



EDUCATIONAL HOMES

**FOR CHILDREN IN
COLOMBIA**



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- 2. The Colombian context**
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MY PROJECT'S ORIGINS

ME, 12 YEARS OLD:

**« A DREAM HOUSE,
FOR ME AND MY 30
ADOPTED CHILDREN »**

THE HOUSE, 12 YEARS OLD:



... IDEM AT 15 YEARS OLD...





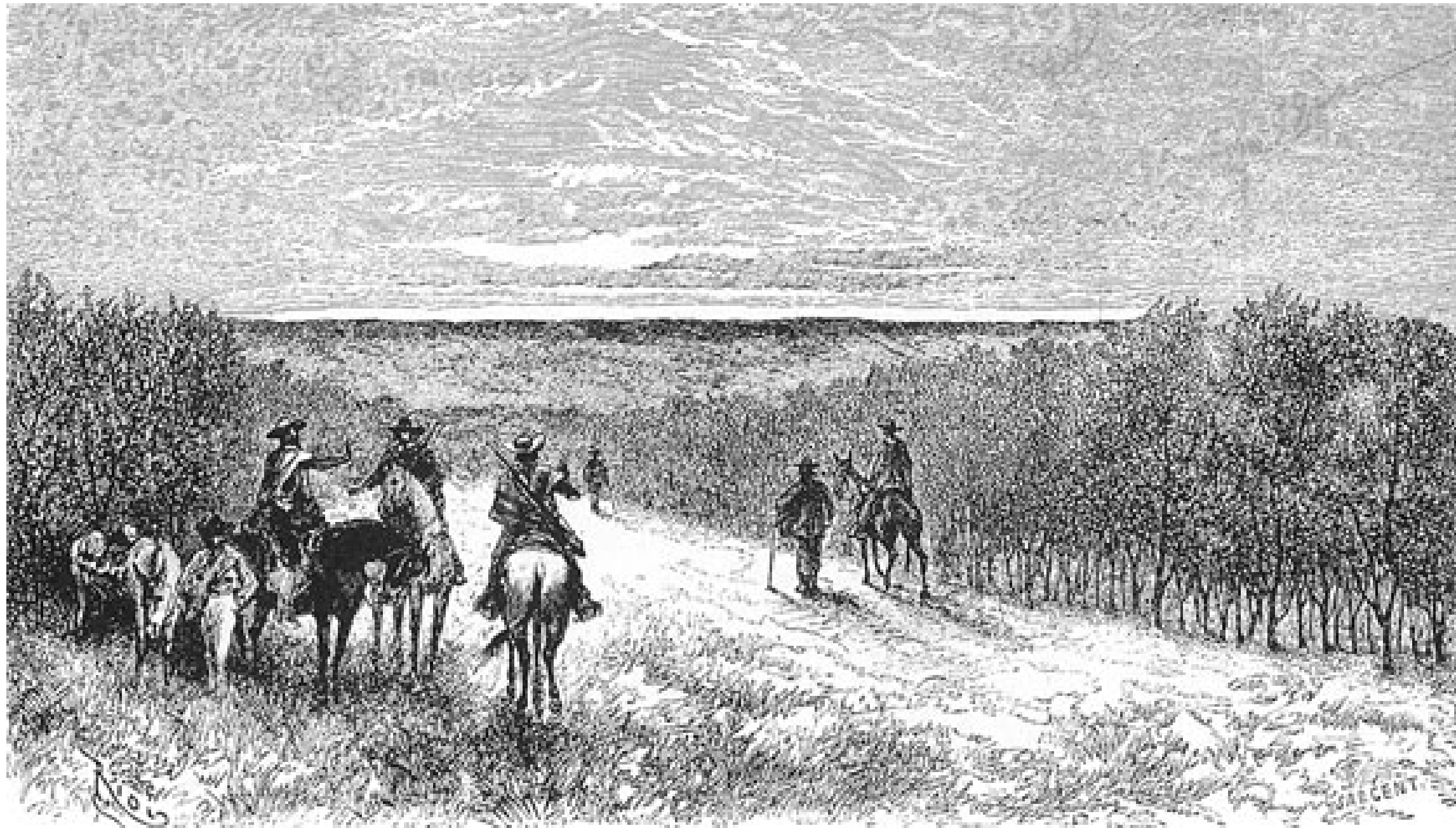
**from that point of origin
to the 1st frame:**

**children in vulnerable
situations**

+

Colombian context

COLOMBIAN CONTEXT



Agrarian colonisation

**Dispossession
of lands**



COLOMBIAN CONTEXT

'La Violencia'

Unequal land
distribution

Liberalists against
Capitalists



‘Armed conflict’

**Peasant militia reject
central authorities**

FARC, ELN guerrillas

**self-defense group
and paramilitaries**

COLOMBIAN CONTEXT



‘1948 - end date?’

Attacks on civilians

7.4 million of internally displaced Colombians



Vulnerable children

75% of the displaced population are women and children.

870,000 children are orphaned

1.039.000 child workers

In rural areas. 720.905 children, between 5 and 16 are outside the educational system.

11.000 children are in need for an adoptive family

...Many issues challenging and even defying their status of citizens

The greatest existing threat to their citizenship is the current lack of education, as it is a major hindrance and offence to the equality principle that citizenship stands for.

The configuration of educational built environments plays a key normalising role in the construction of citizenship.

1

**LITERATURE
SURVEY:**

definitions of
citizenship

2

TRANSLATION:

from literate
notions to
spatial notions

3

CASE STUDIES:

Analysis of
successful realms
of citizenship

1

LITERATURE SURVEY:

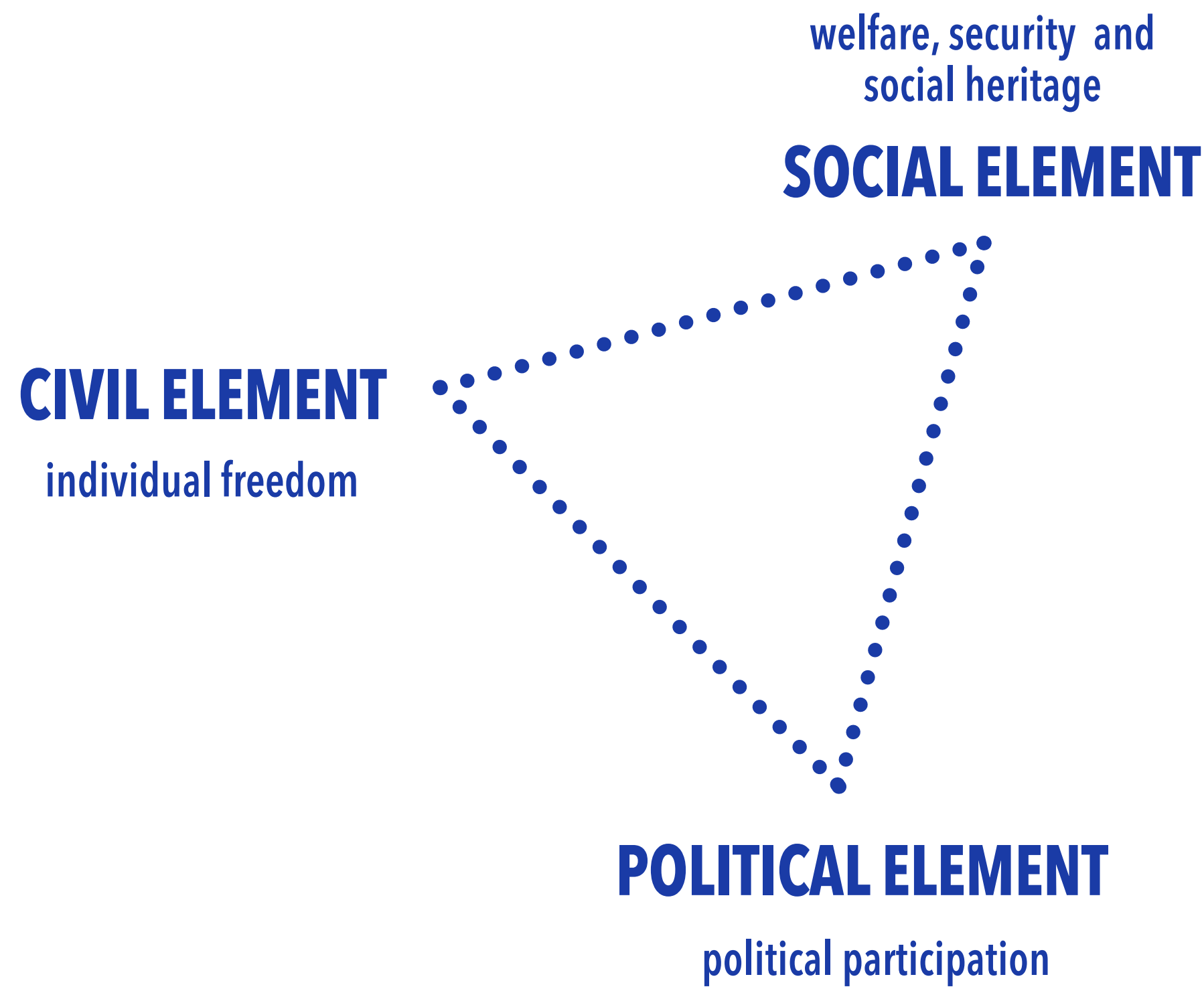
definitions of
citizenship

«[...] **confers an identity** on individuals. [...]»

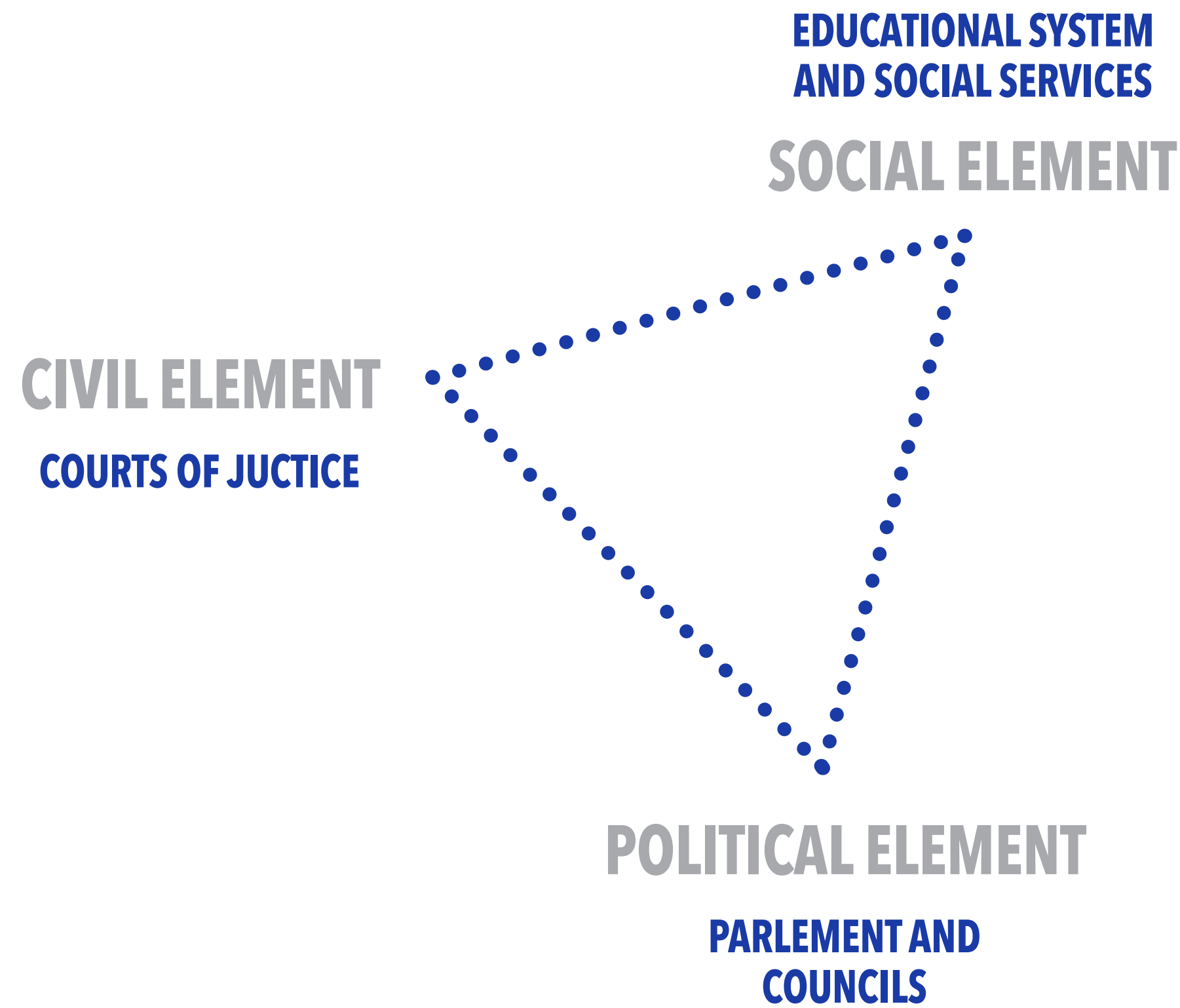
Ensile, 2000

" Citizenship is not just a matter of formal legal status; it is a **matter of belonging, which **requires recognition** by other members of the community. Community members **participate in drawing the boundaries** of citizenship and defining who is entitled to civil, political, and social rights **by granting or withholding recognition.** "**

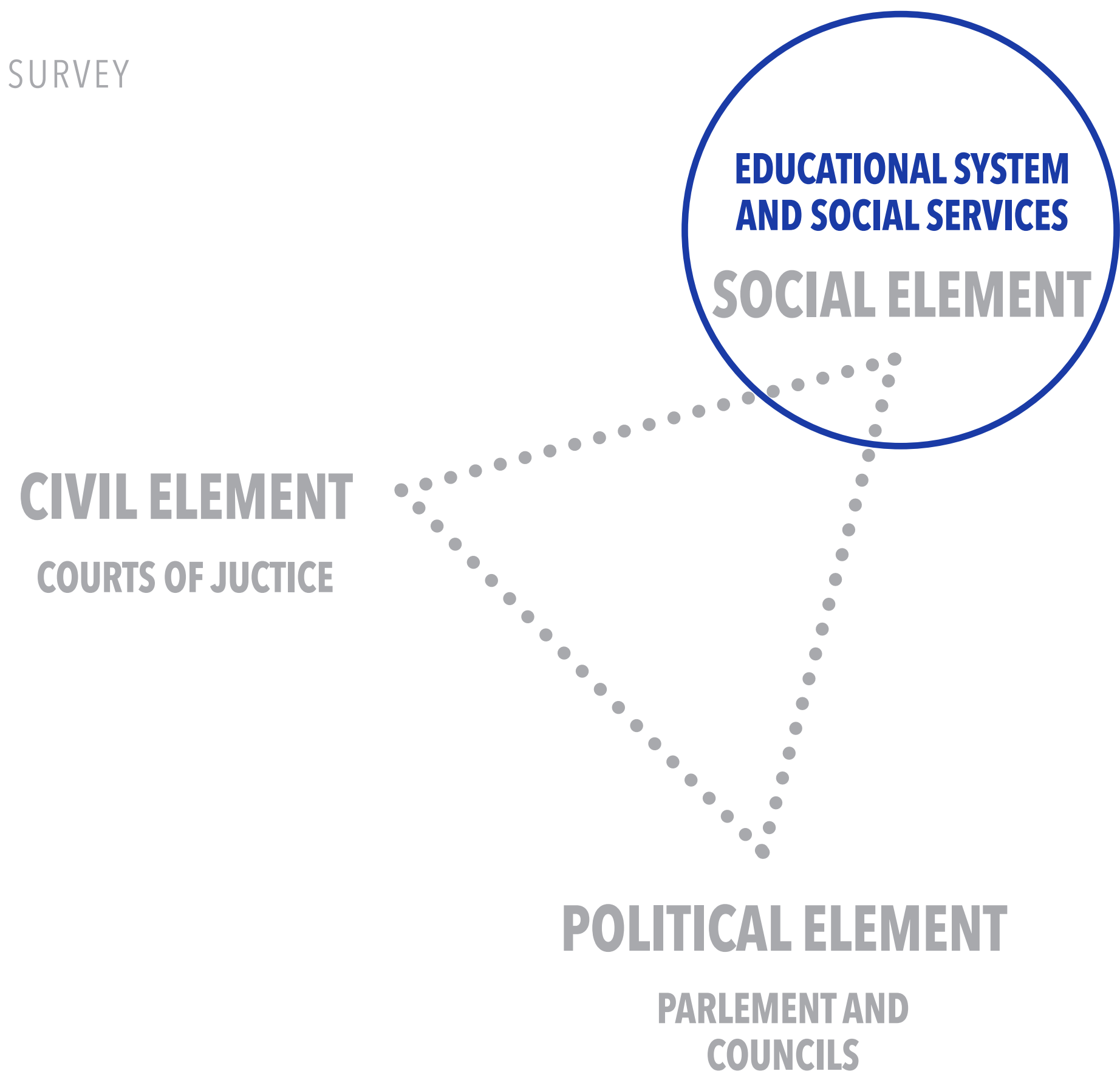
Sociologist Evelyn Nakano Glenn



Sociologist T. H. Marshall



Sociologist T. H. Marshall



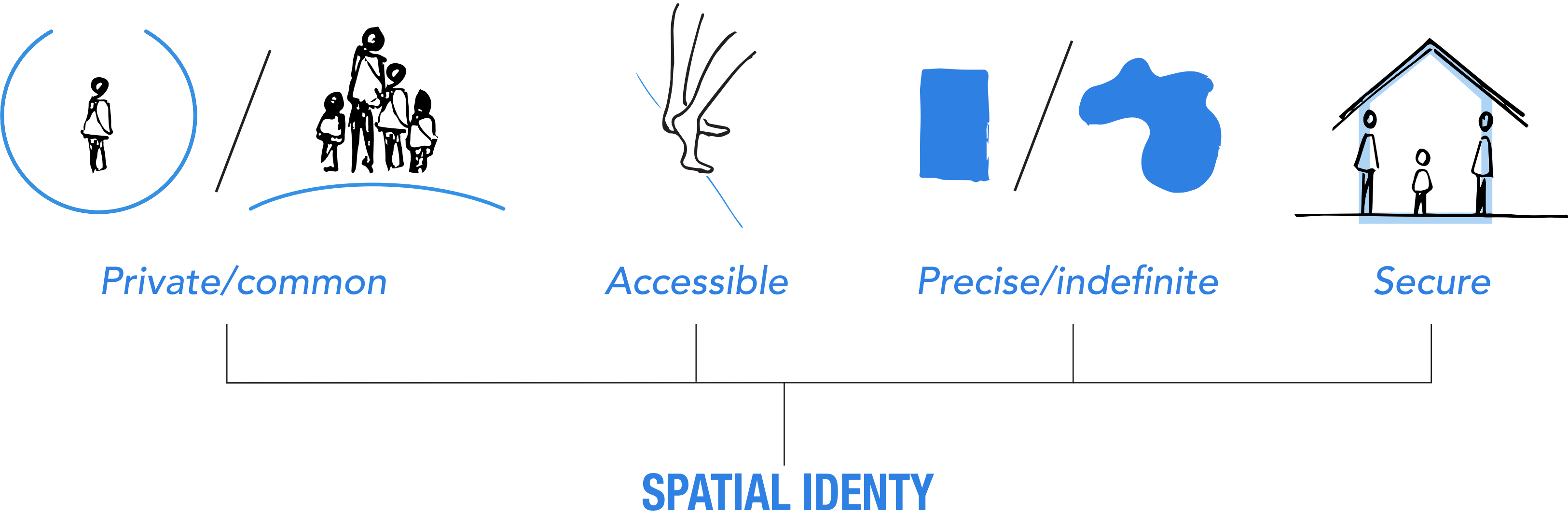
Sociologist T. H. Marshall

2

TRANSLATION:

