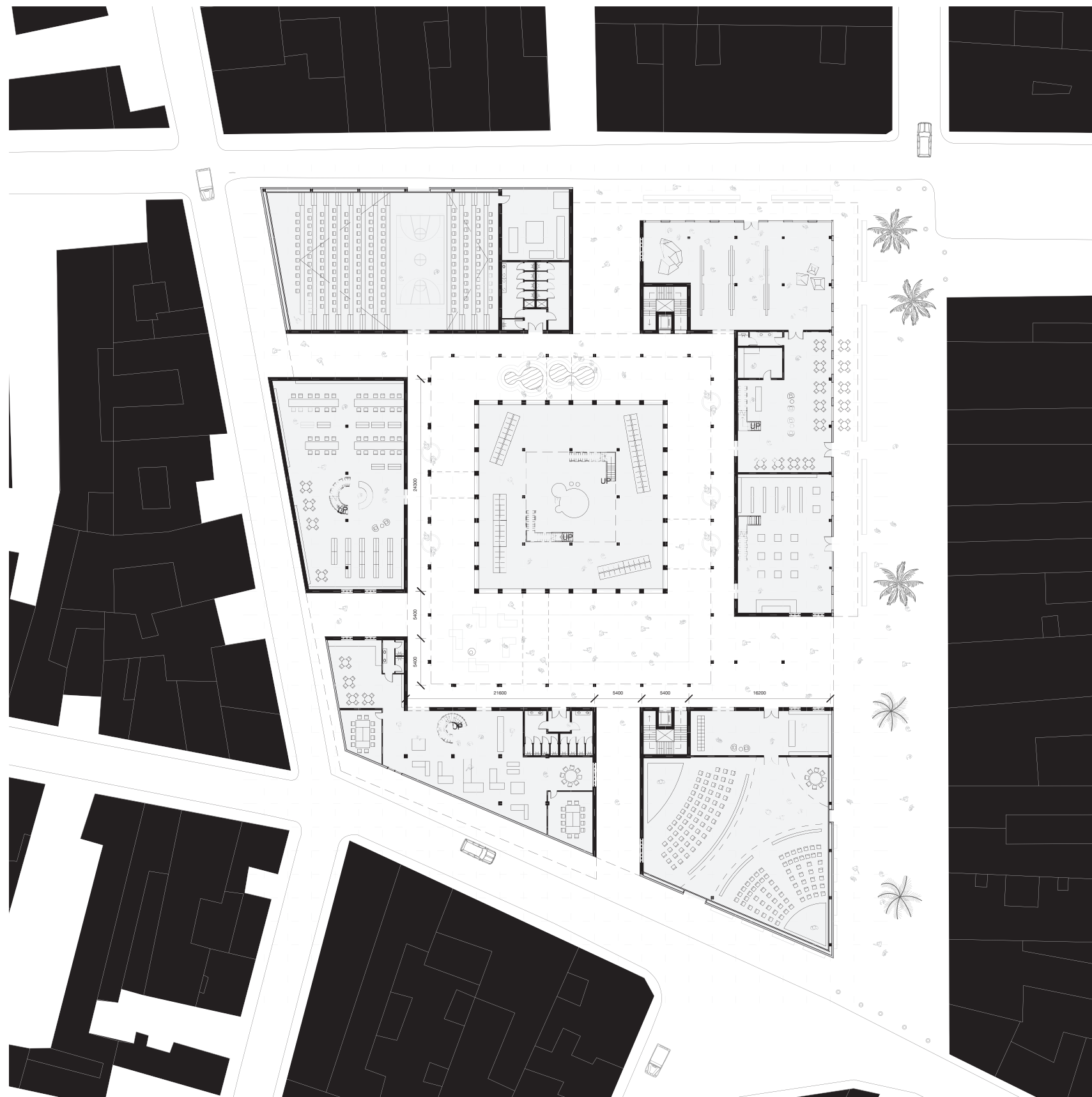
VINCENTE

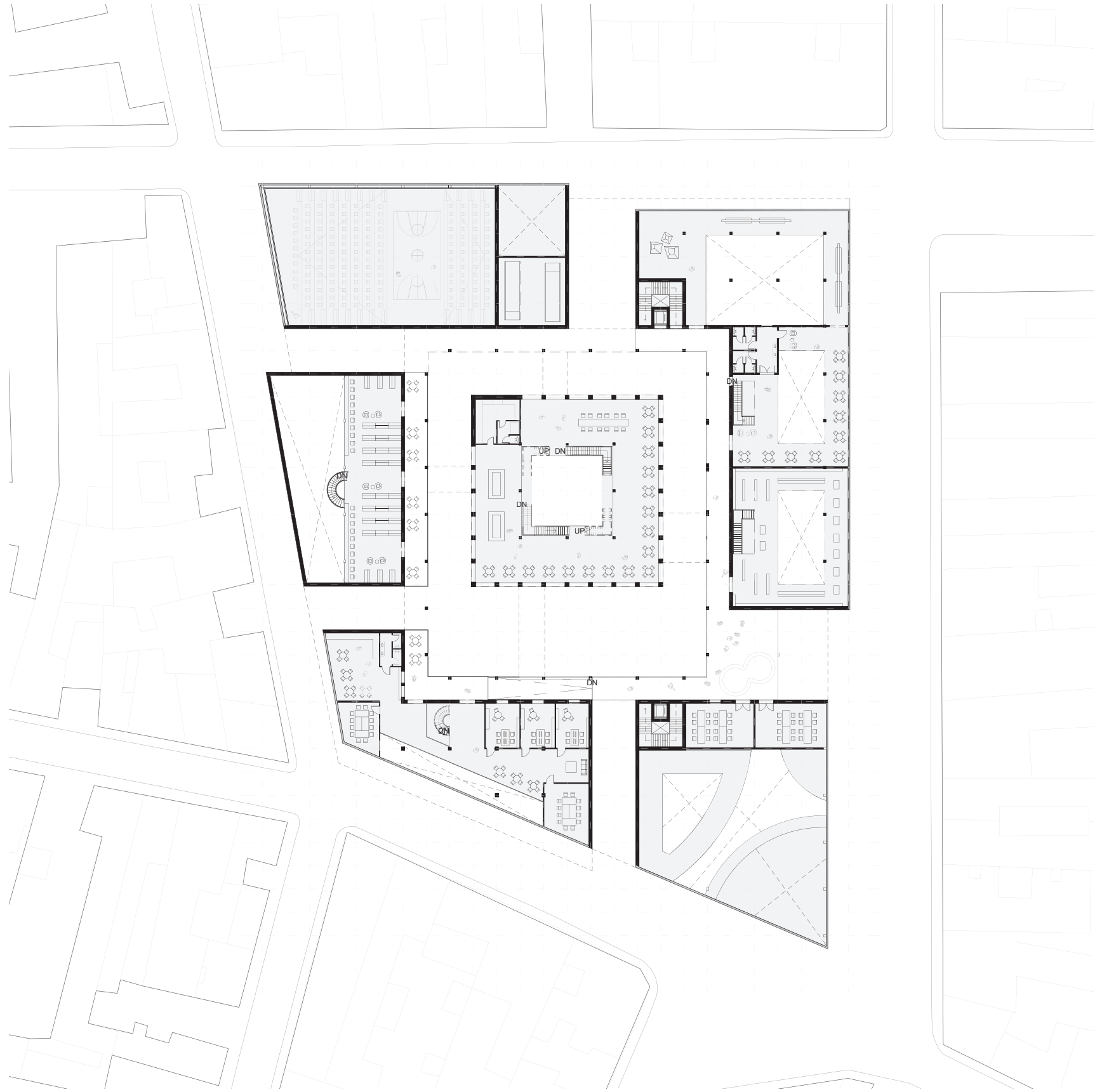


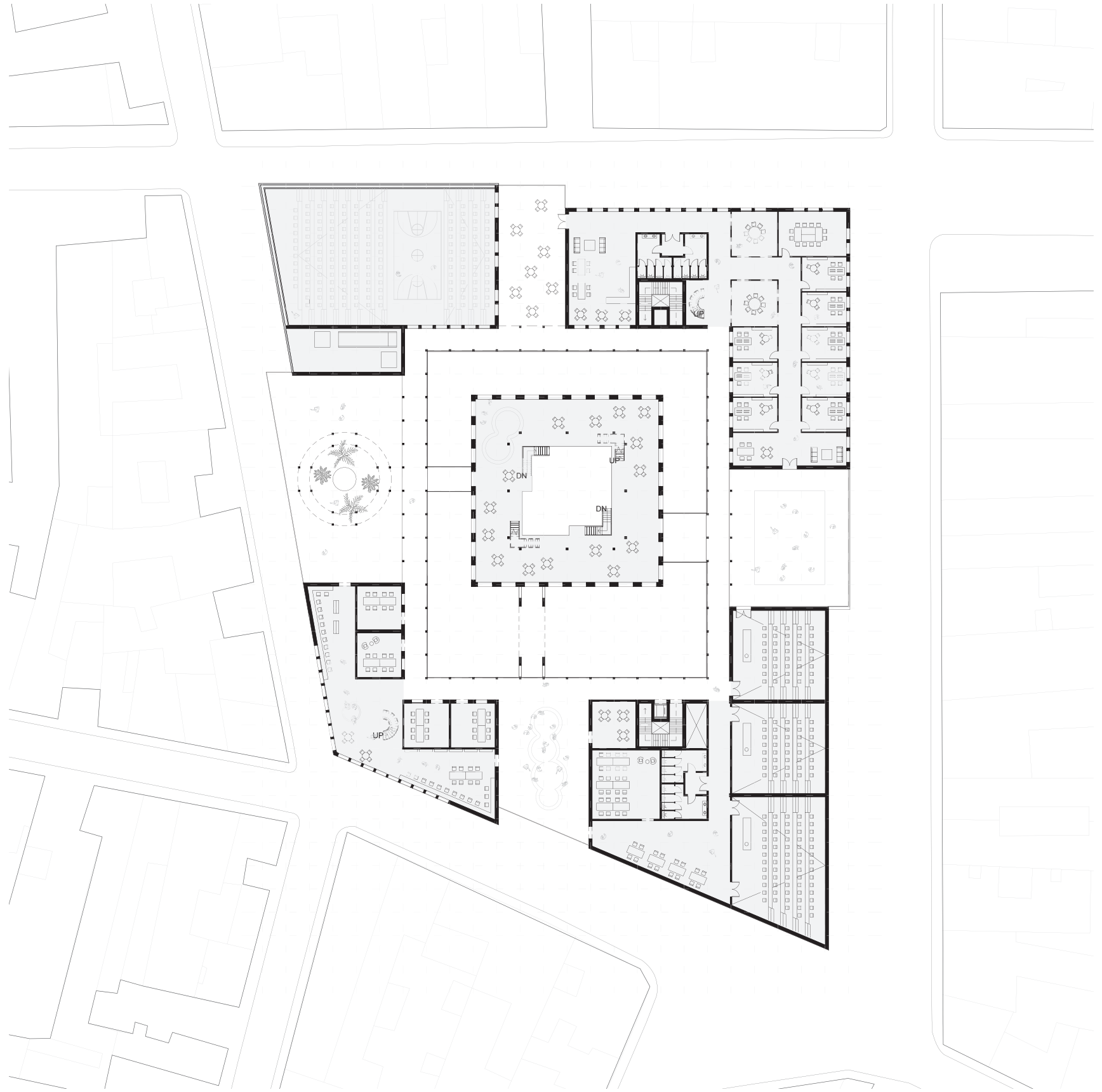