from literate
notions to spatial
notions

TANGIBLE ASPECTS
OF CITIZENSHIP



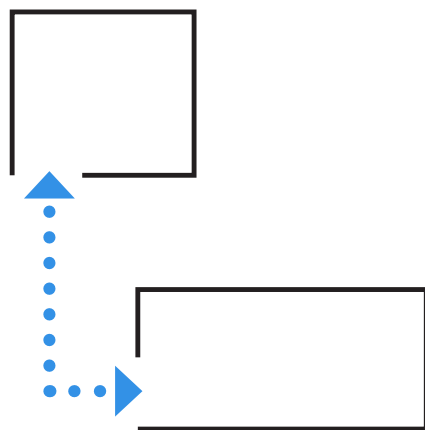
TRANSLATION



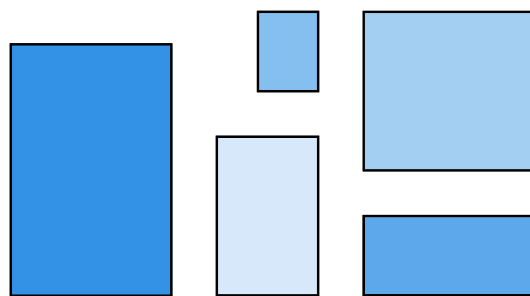
Delimitations



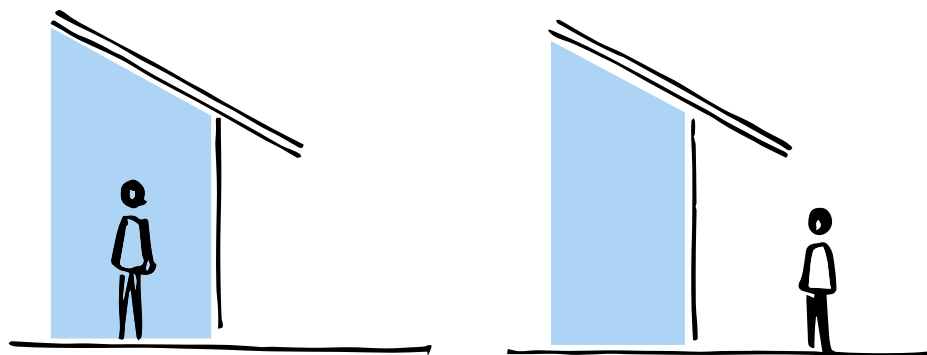
Adaptability



Transitions



Space dimensions



Interior / exterior

**TANGIBLE ASPECTS
OF CITIZENSHIP**

SPATIAL ASPECTS



Vernacular

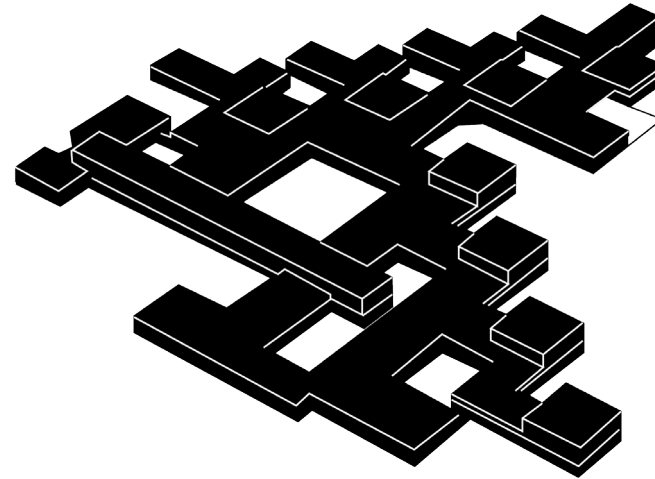
3

CASE STUDIES:

**Analysis of
successful realms
of citizenship**

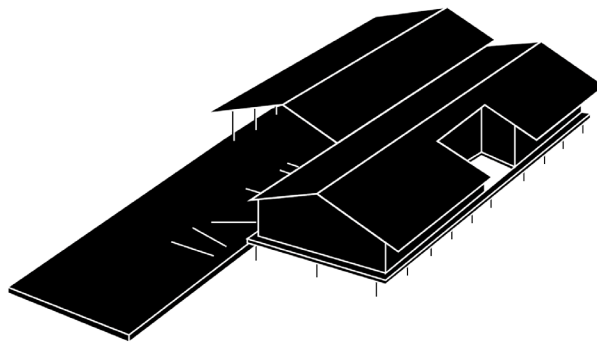
CASE STUDIES

2_A



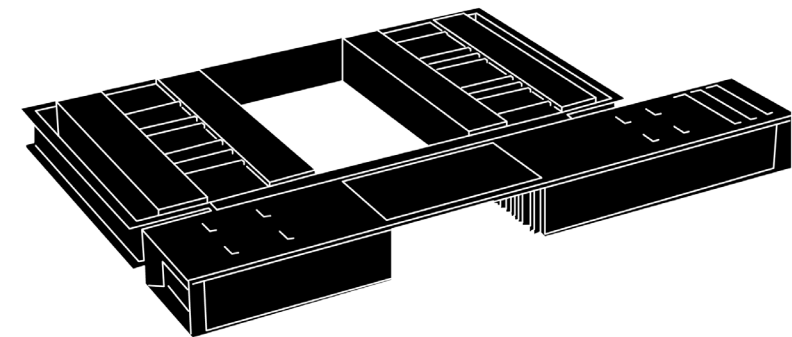
Burgerweeshuis, 1960, Aldo van Eyck Amsterdam, the Netherlands

2_B



Parque Educativo Saberes Ancestrales 2013, Mauricio Valencia, Diana Herrera Lucas Serna, Farhid Maya, Vigia del Fuerte Colombia

2_C

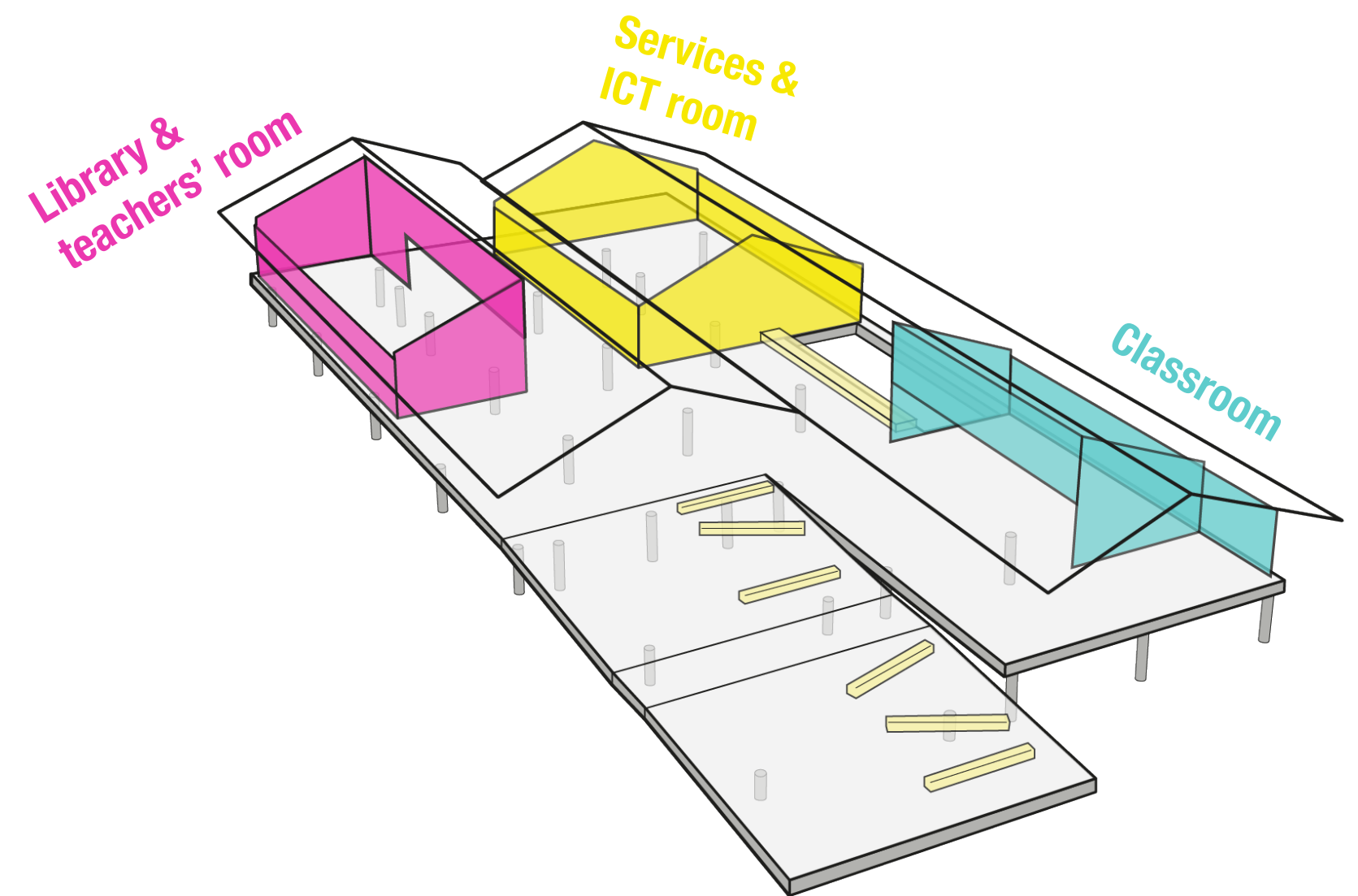


Ambientes de aprendizaje para el siglo XXI, 2014, Colectivo 720, Bogota Colombia

CONCLUSIONS

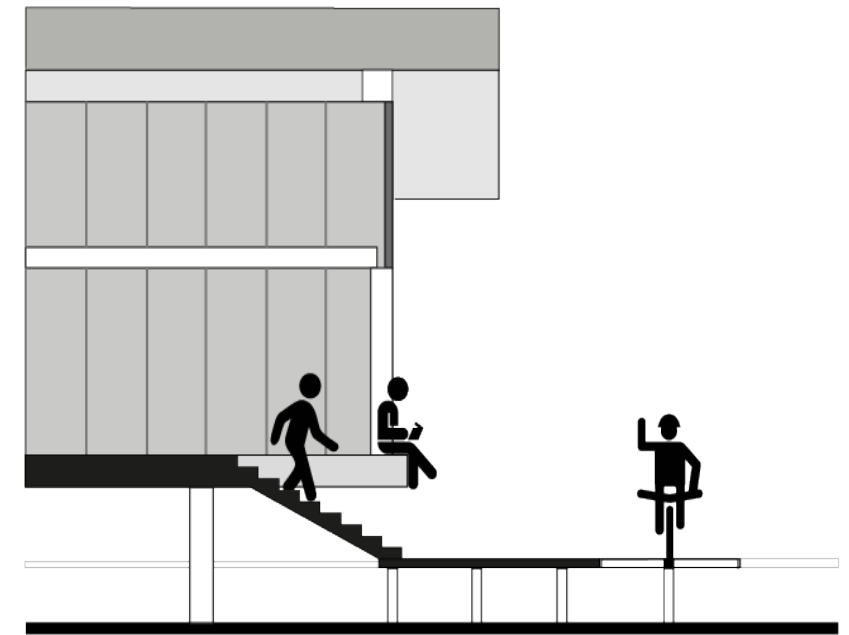
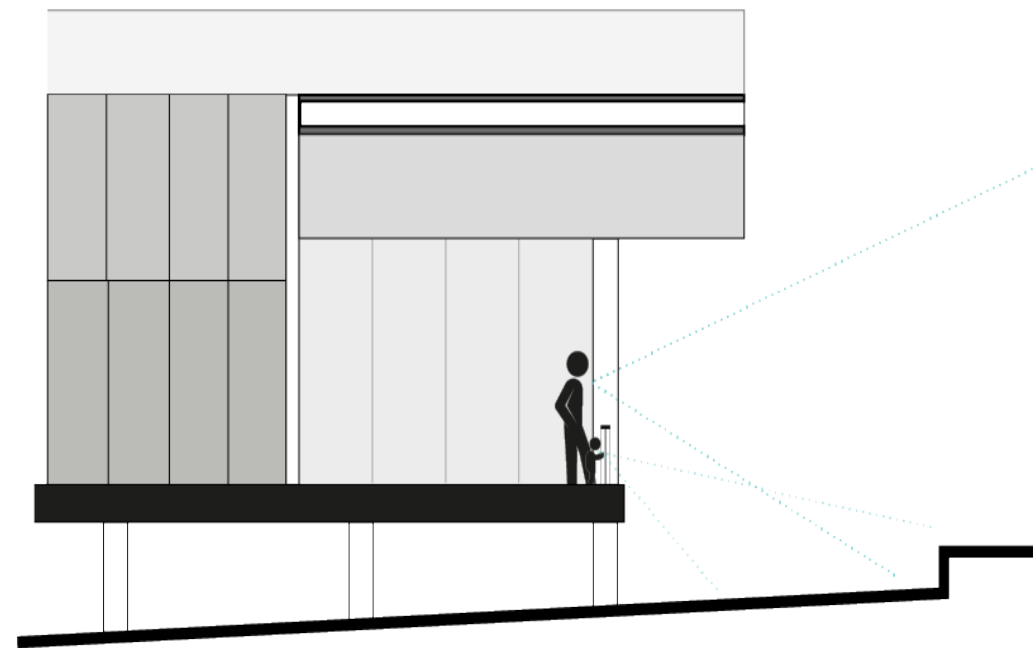
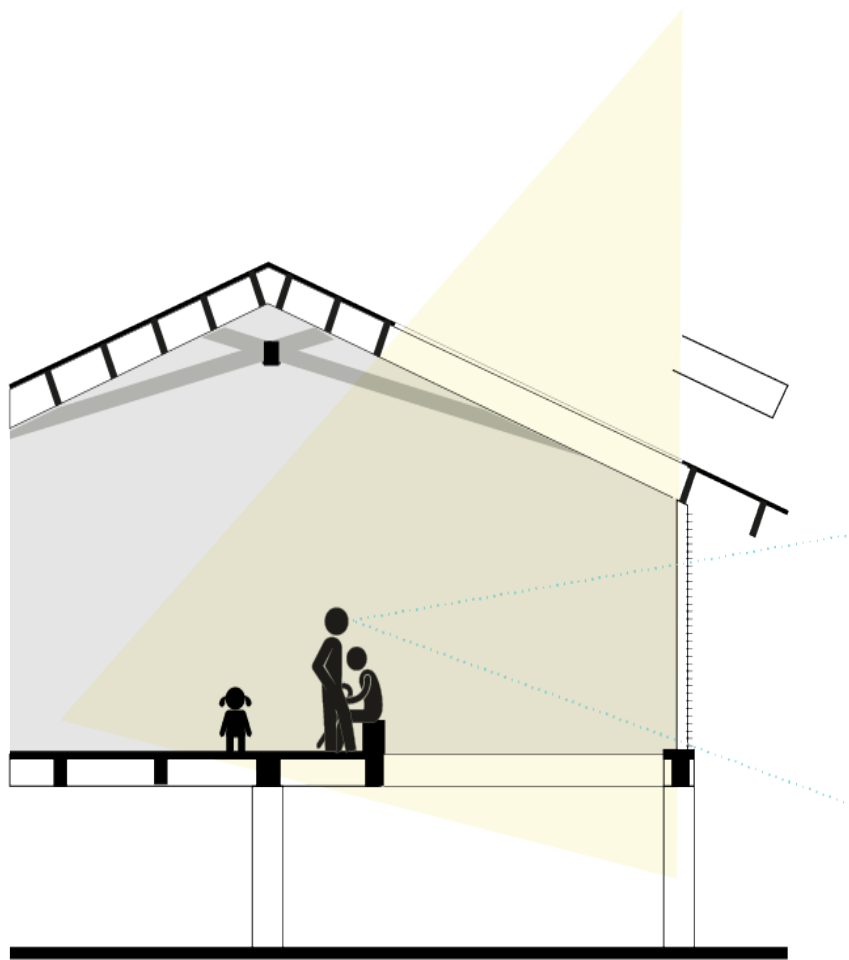
CONCLUSIONS

**Readable volumes enclosing an informal space...
such as patios and circulation areas**



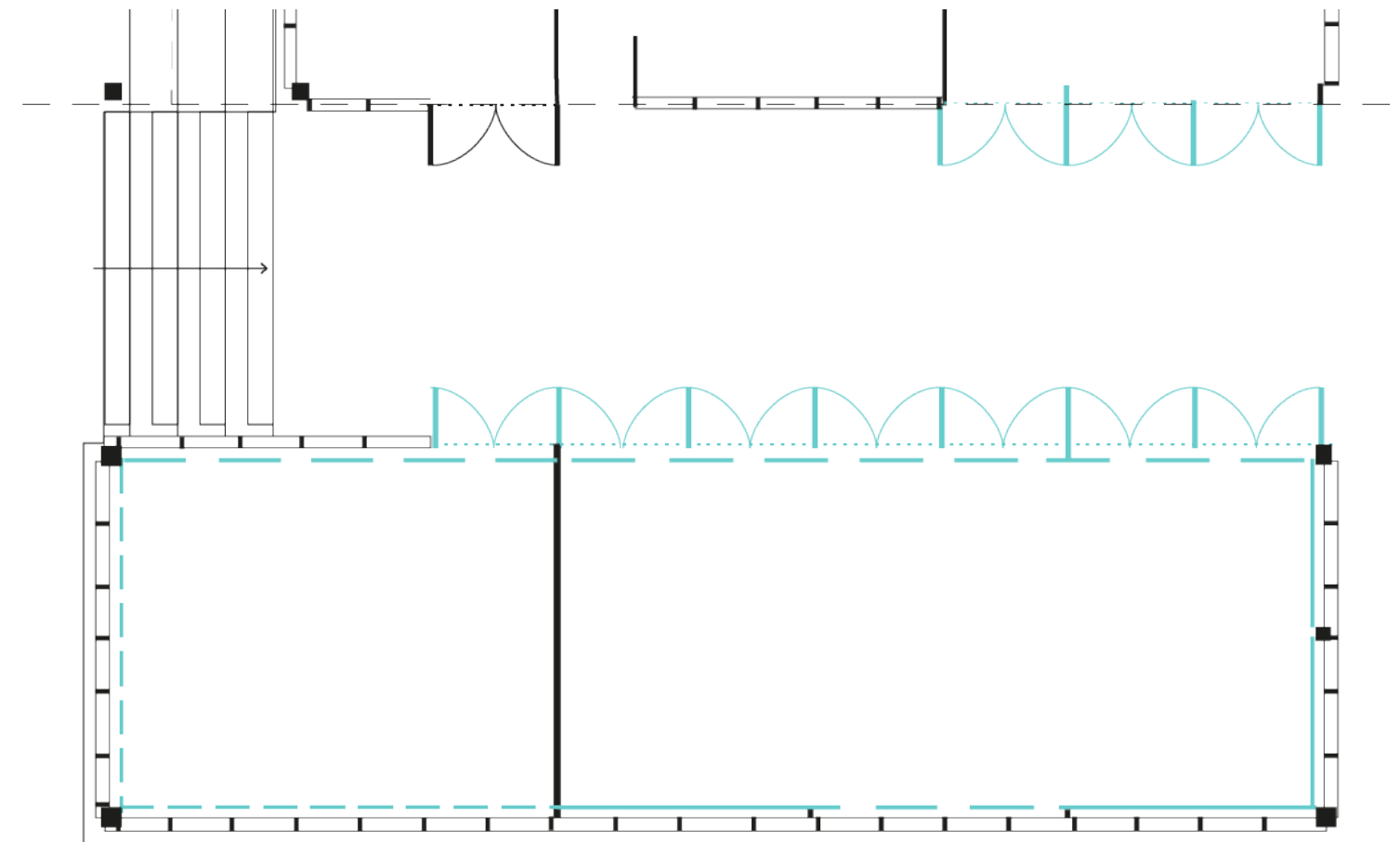
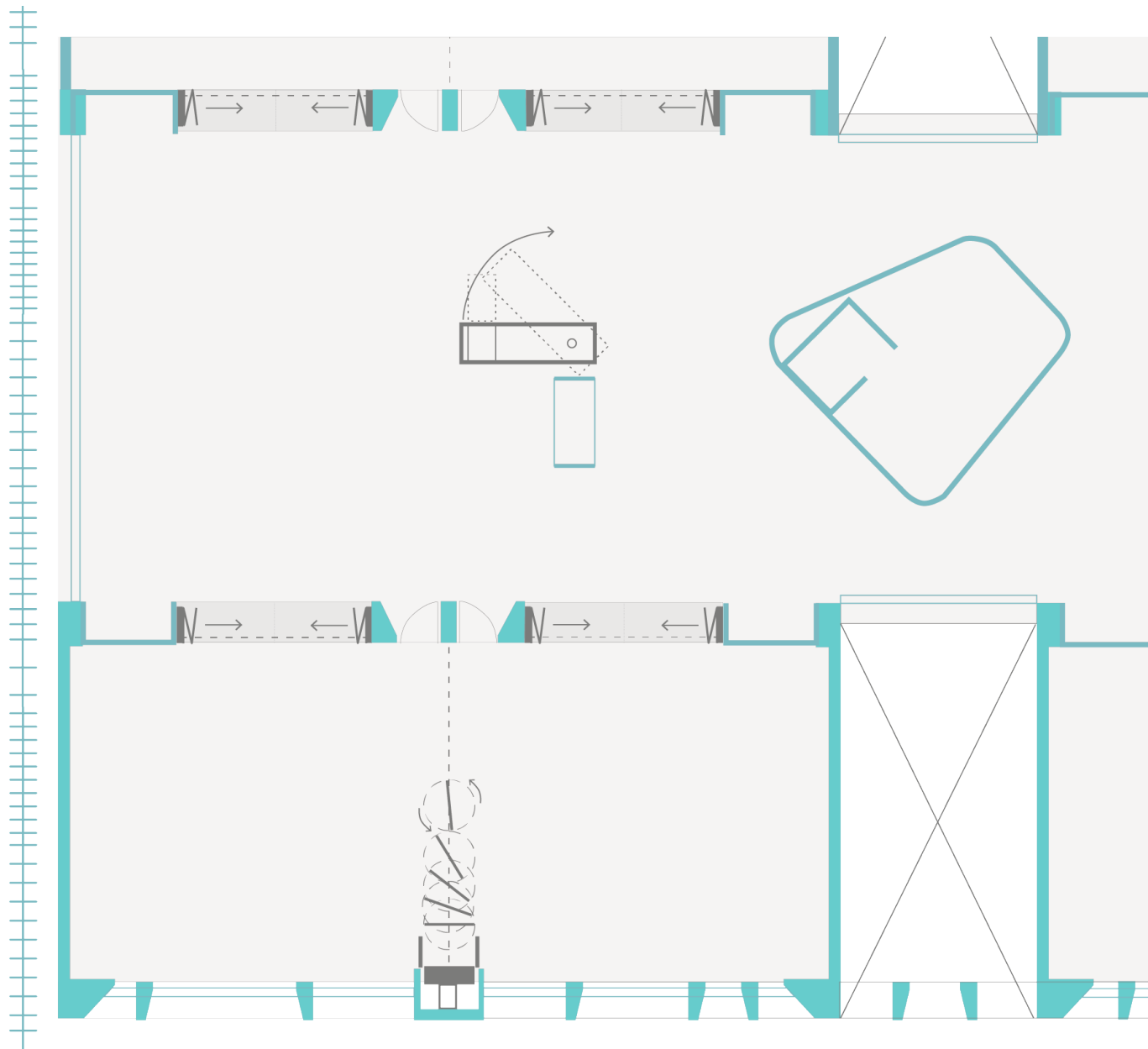
CONCLUSIONS

Delimitation playing with outside/inside connections



CONCLUSIONS

Adaptable delimitation engaging with the educative functions



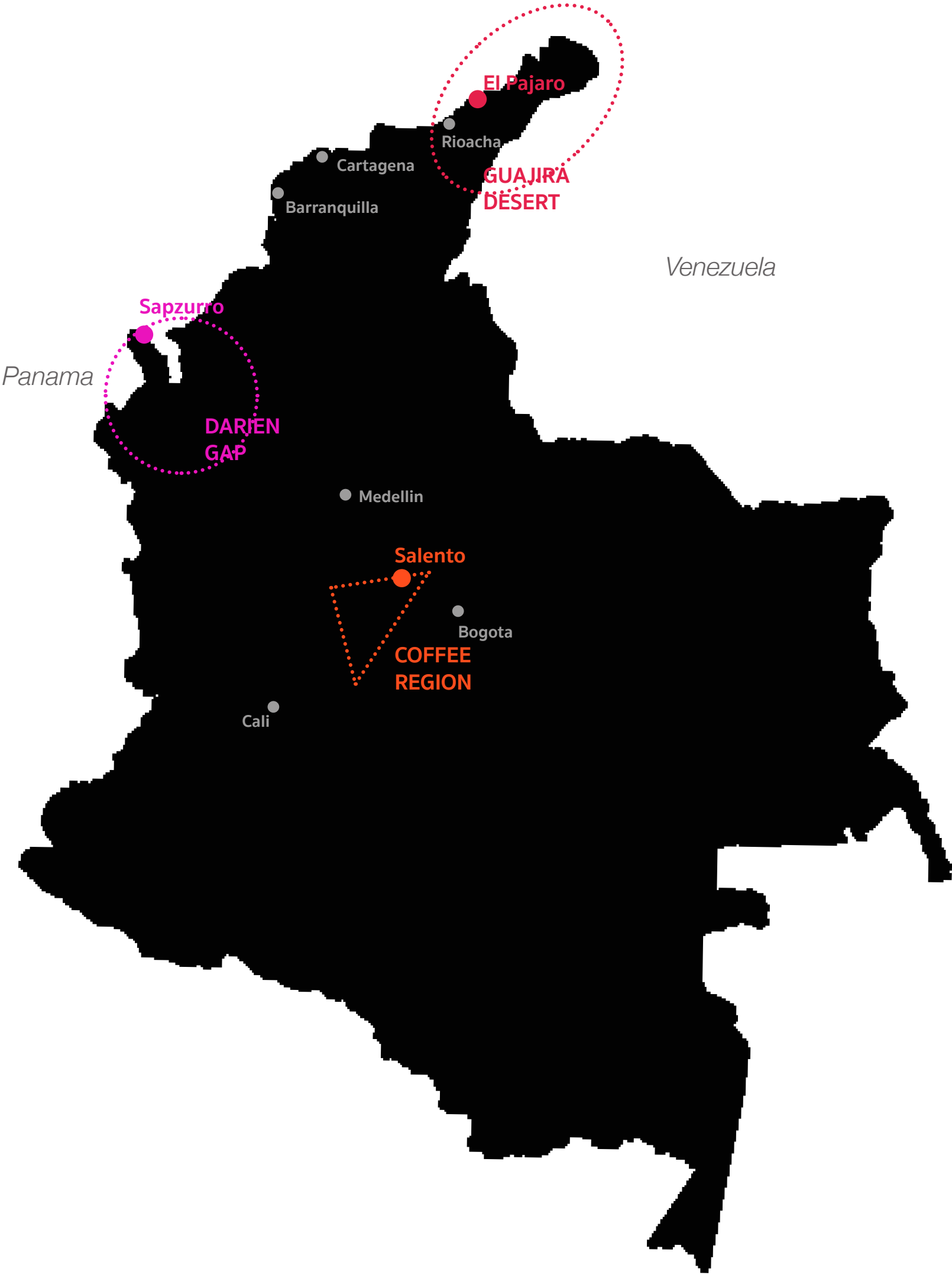
QUALITIES OF BOUNDARIES

- *Opened / closed*
- *Vertical / Horizontal*
- *Transparancy / opacity*
- *Transformable or movable*
- *Representative of culture or local strengths*
- *Imposing / endorsing*

PROJECT'S LOCATIONS

LOCATIONS

PROJECTS' LOCATIONS IN COLOMBIA



VALLE DEL COCORA QUINDIO, COFFEE REGION



COLOMBIA



COFFEE REGION



LOCATIONS

ARMENIA --> SALENTO







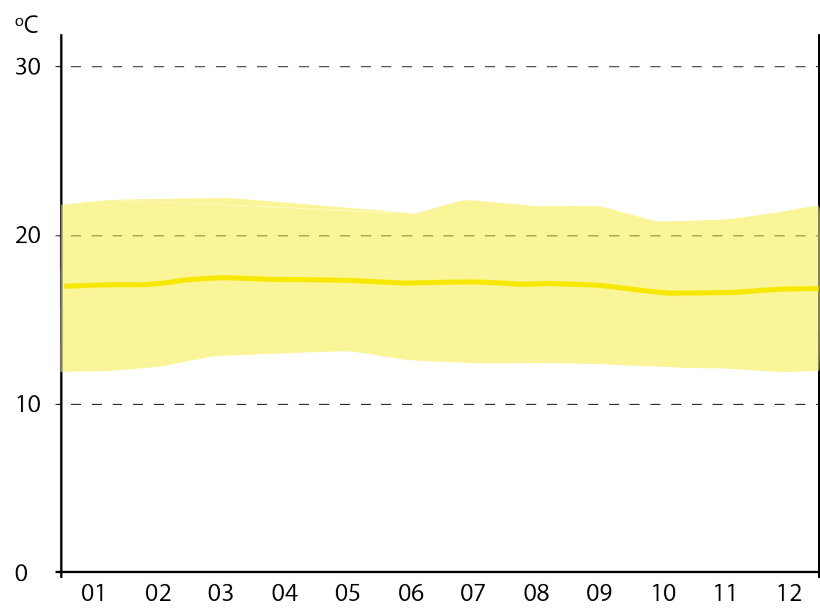
PROPIEDAD
PRIVADA
Finca
LA BARRANCA



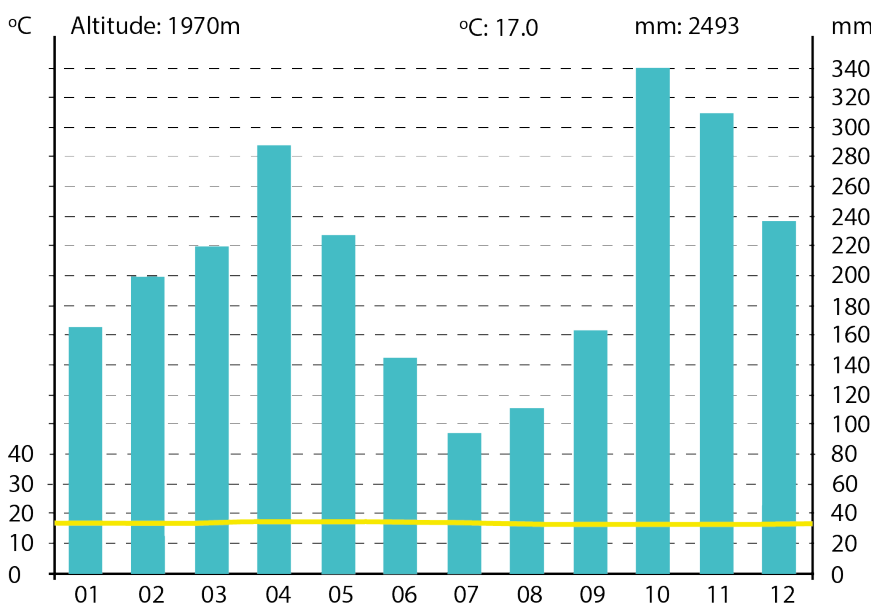


TEMPERATE & HUMID CLIMATE

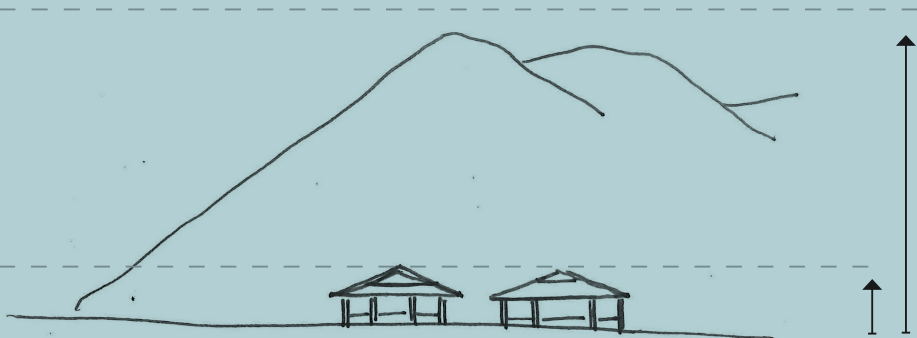
Average temperatures per month



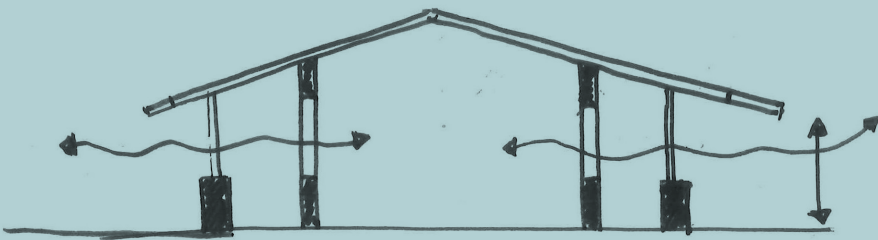
Average rain per month



OBESERVATIONS



Low constructions / High mountains



Ciruclation corridor: Double facade: Ventilation



Individuals and yet a community

SAPZURRO, CHOCO DARIEN GAP JUNGLE



COLOMBIA



CHOCO









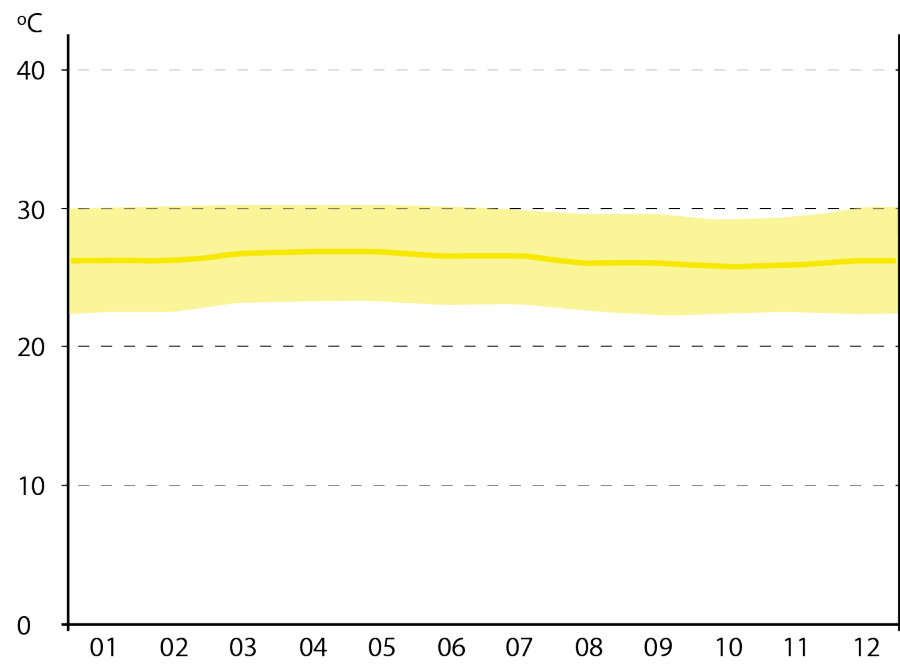




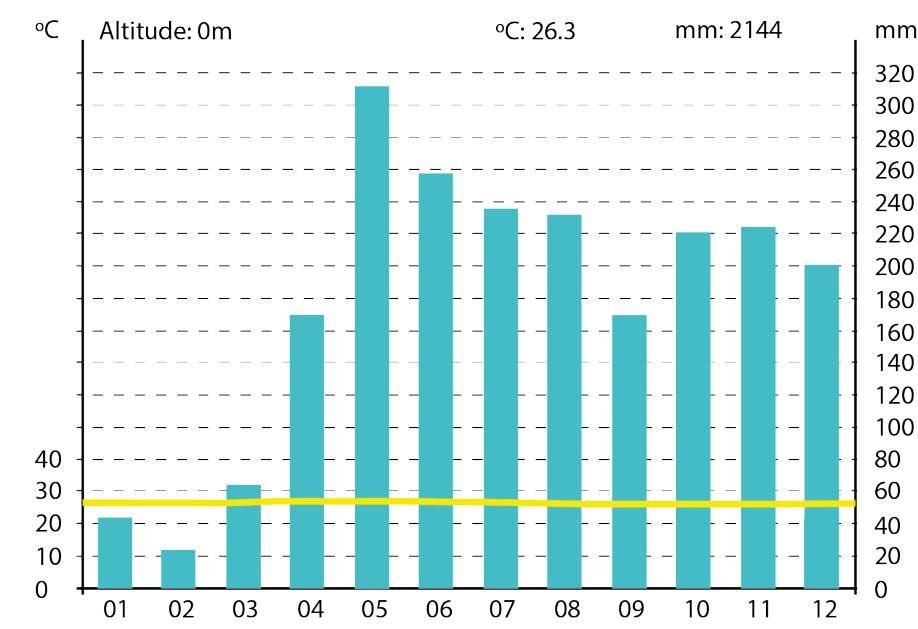


TROPICAL CLIMATE

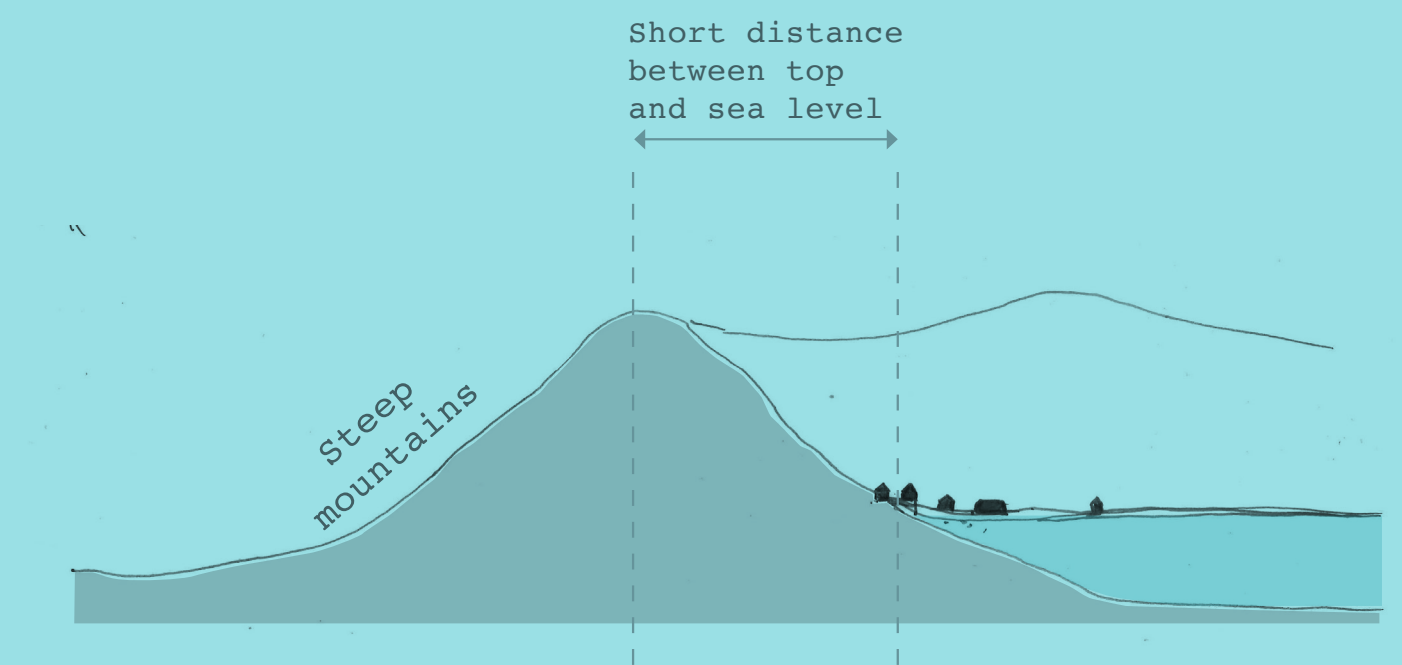
Average temperatures per month



Average rain per month



OBESERVATIONS



Constructions are mainly placed on the beach or soft slopes



EL PAJARO, GUAJIRA GUAJIRA DESERT

:



COLOMBIA



GUAJIRA





EL PAJARO

SALINE

MANAURE





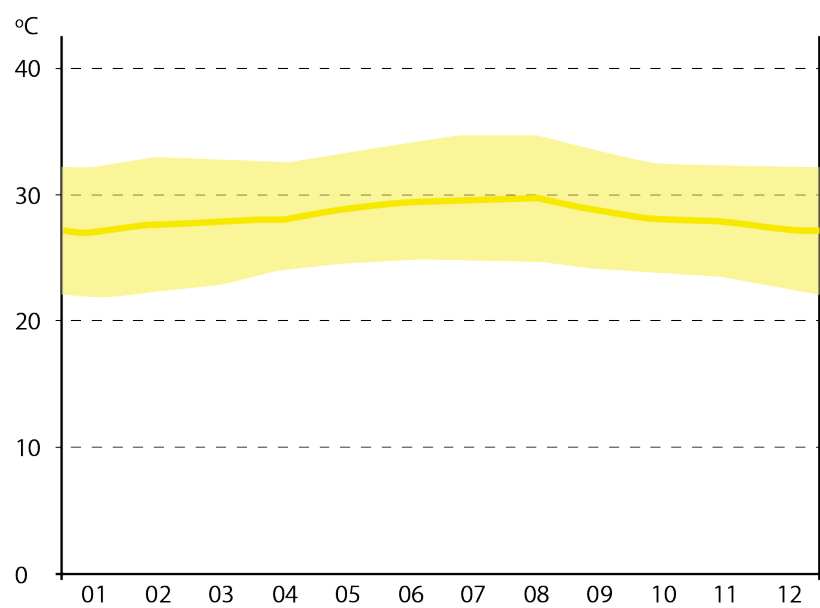




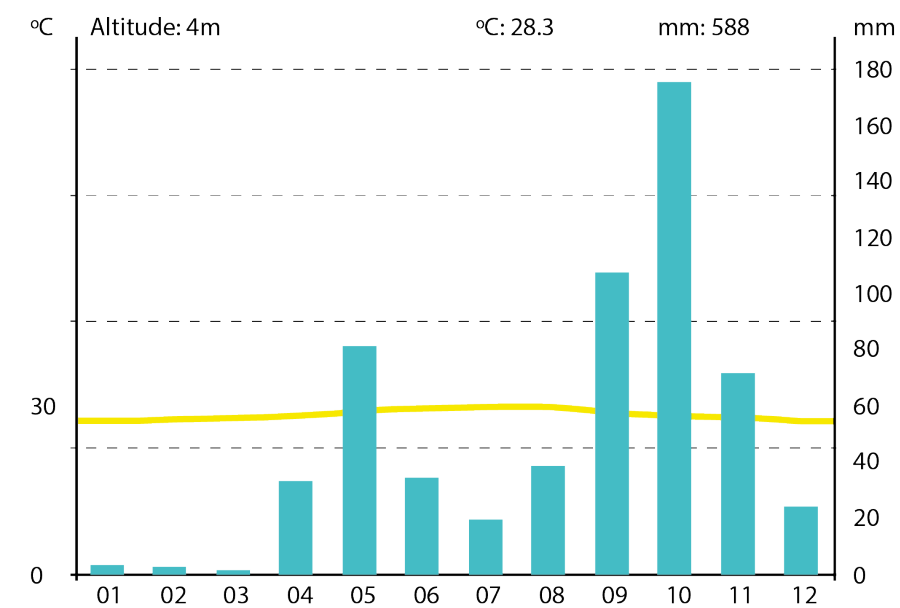


ARID CLIMATE

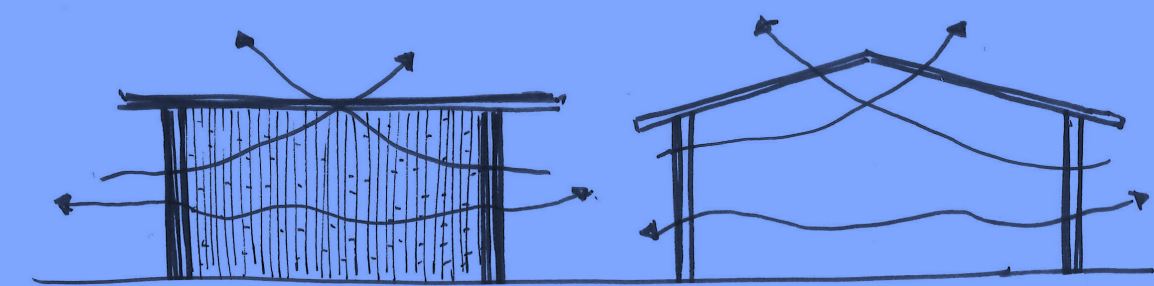
Average temperatures per month



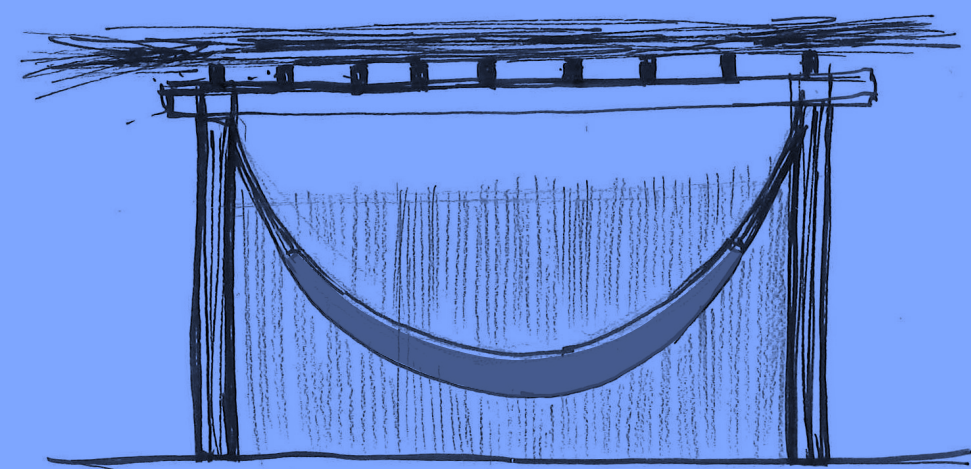
Average rain per month



OBESERVATIONS



pimary light constructions with open facades for the breeze to cool down the air temperature

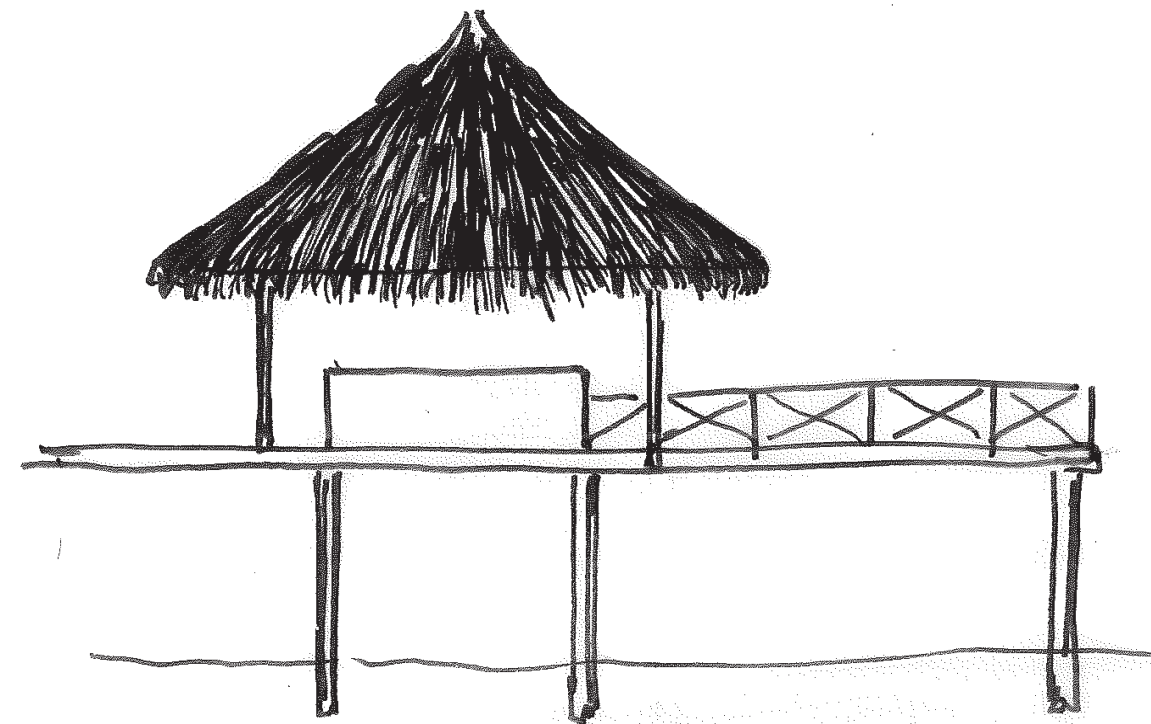
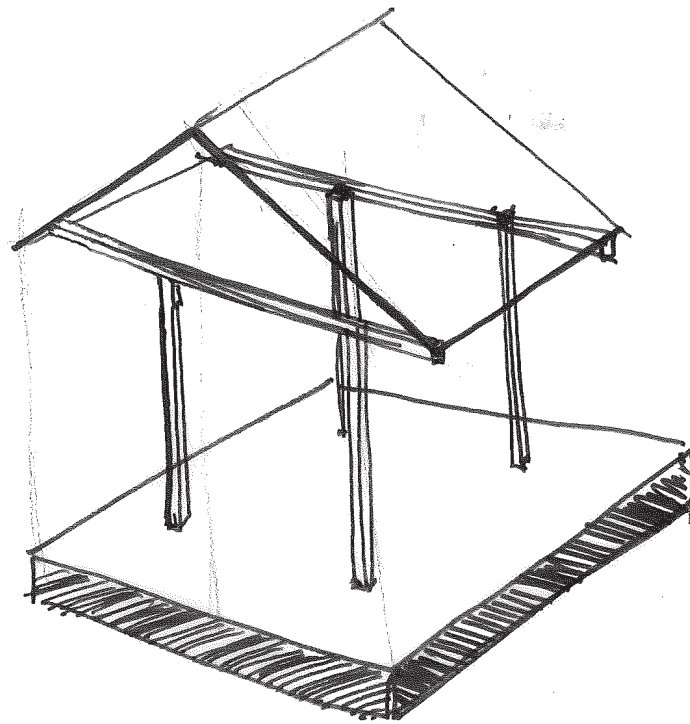