VINCENTE

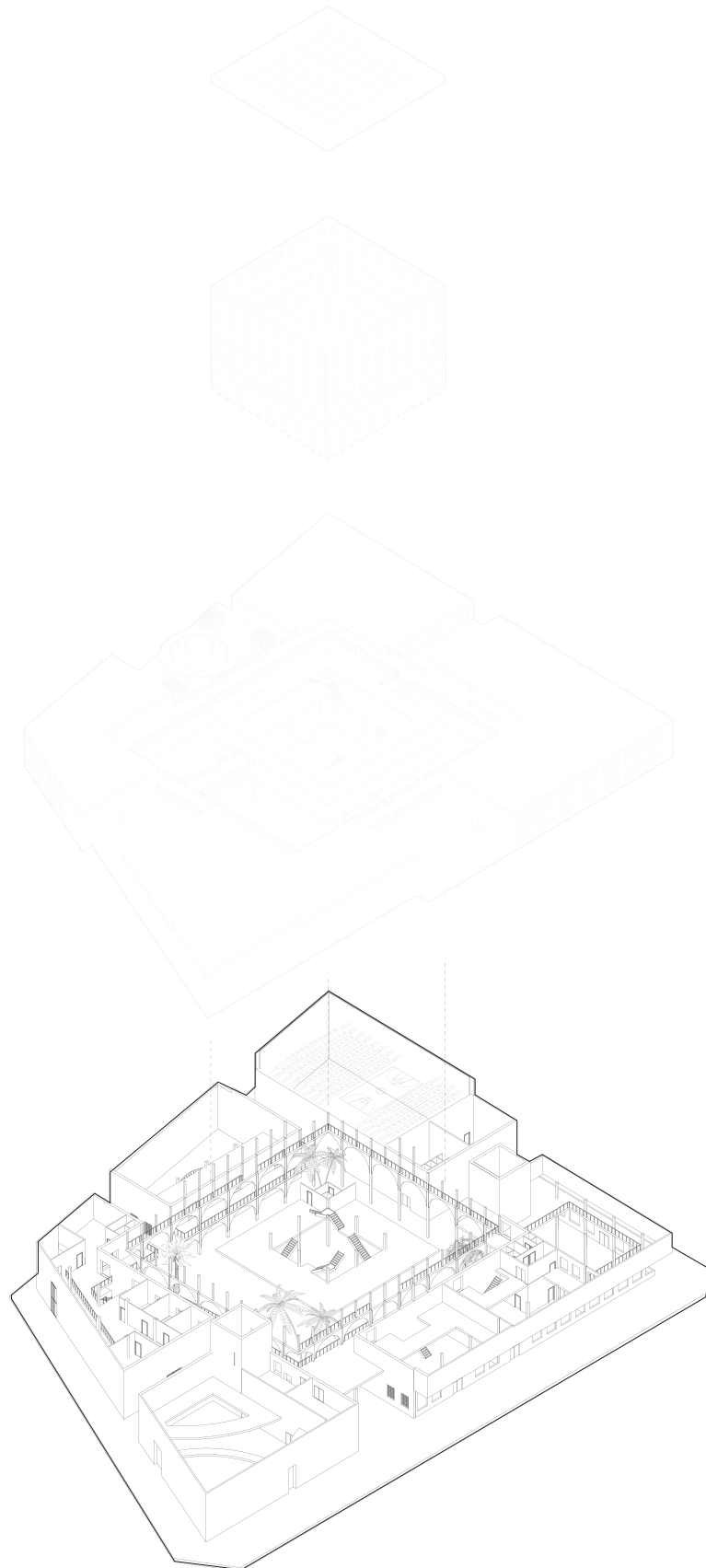




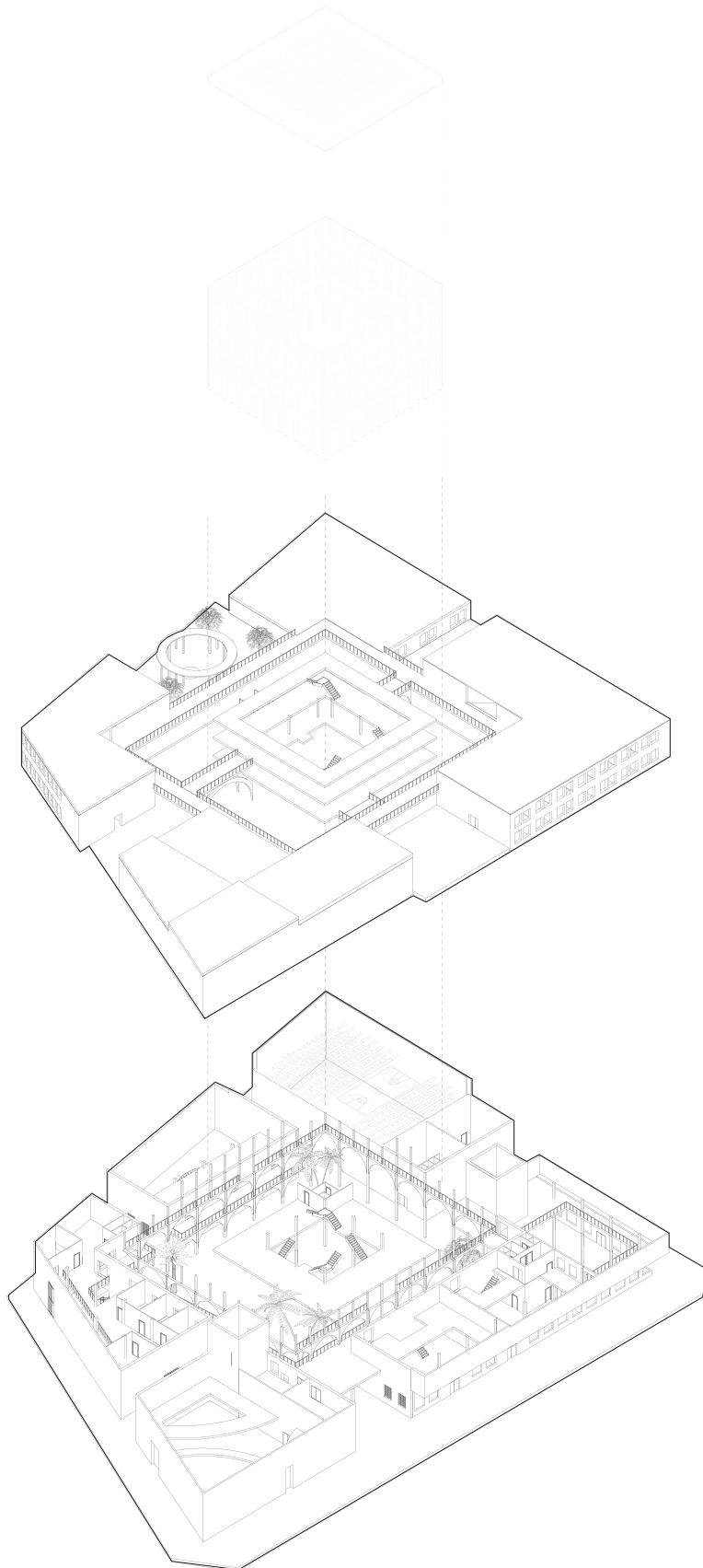