Hammock serving as a bed and sitting space under a roof

SIMILIRATIES IN THE 3 REGIONS

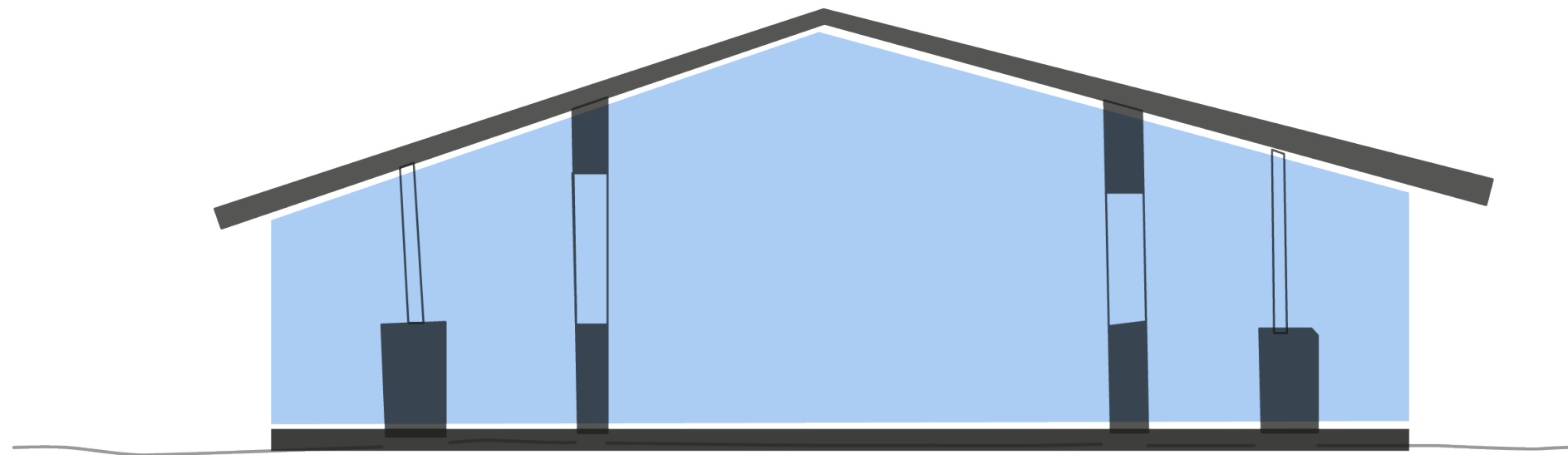
SIMILIRATIES

Light construction on slab or elevated floor



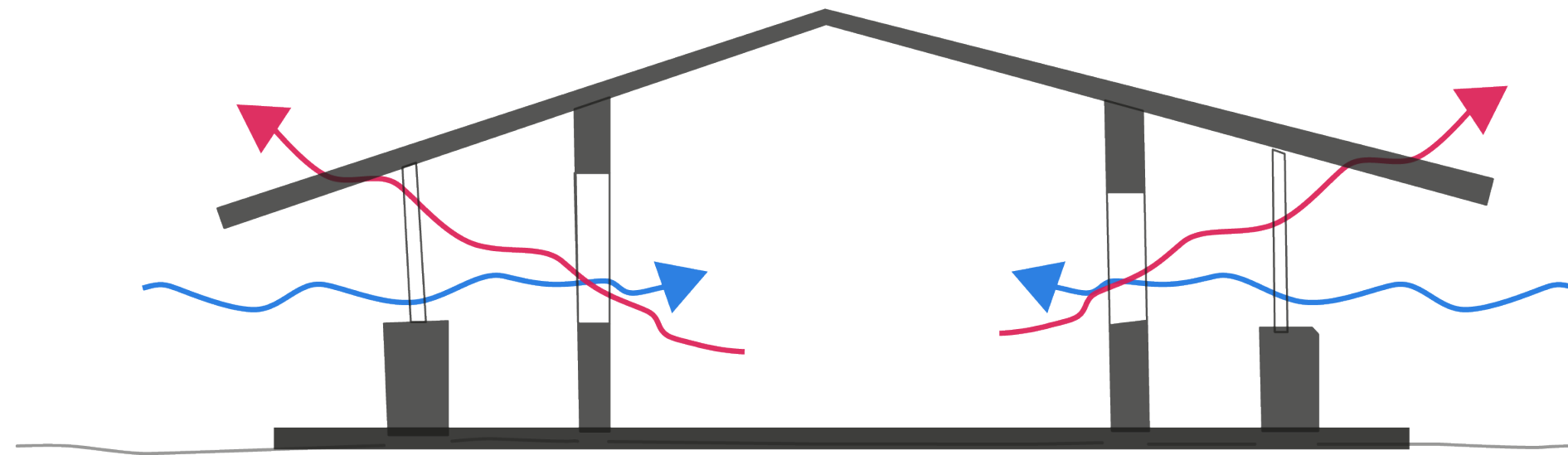
SIMILIRATIES

Single floor level



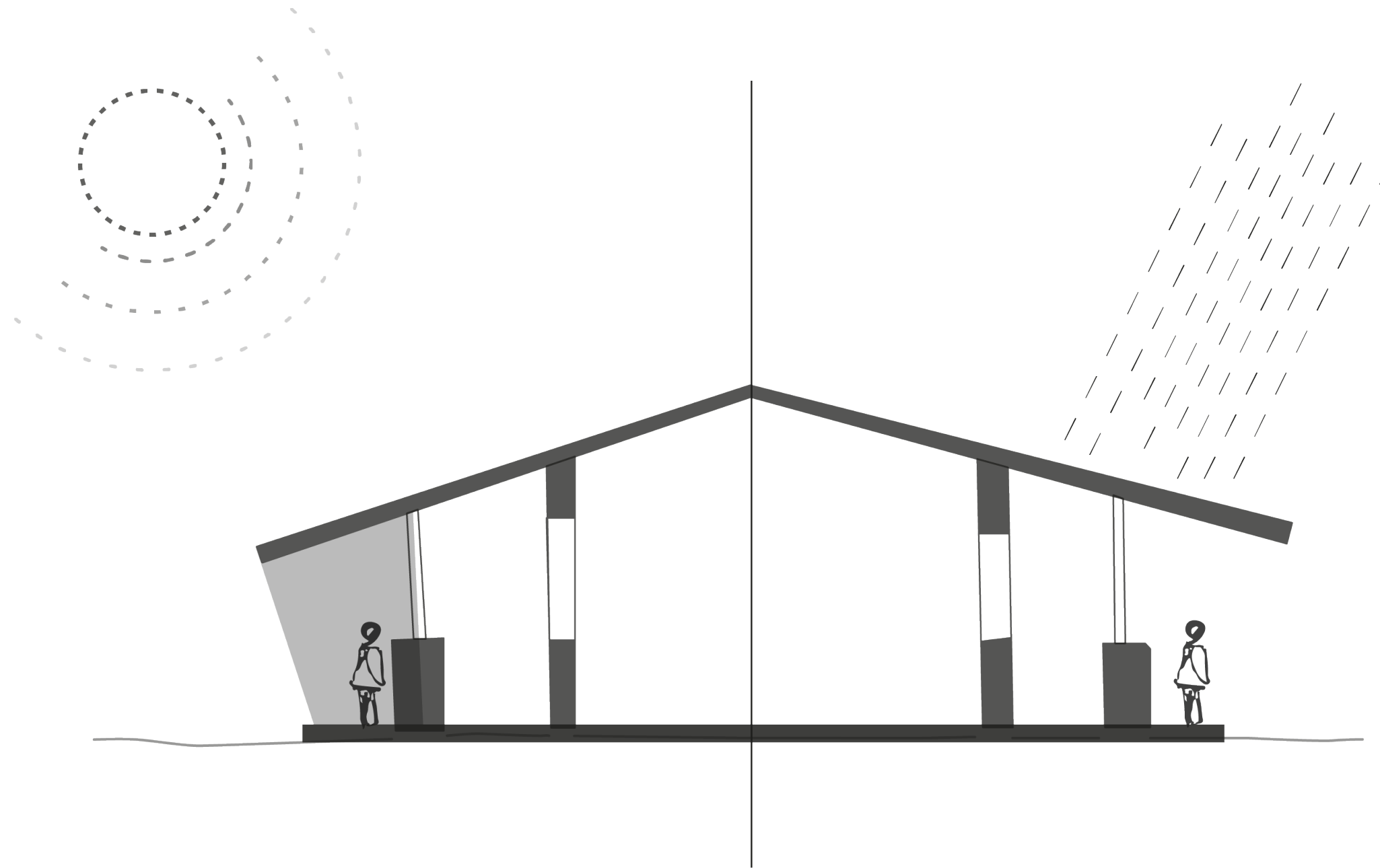
SIMILIRATIES

Openings on corridor to facilitate natural ventilation

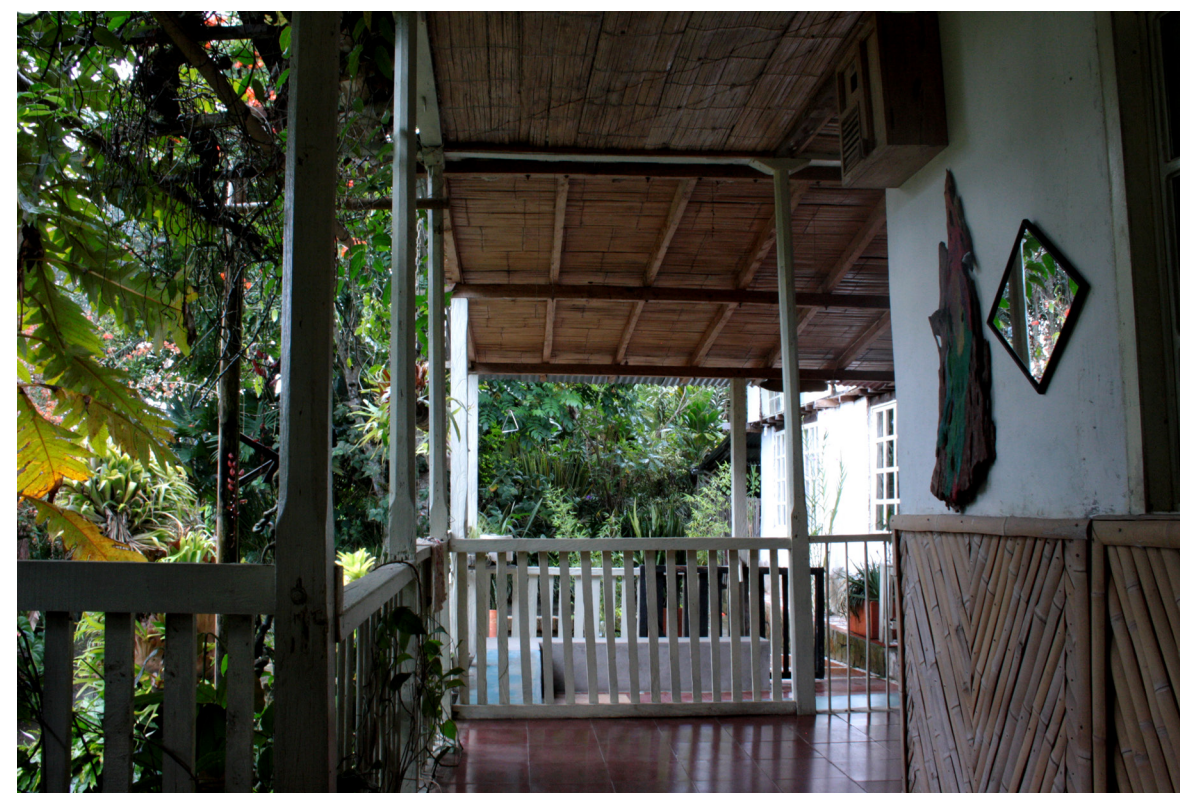


SIMILIRATIES

Roof protecting from the sun and the rain







**Local constructions aspects are
considered as strengths and serve as
design starting points**

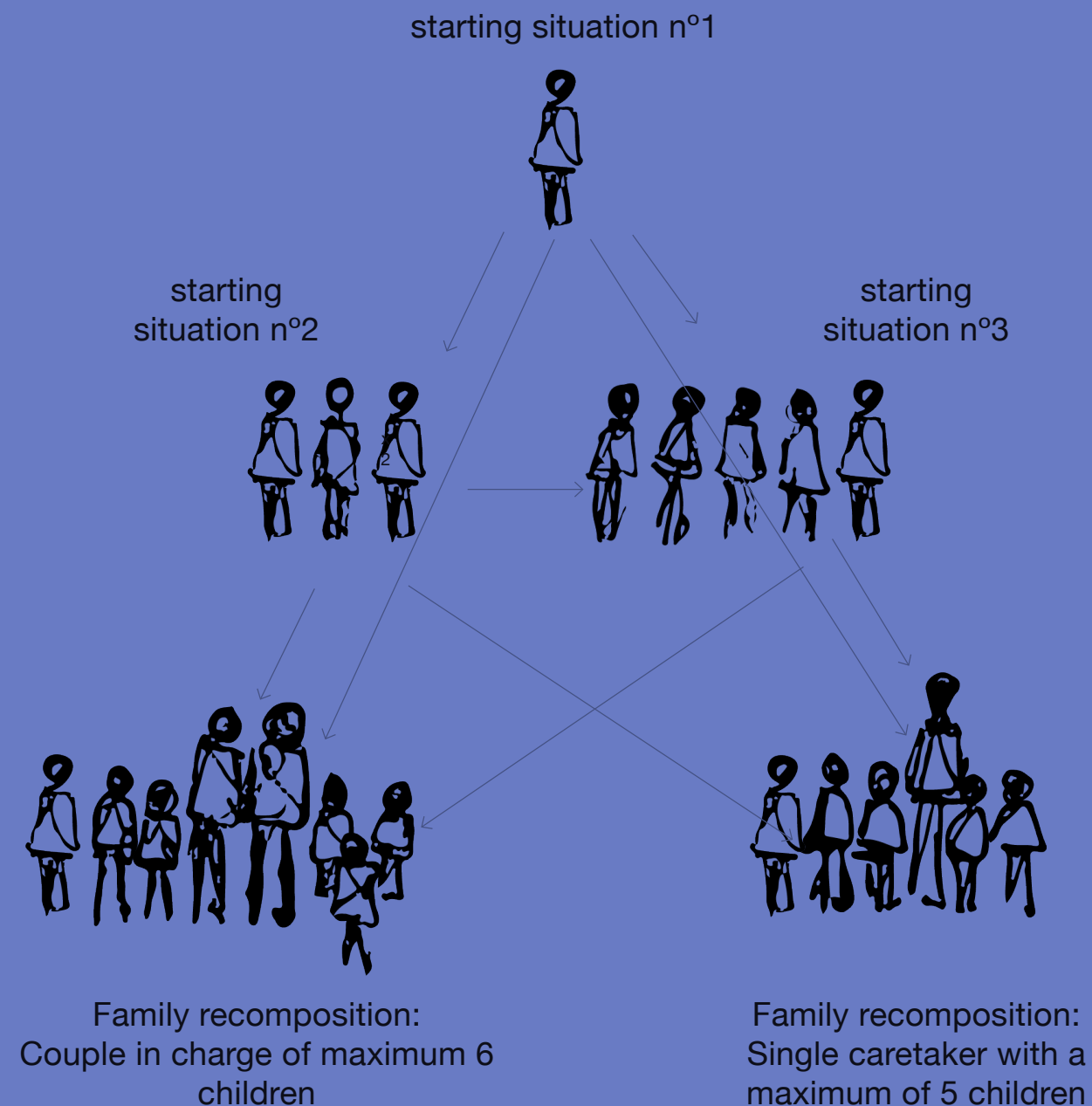
DESIGN PROPOSAL

HOUSING + EDUCATIVE PROGRAM



HOUSING PROGRAM IS BASED ON SYSTEM OF S.O.S CHILDREN VILLAGE

- Reconstruction of families
- 1 caretaker and an average of 5 children

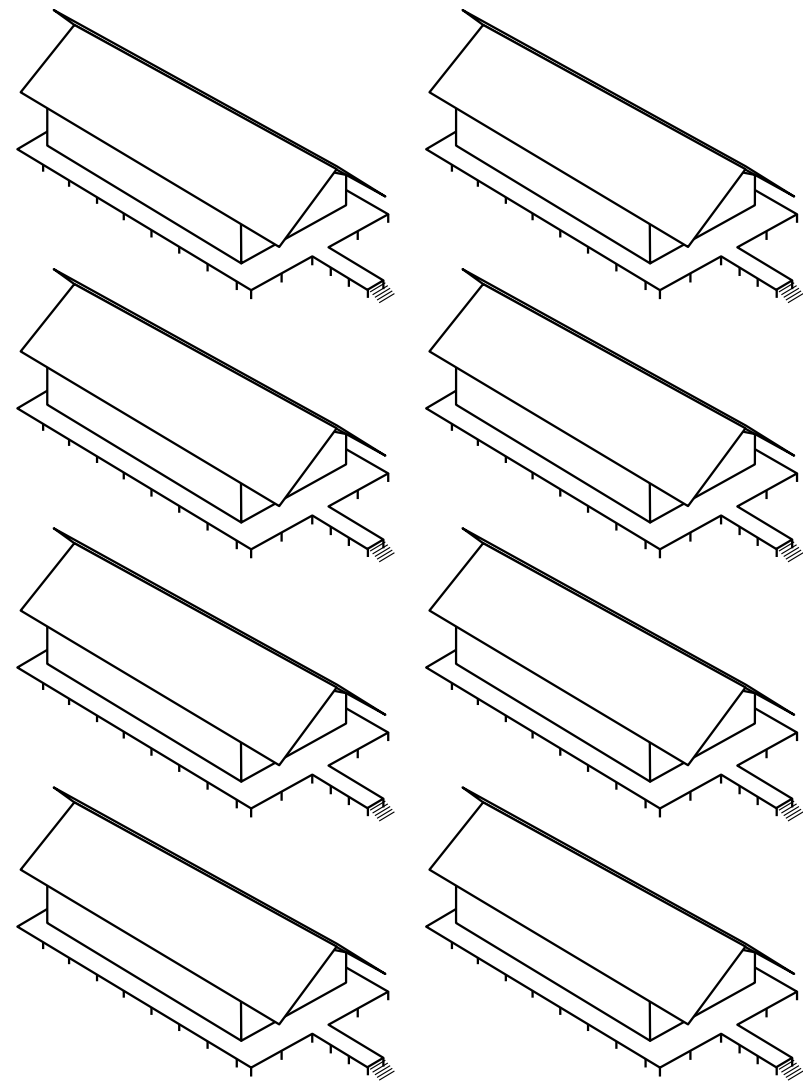


EDUCATIVE PROGRAM ACCORDING TO THE ESCUELA NUEVA METHODOLOGY

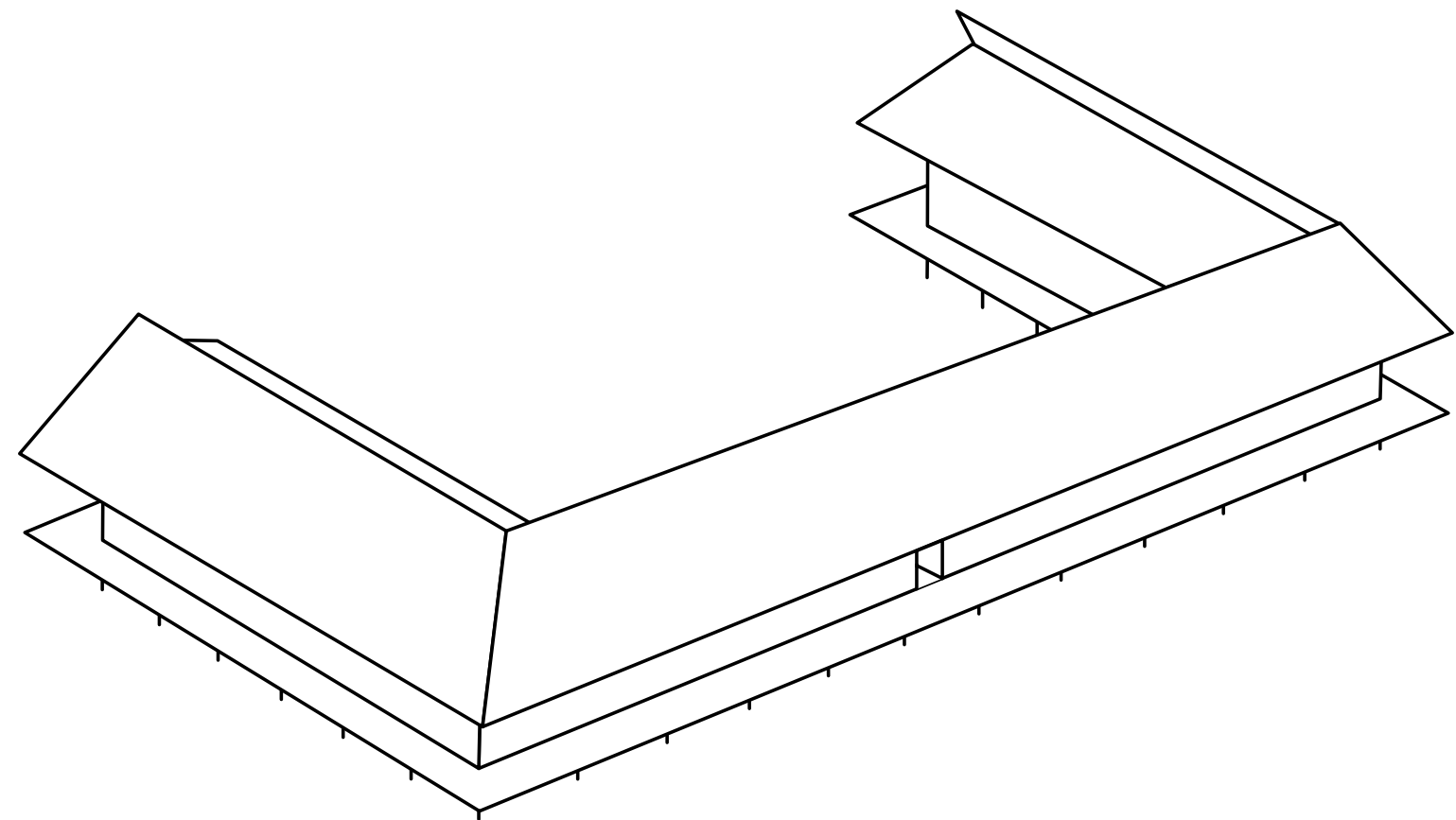
Montessori method +
local rural activities



8 FAMILY HOUSES



1 COMMON HOUSE



THE COMMON HOUSE

PROGRAM / ACTIVITIES

THE COMMON HOUSE



THE COMMON HOUSE

CLASSROOMS

0 - 4 years old



4 - 8 years old



8- 11 years old



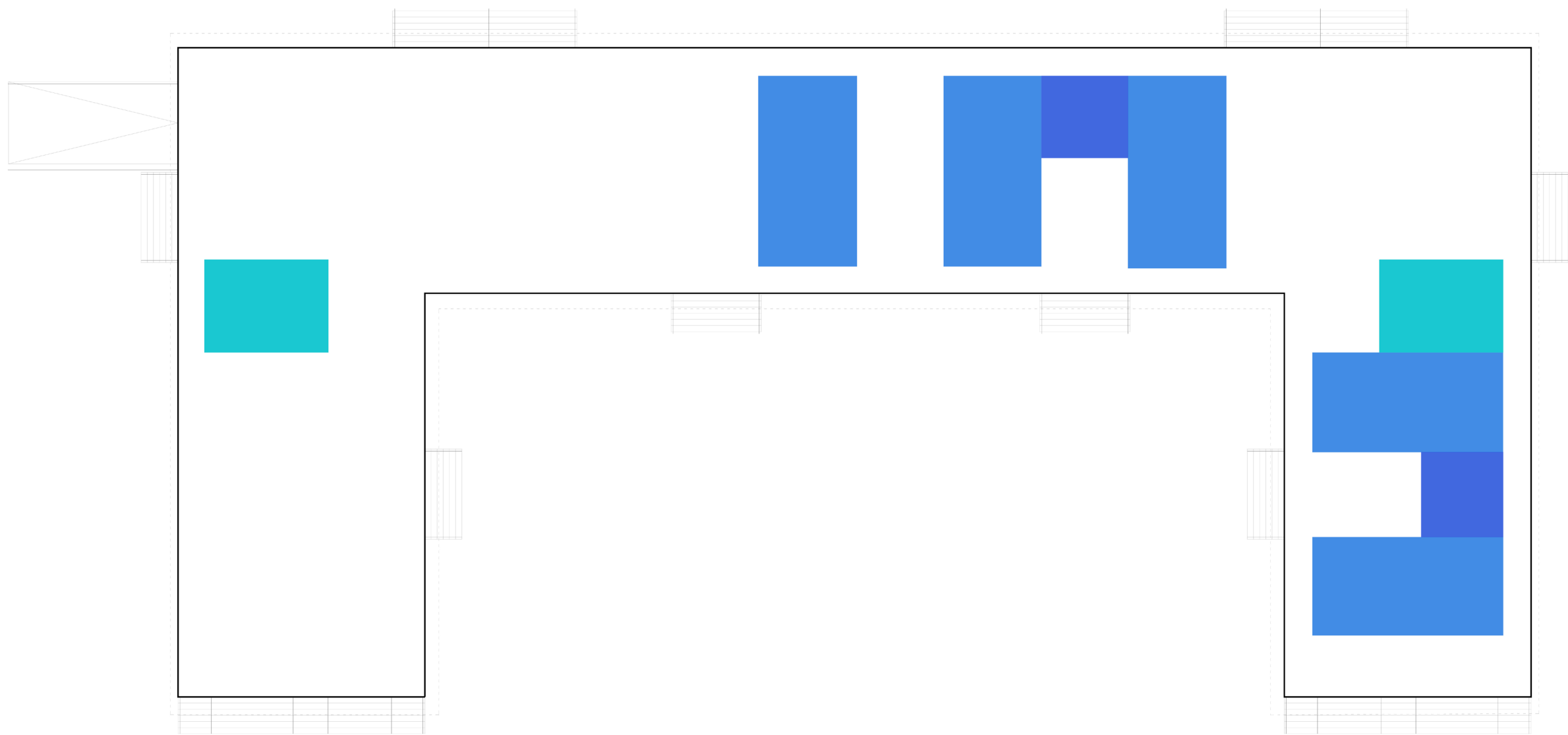
11- 15 years old



15- 20 years old

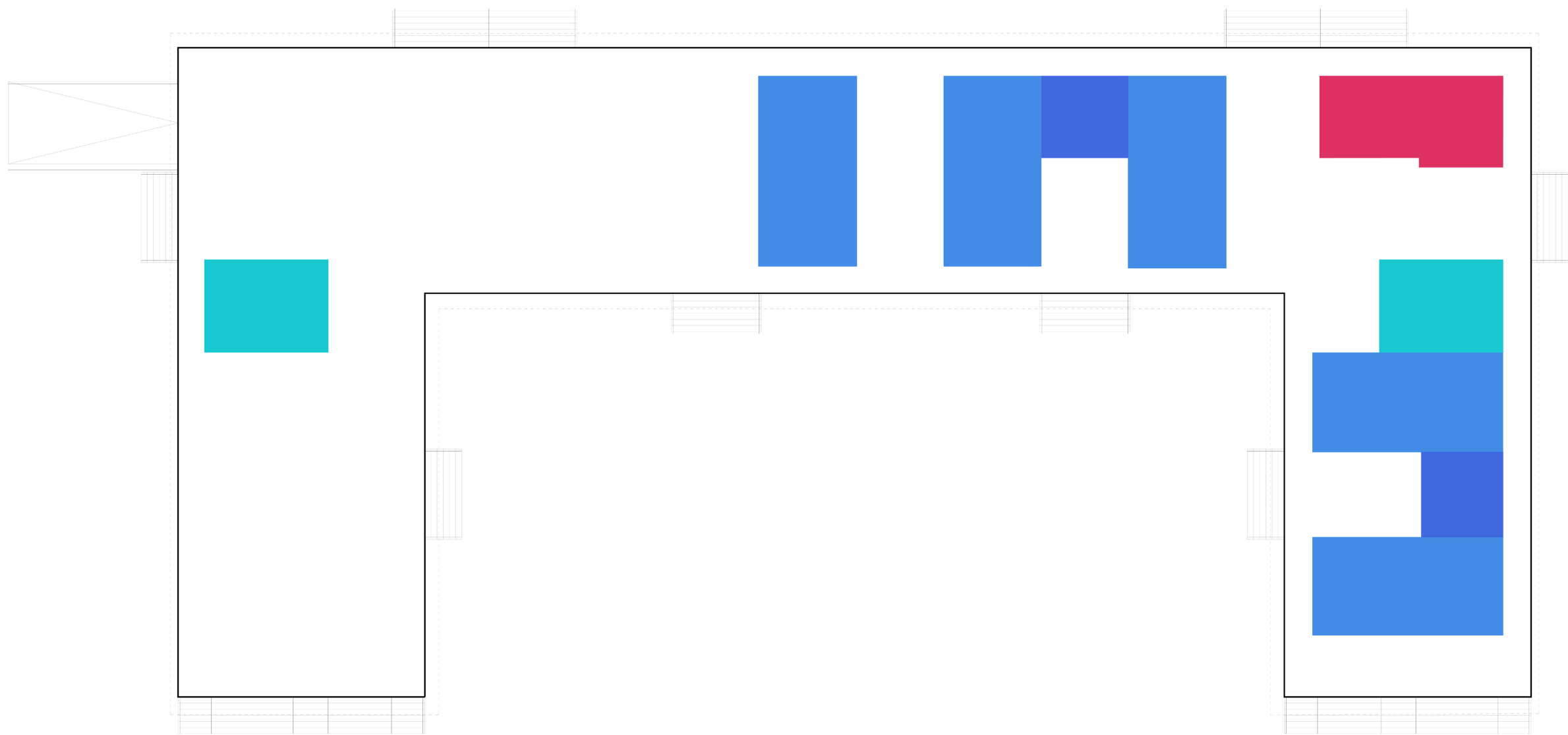
THE COMMON HOUSE

CRAFTS AND ICT ROOMS



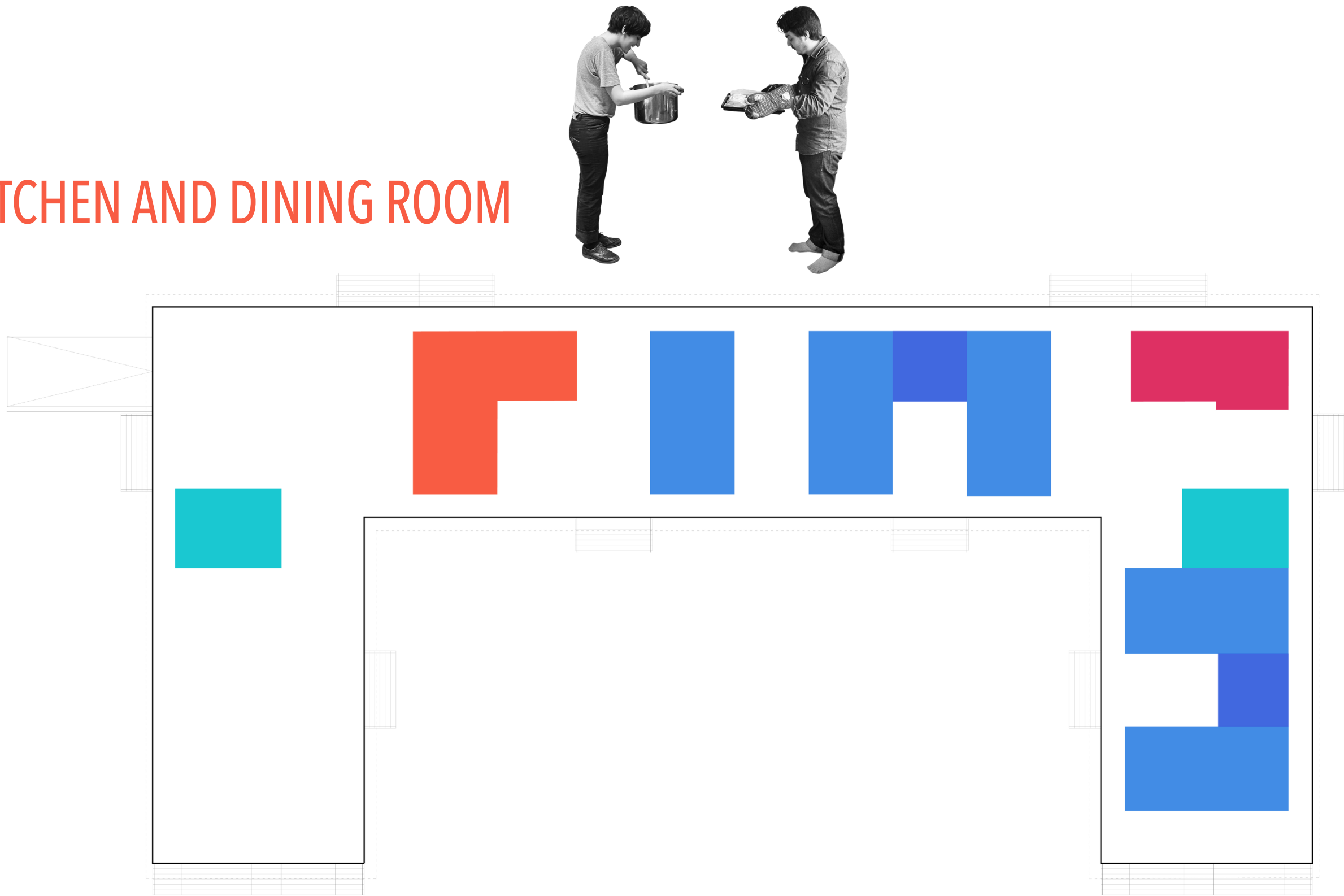
THE COMMON HOUSE

ADMINISTRATION AND ARCHIVES