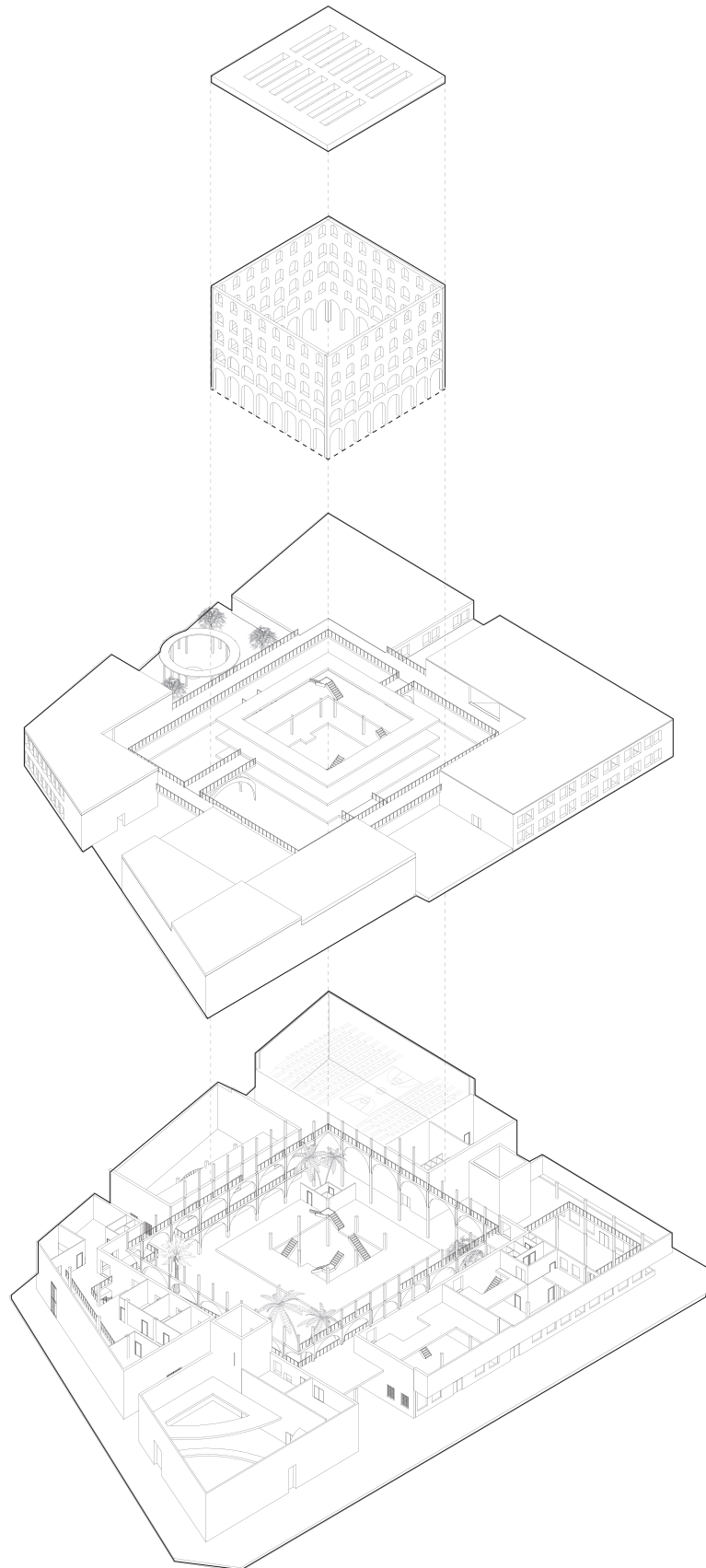


PUBLIC



PRIVATE

PUBLIC



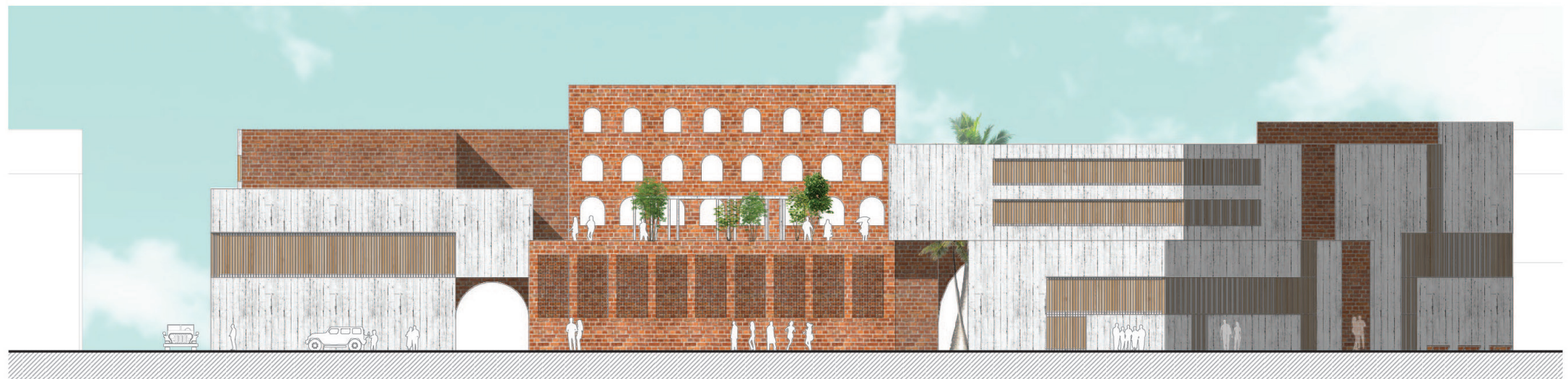
COMMUNAL