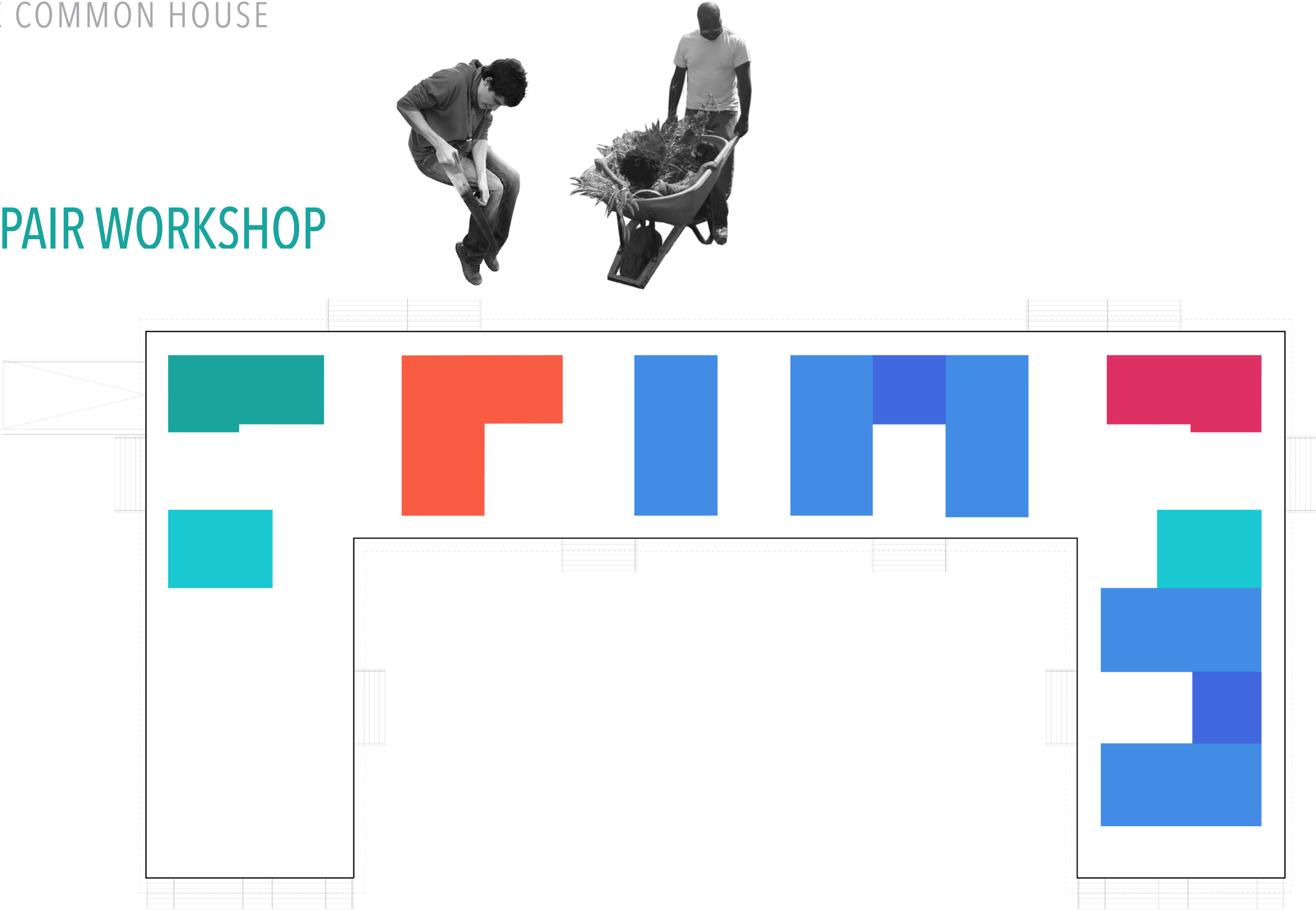
THE COMMON HOUSE

KITCHEN AND DINING ROOM



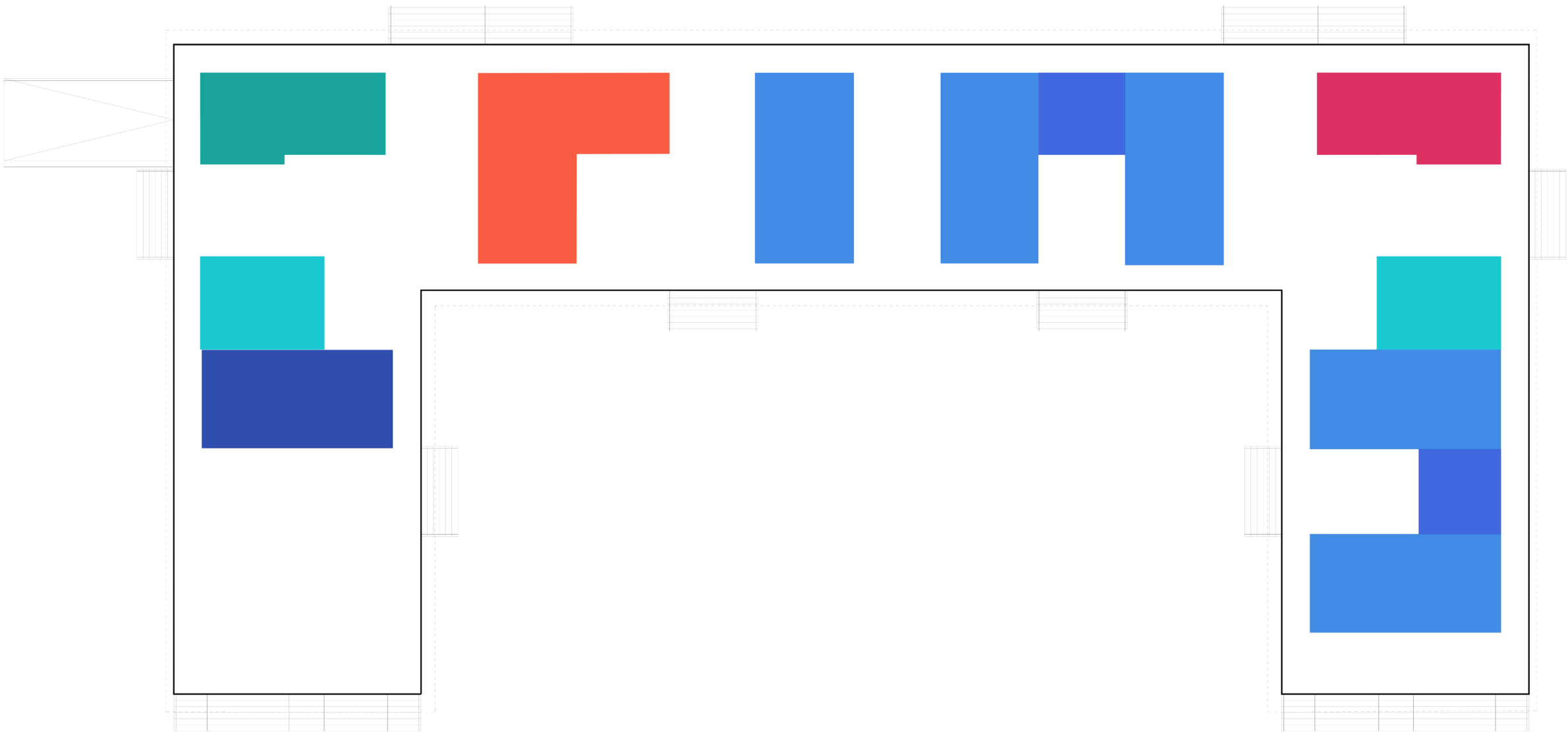
THE COMMON HOUSE

REPAIR WORKSHOP



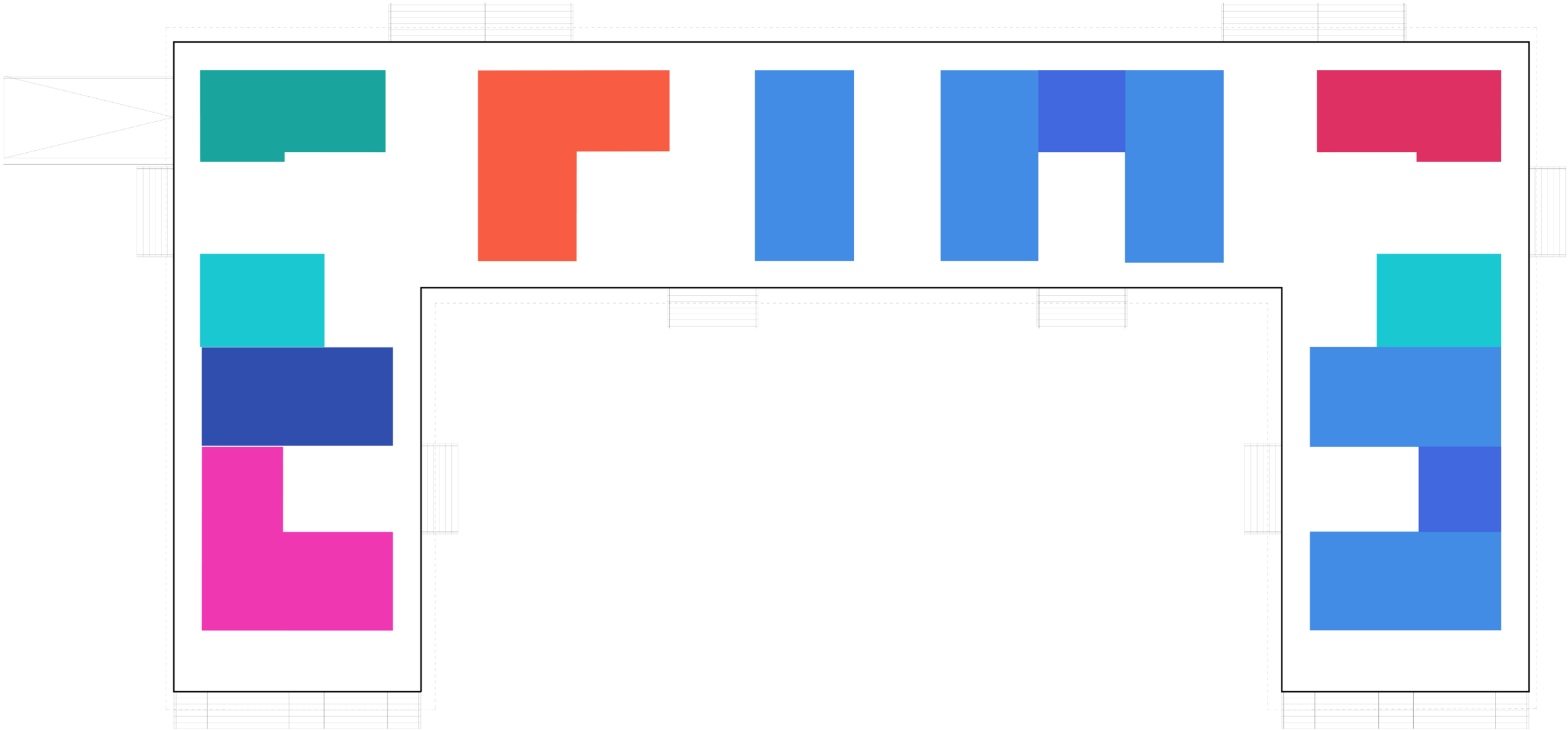
THE COMMON HOUSE

GUESTROOMS



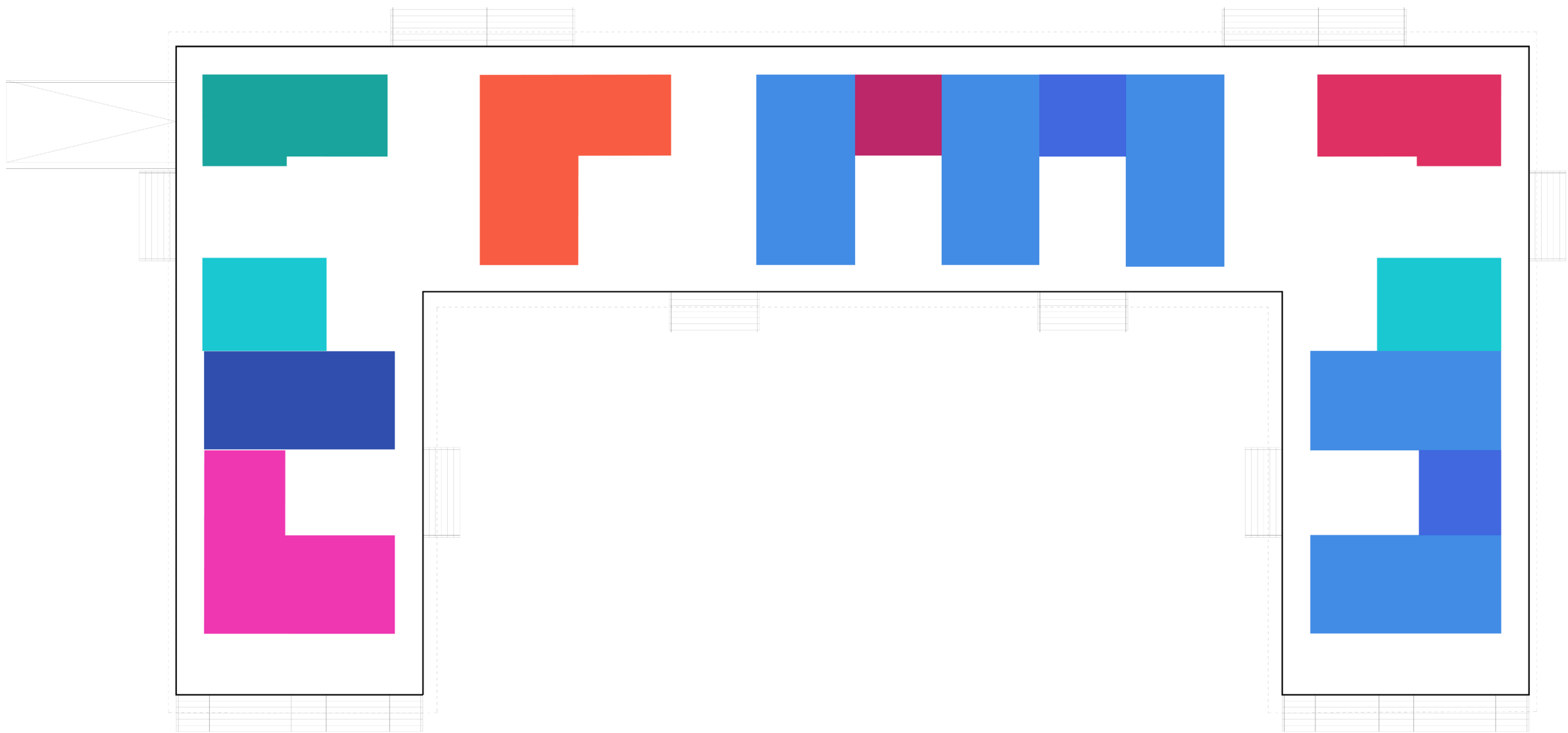
THE COMMON HOUSE

PERFORMANCE ARTS STUDIO



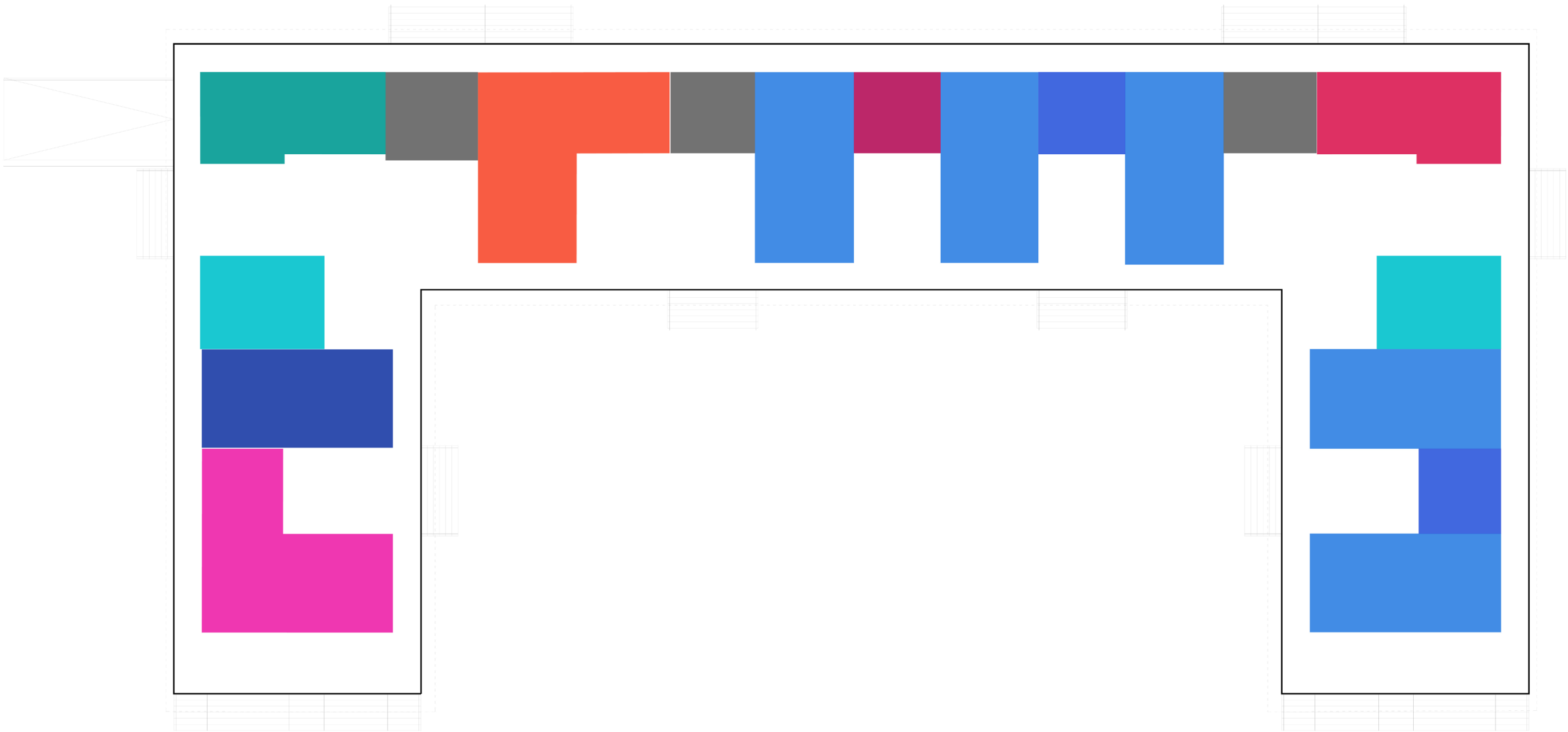
THE COMMON HOUSE

INFIRMARY



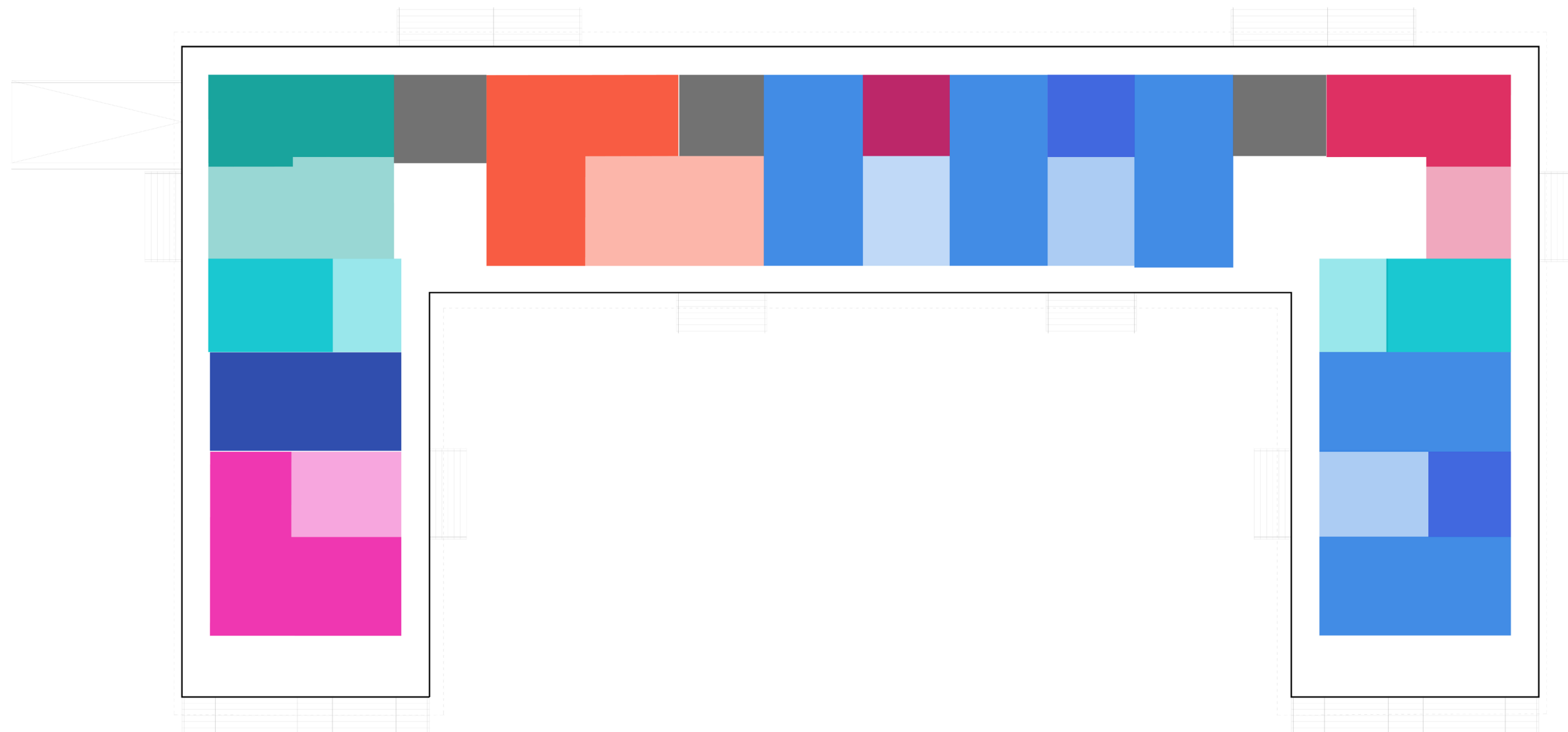
THE COMMON HOUSE