PRIVATE

PUBLIC



NORTH



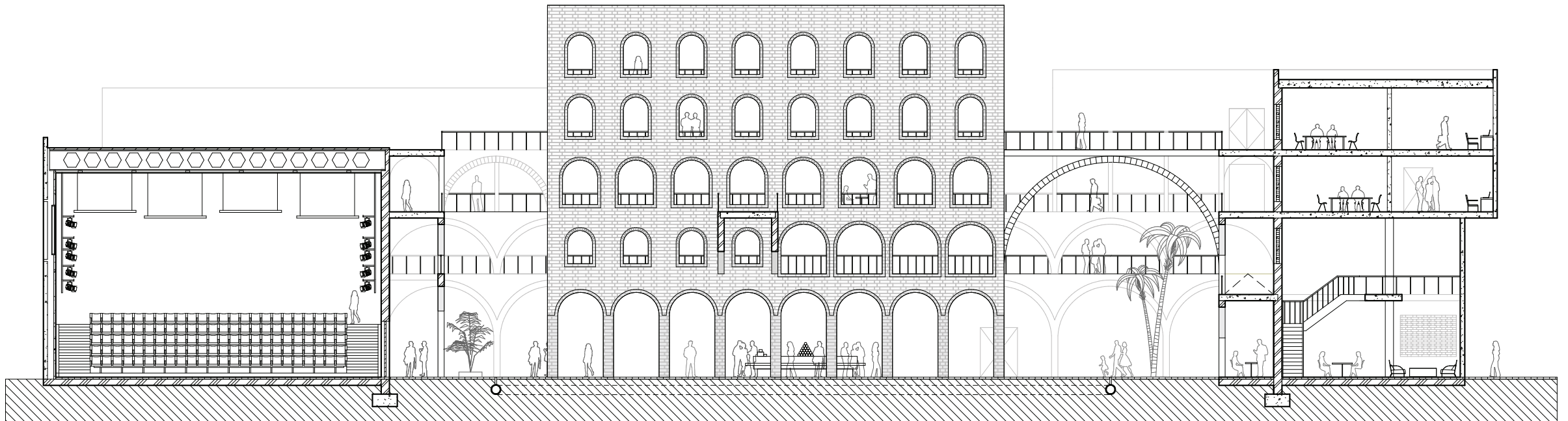
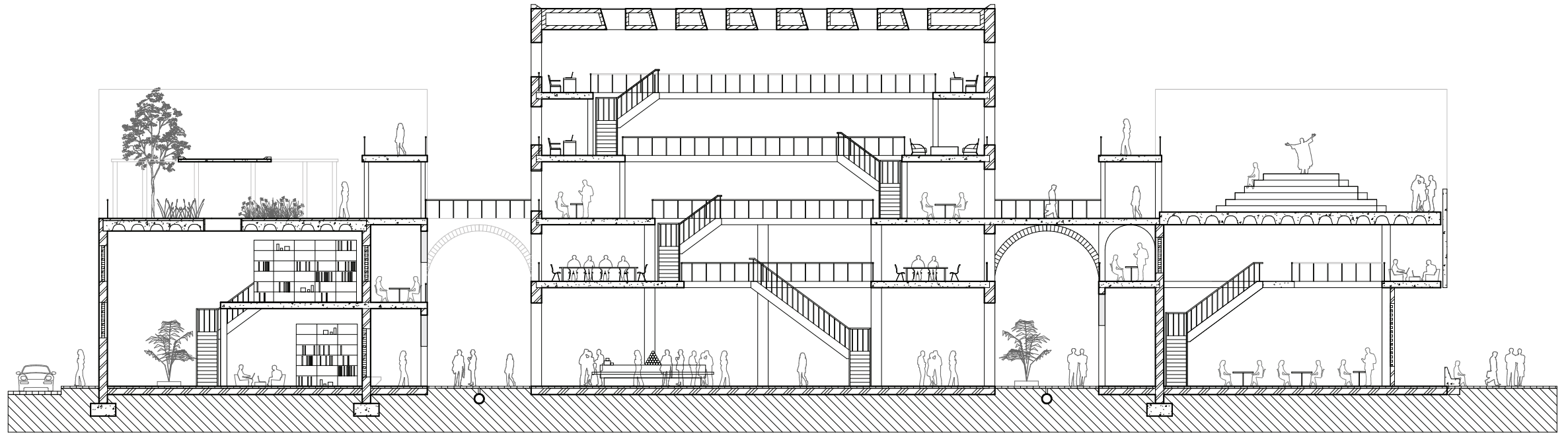
EAST

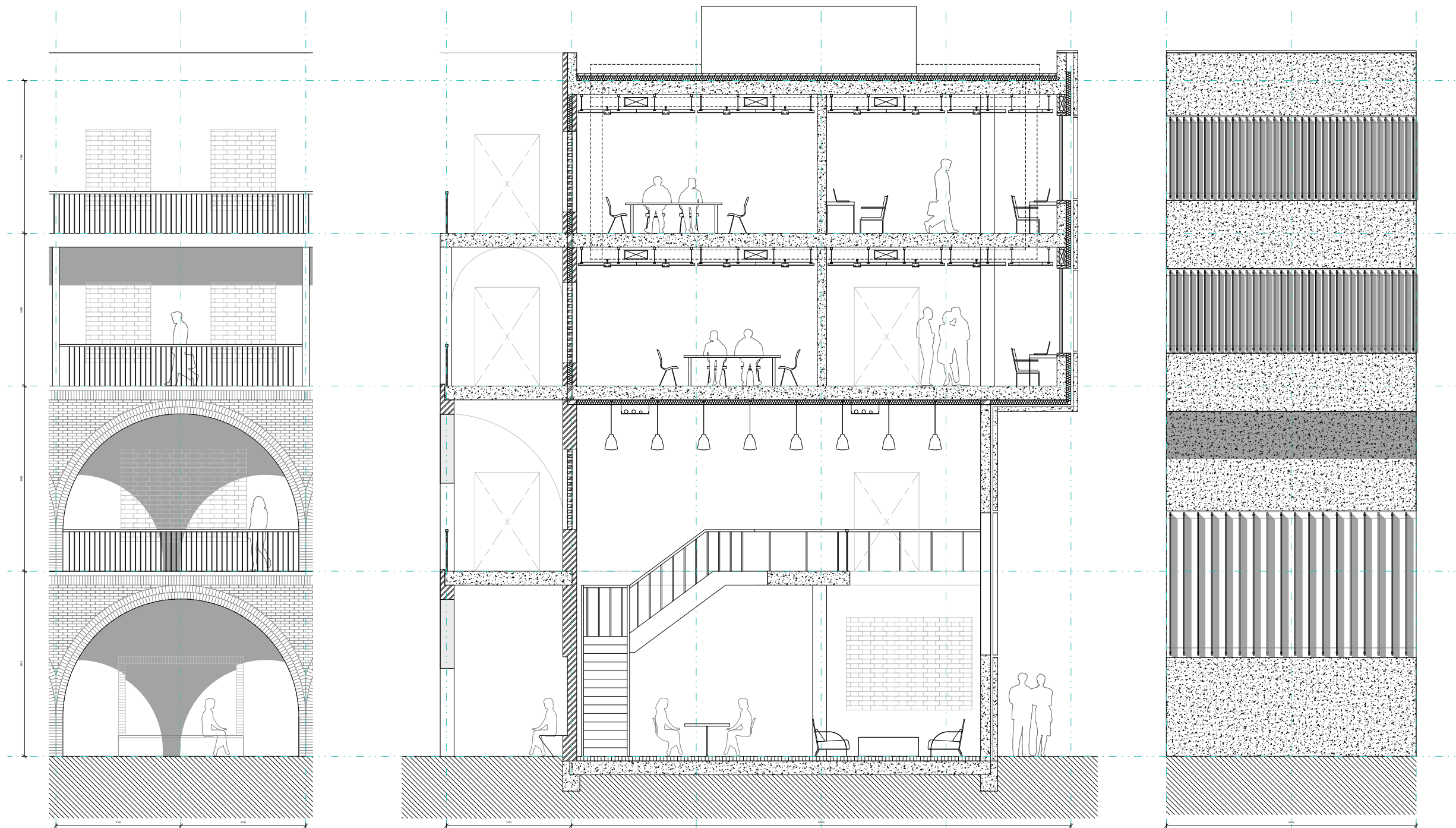


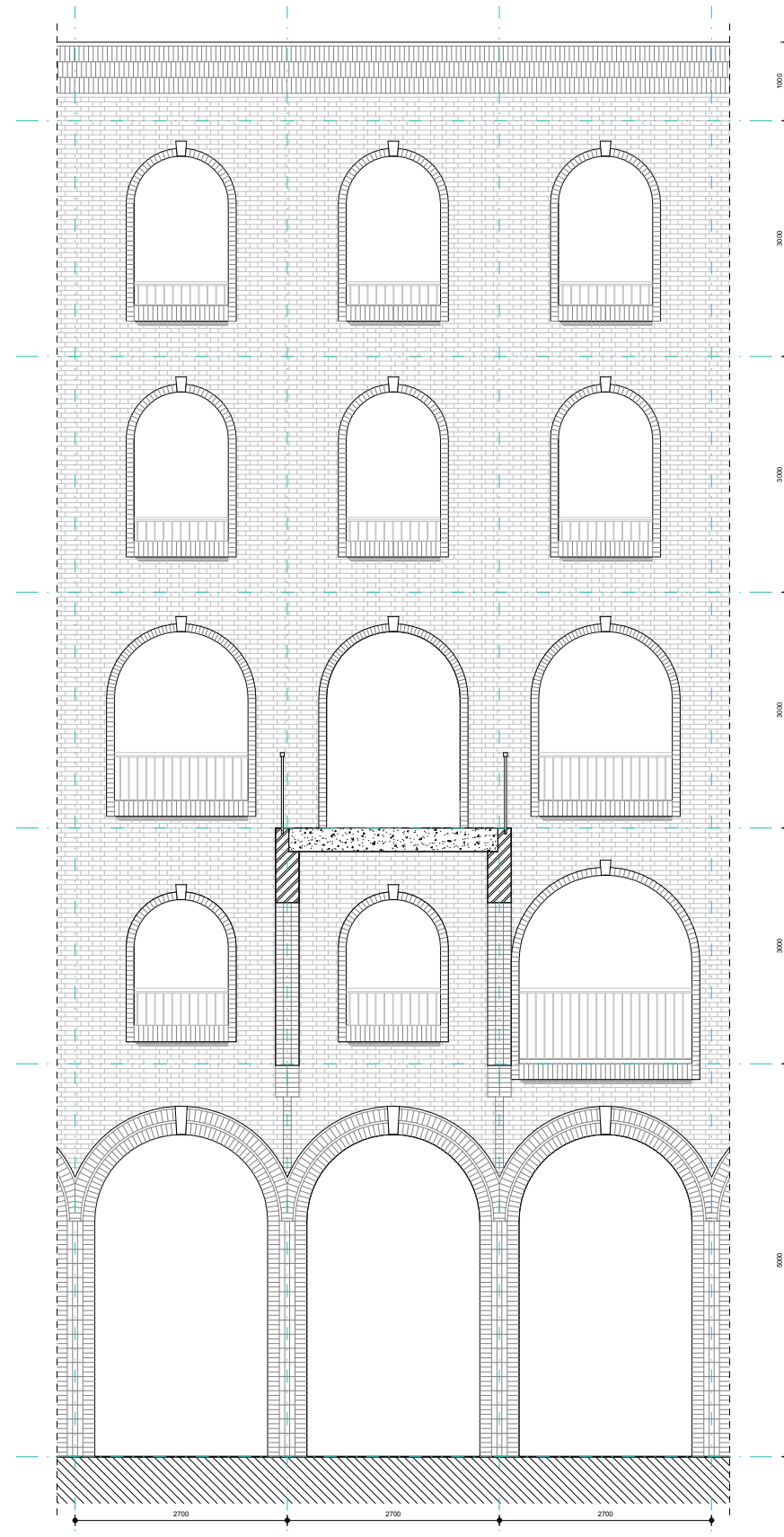
SOUTH



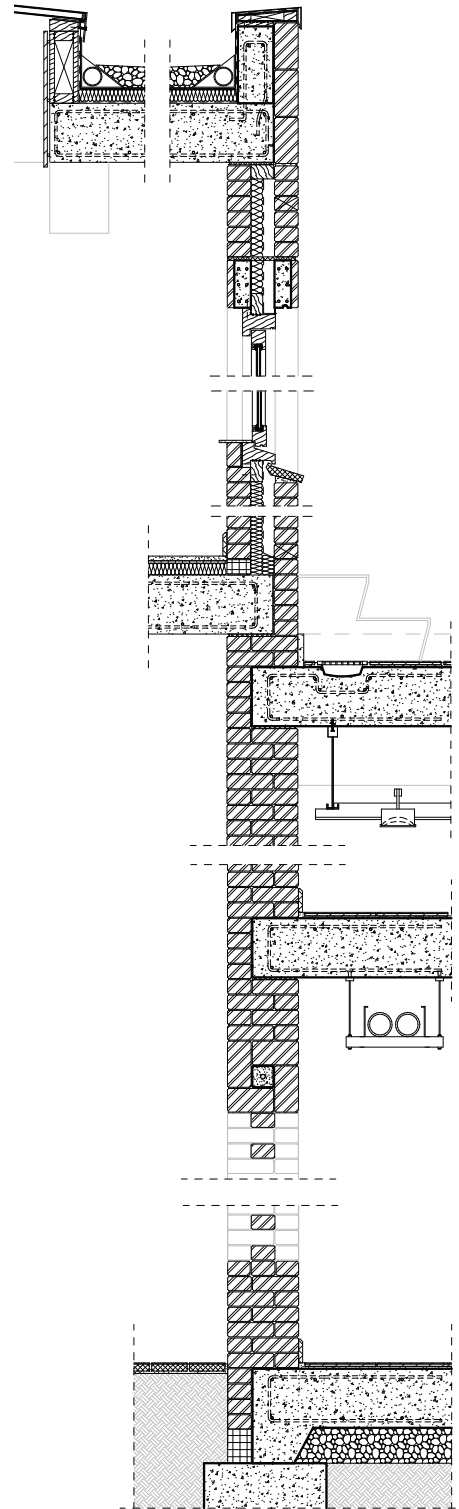
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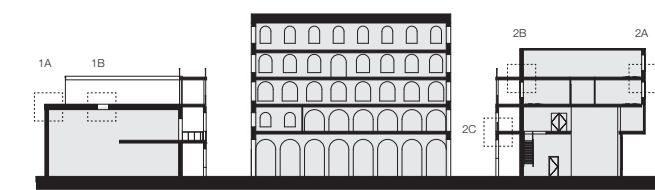
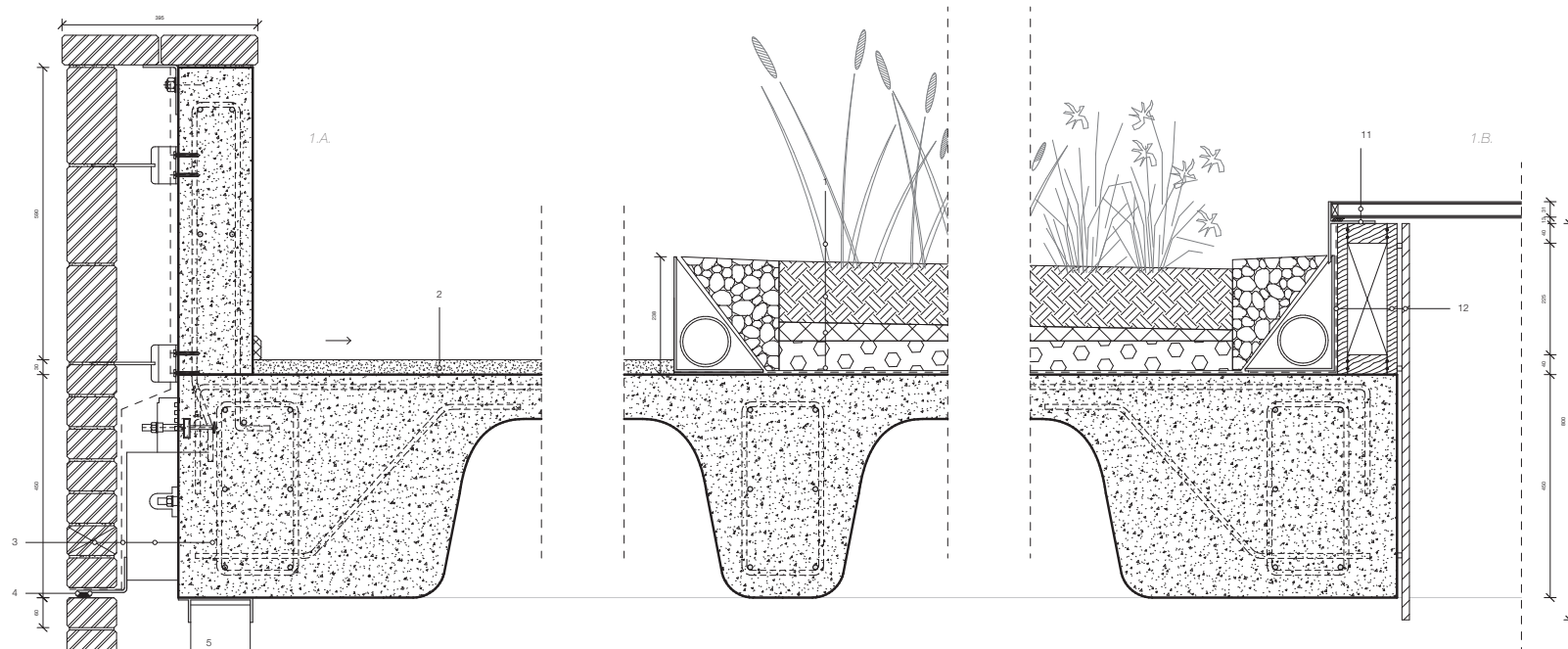




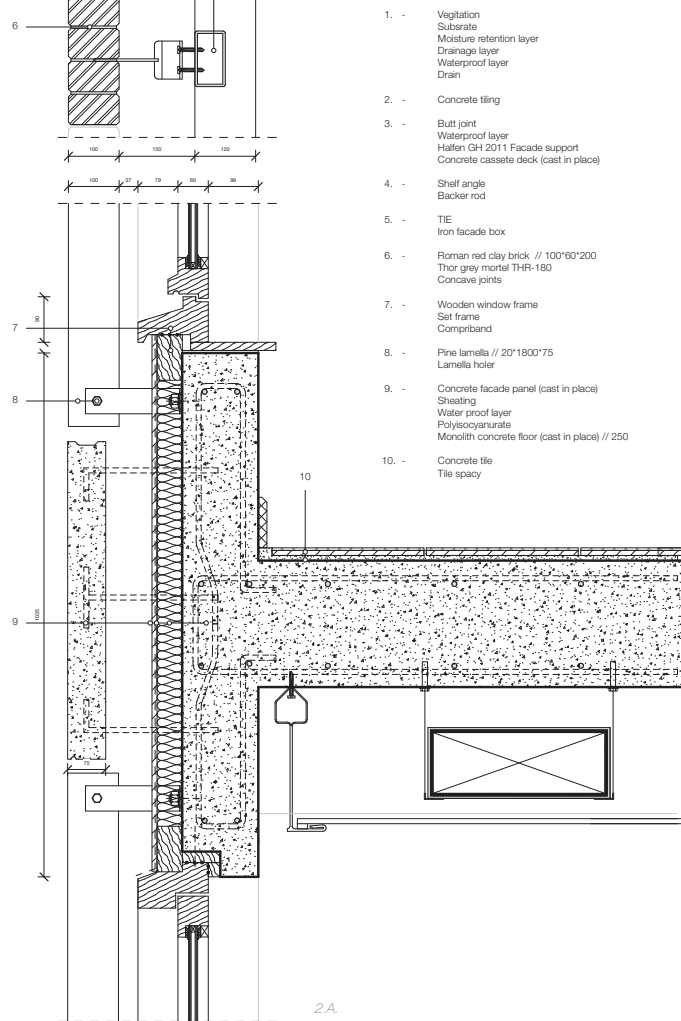




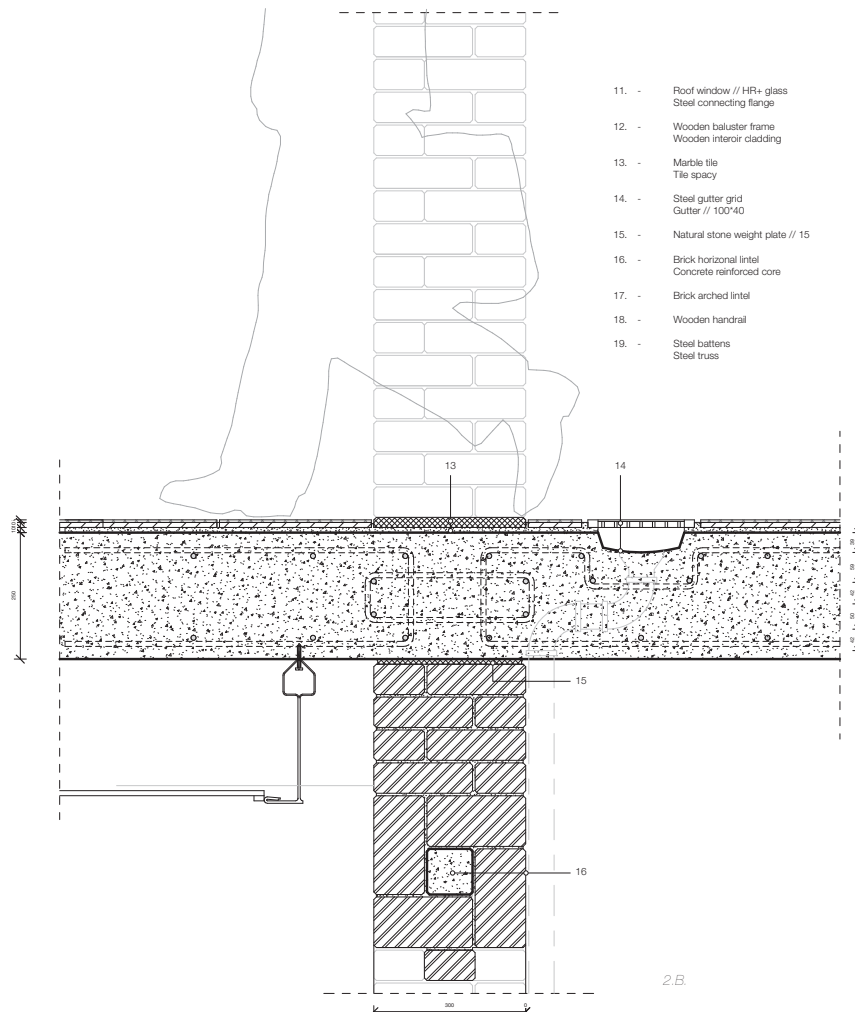




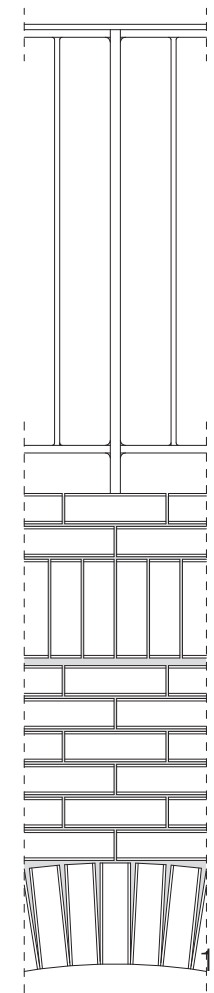
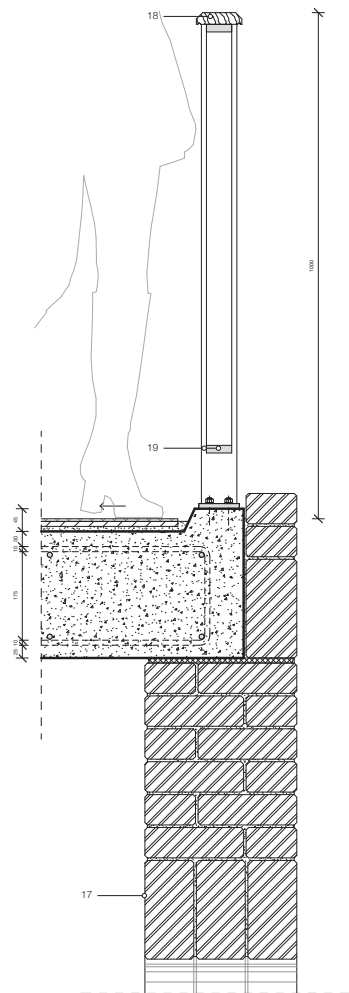
Detail location

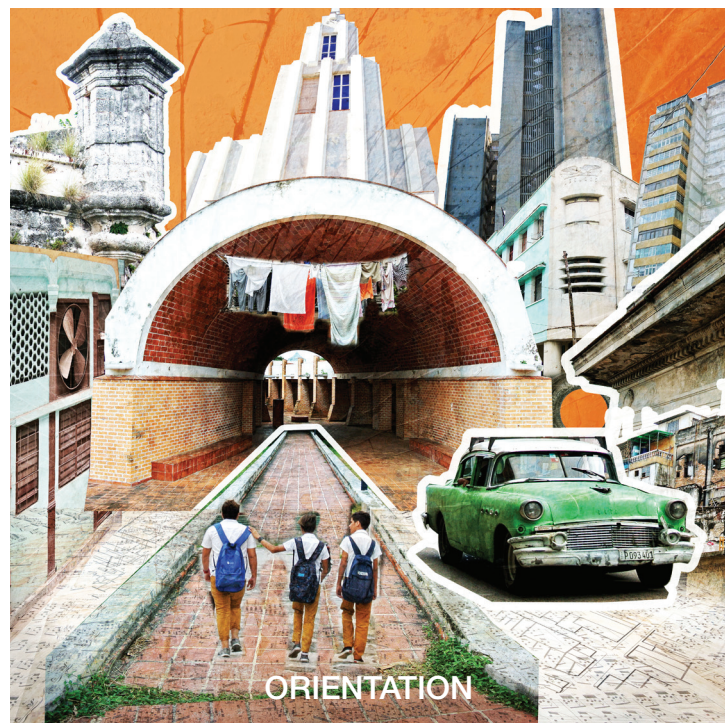


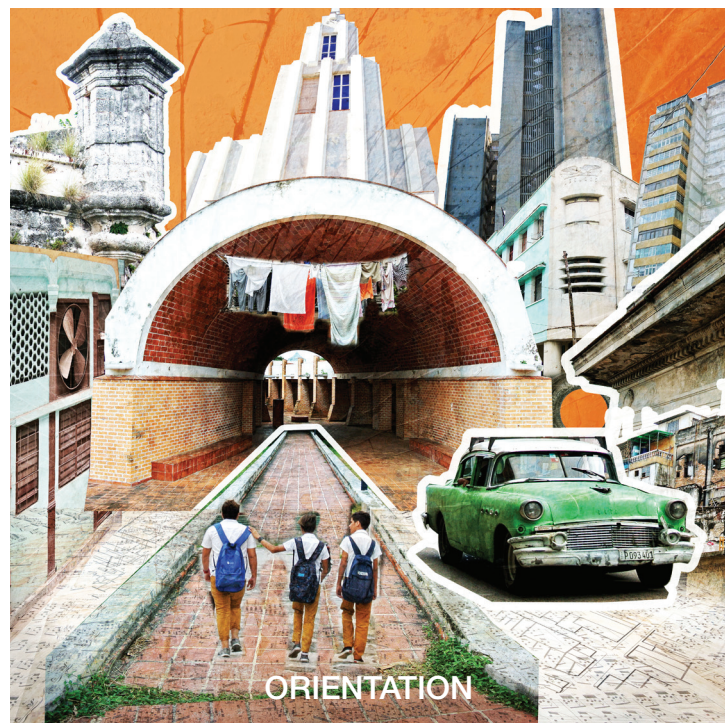
- 1. - Vegetation
Substrate
Moisture retention layer
Drainage layer
Waterproof layer
Drain
- 2. - Concrete tiling
- 3. - Butt joint
Waterproof layer
Hallen GH 2011 Facade support
Concrete cassette deck (cast in place)
- 4. - Shelf angle
Backer rod
- 5. - TIE
Iron facade box
- 6. - Roman red clay brick // 100*60*200
Thor grey mortel TH-R-180
Concave joints
- 7. - Wooden window frame
Set frame
Compriband
- 8. - Pine lamella // 20*1800*75
Lamella holder
- 9. - Concrete facade panel (cast in place)
Sheathing
Water proof layer
Polysiocyanurate
Monolith concrete floor (cast in place) // 250
- 10. - Concrete tile
Tile spacy

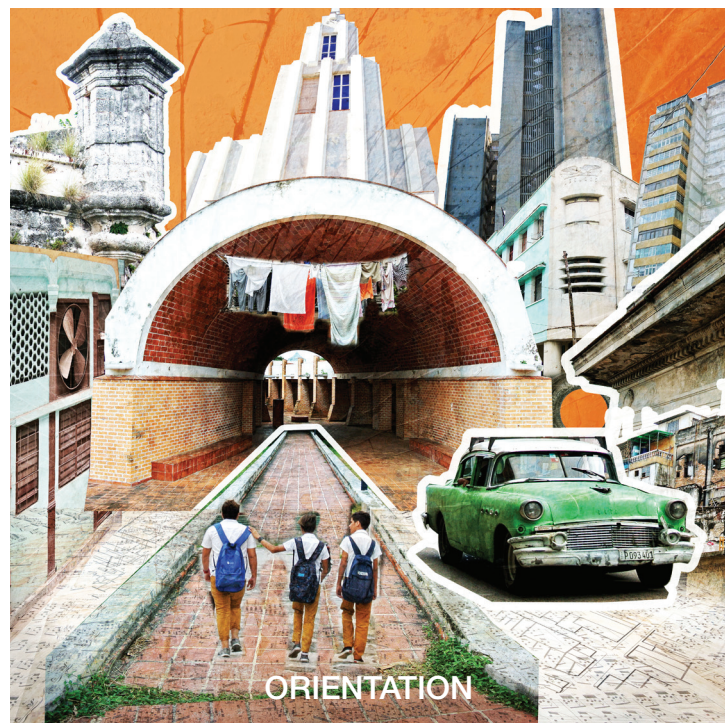


- 11. - Roof window // HR+ glass
Steel connecting flange
- 12. - Wooden baluster frame
Wooden interior cladding
- 13. - Marble tile
Tile spacy
- 14. - Steel gutter grid
Gutter // 100*40
- 15. - Natural stone weight plate // 15
- 16. - Brick horizontal lintel
Concrete reinforced core
- 17. - Brick arched lintel
- 18. - Wooden handrail
- 19. - Steel battens
Steel truss









CONNECTING ELEMENTS