STORAGE, LAUNDRY AND LAVATORIES



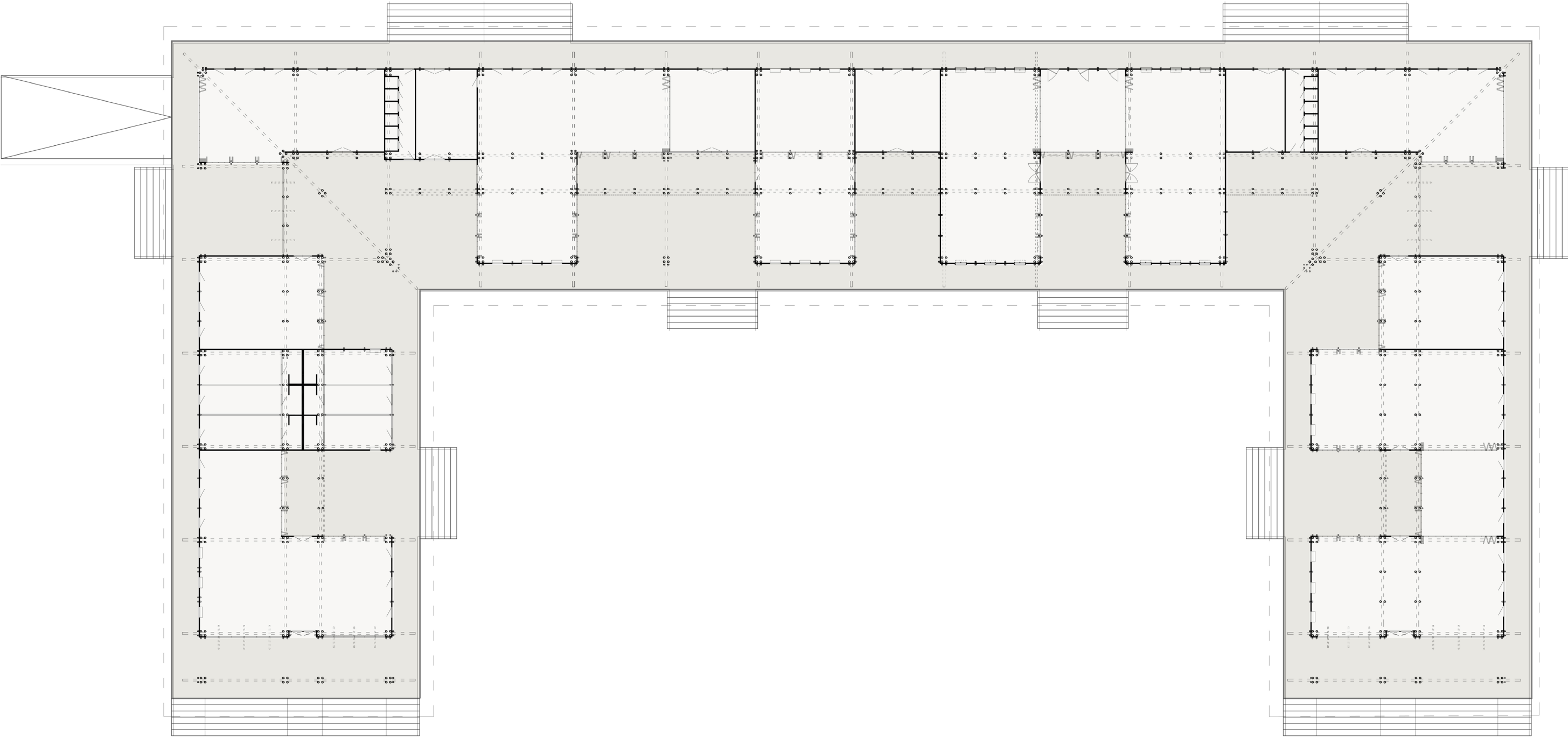
THE COMMON HOUSE

FUNCTIONS WITH THEIR RELATED PATIOS

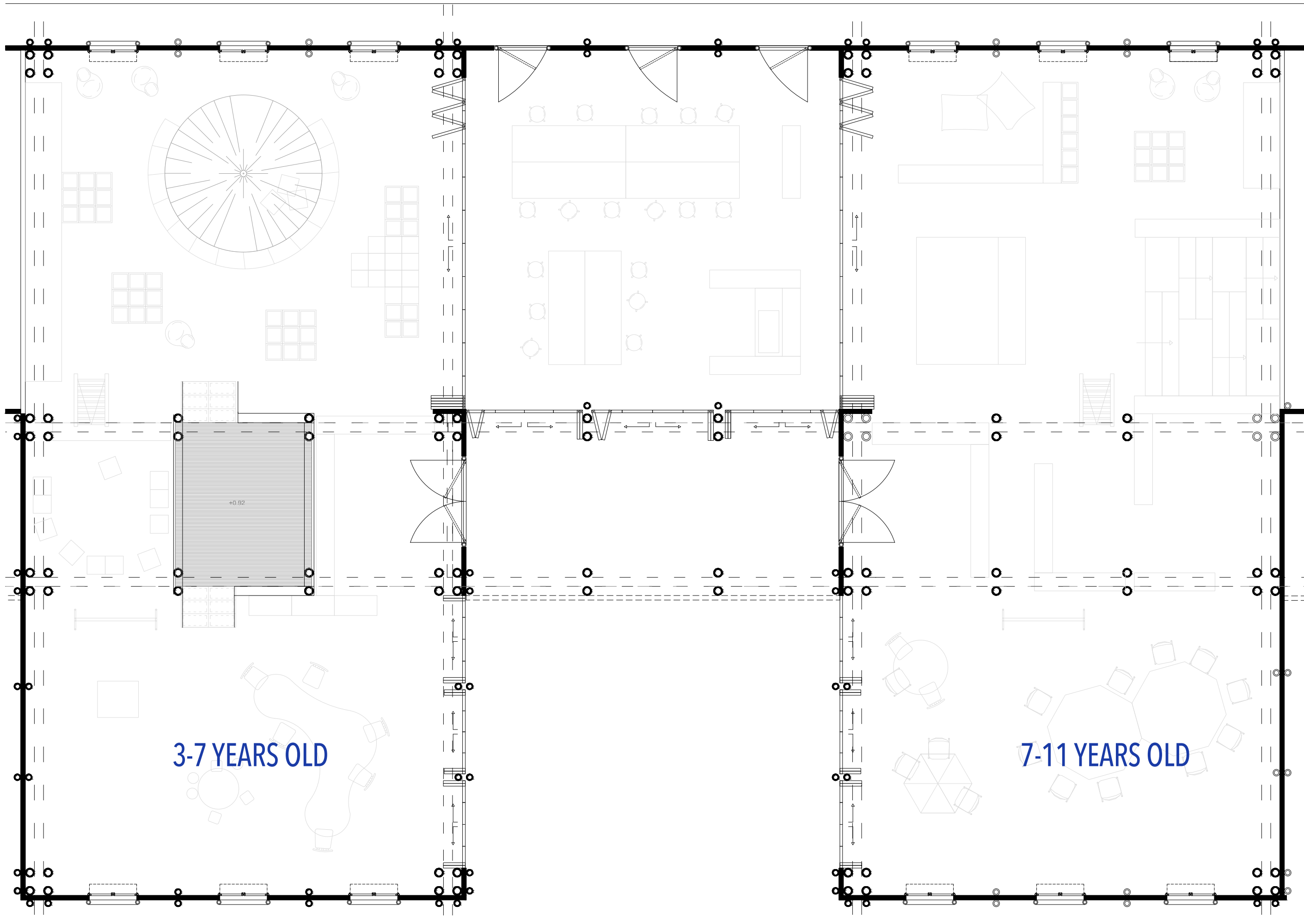


THE COMMON HOUSE

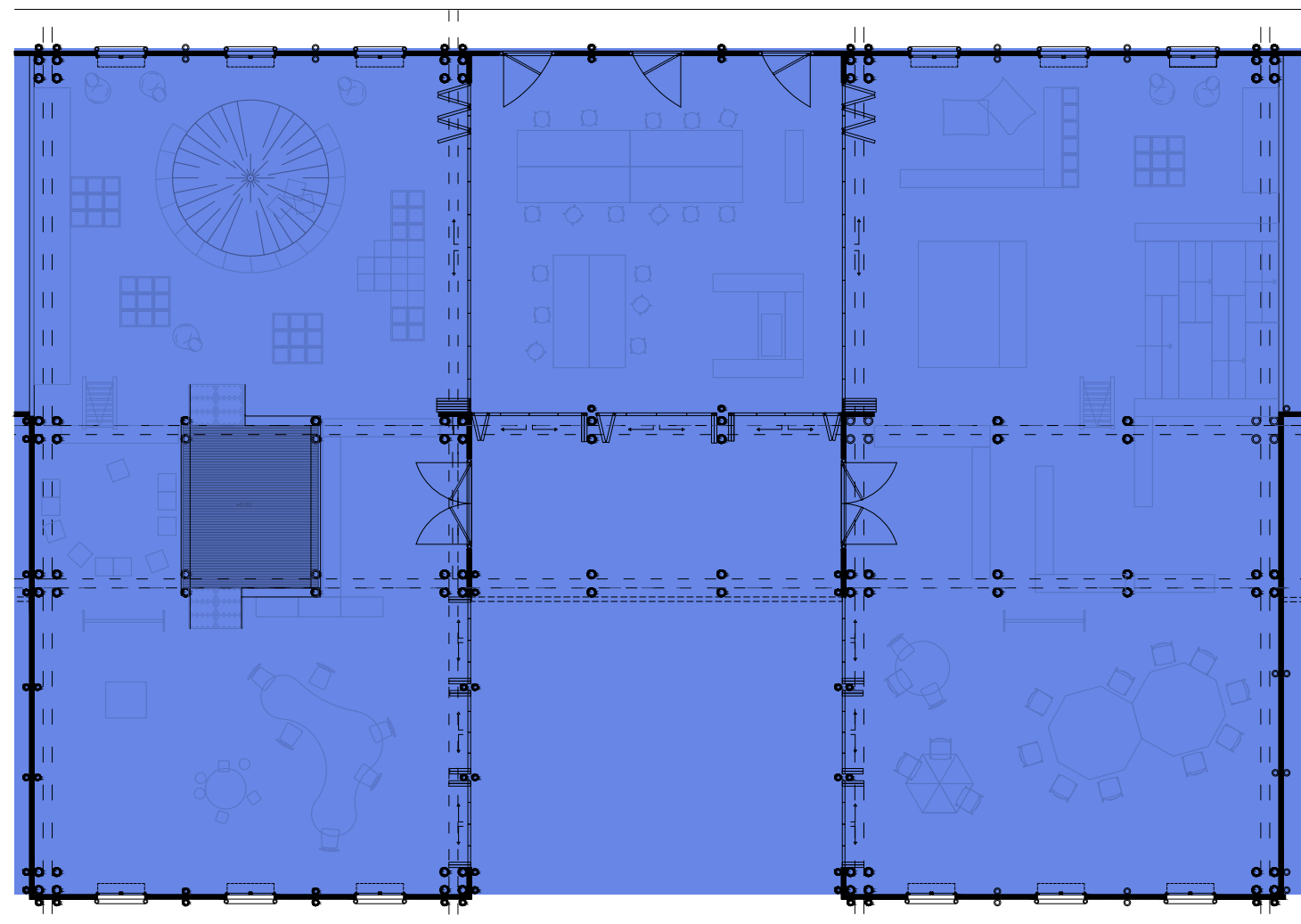
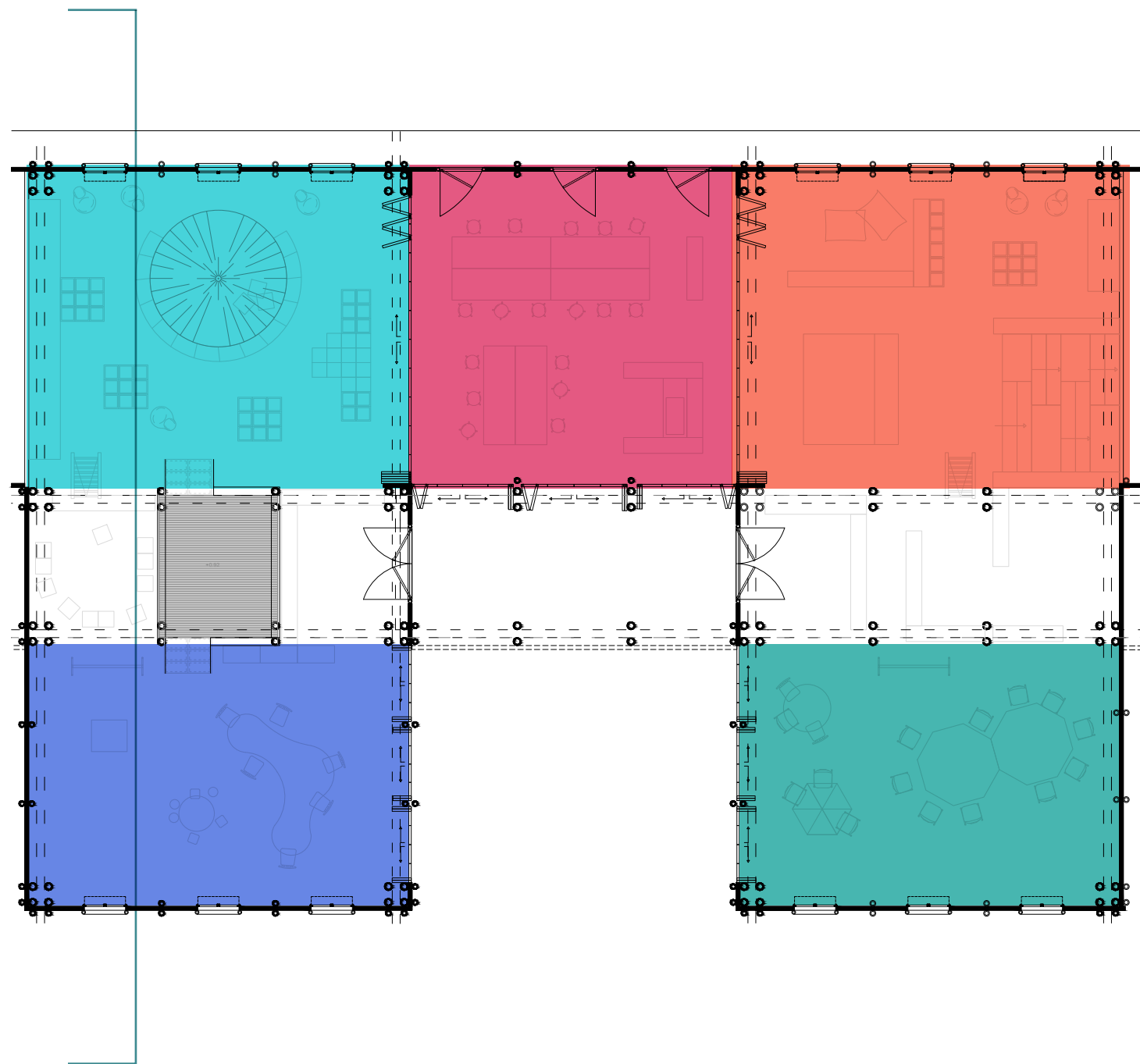
TOTAL FLOORPLAN

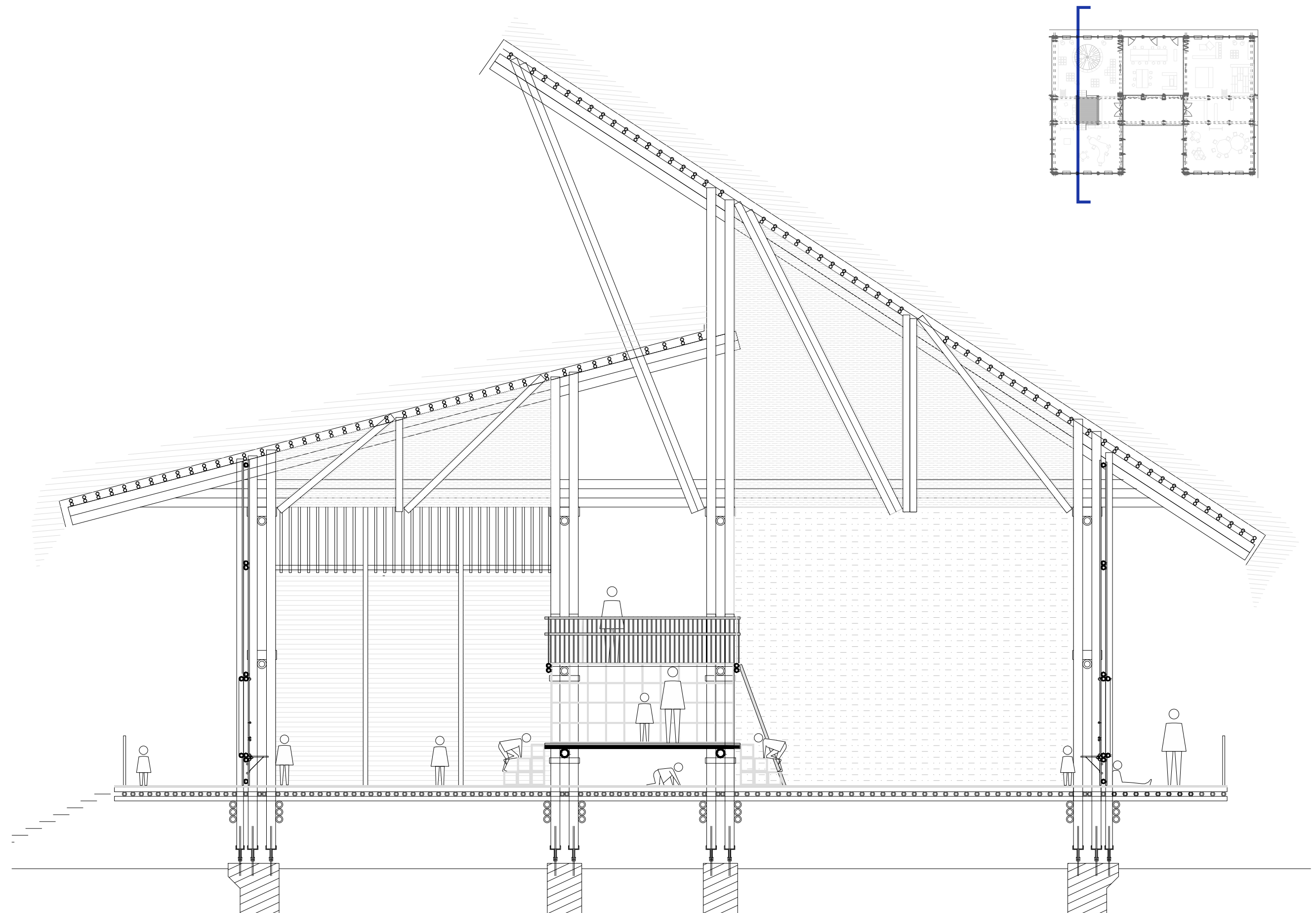


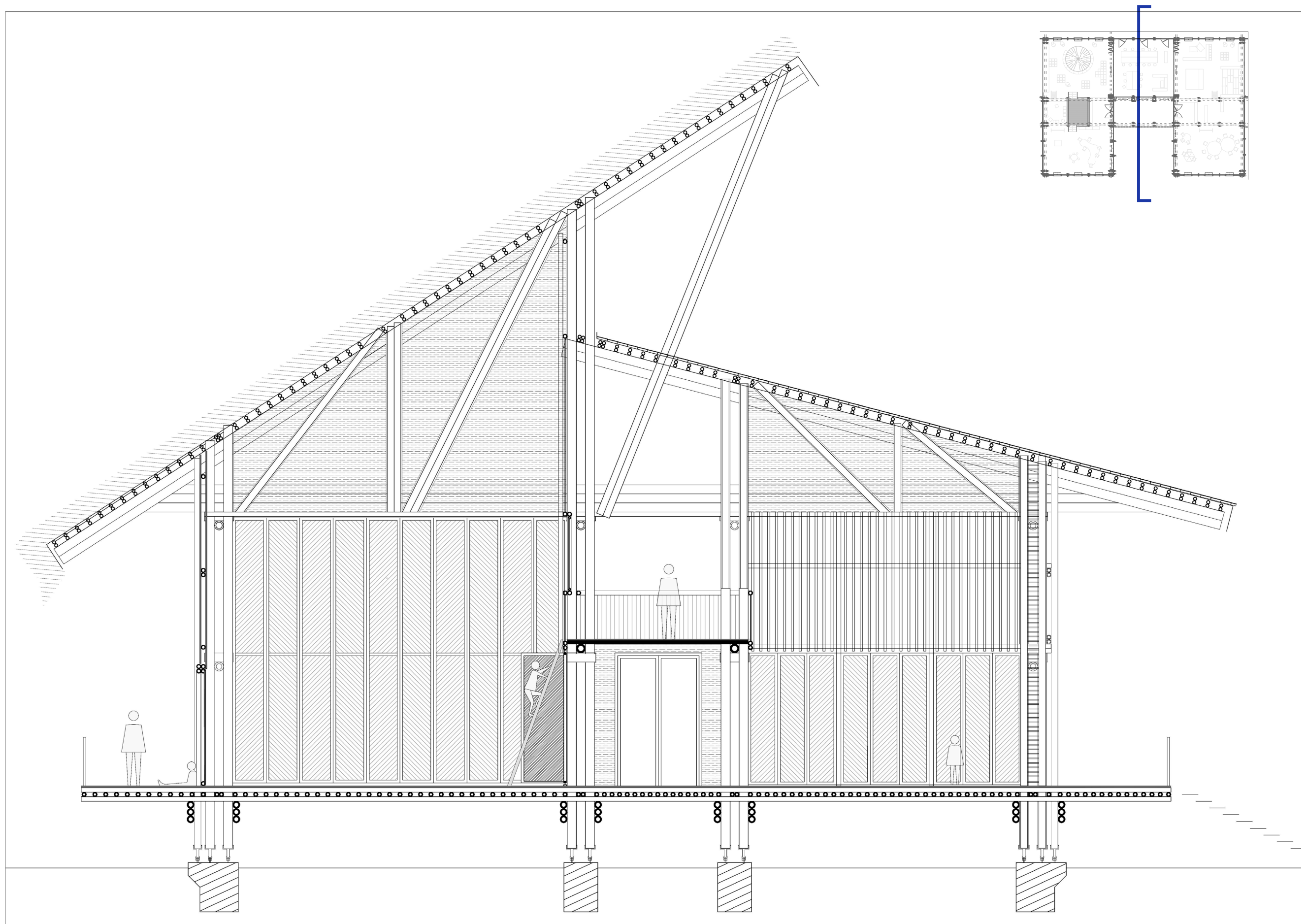
EDUCATIVE SUPPORTS



FLOOR PLAN



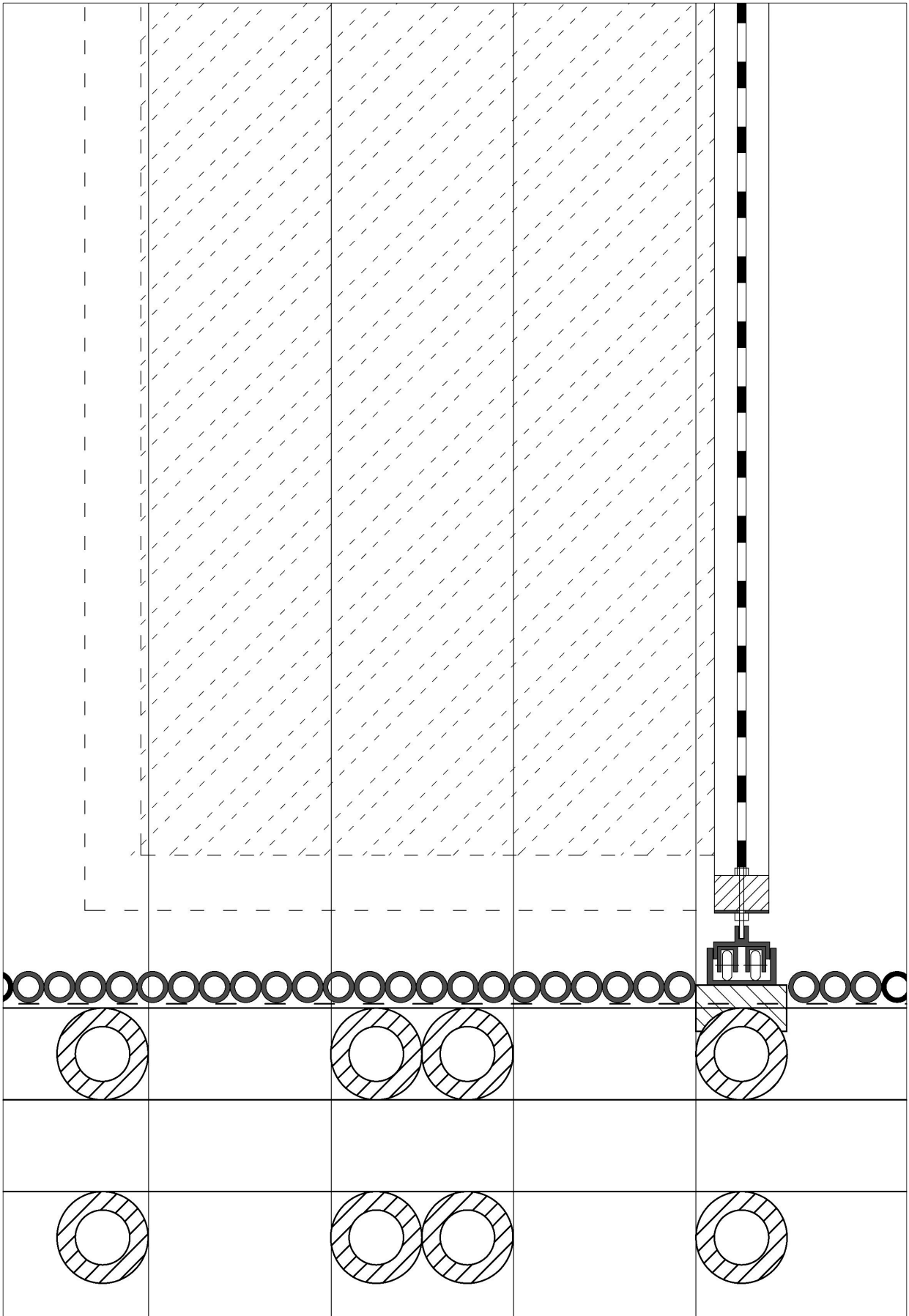
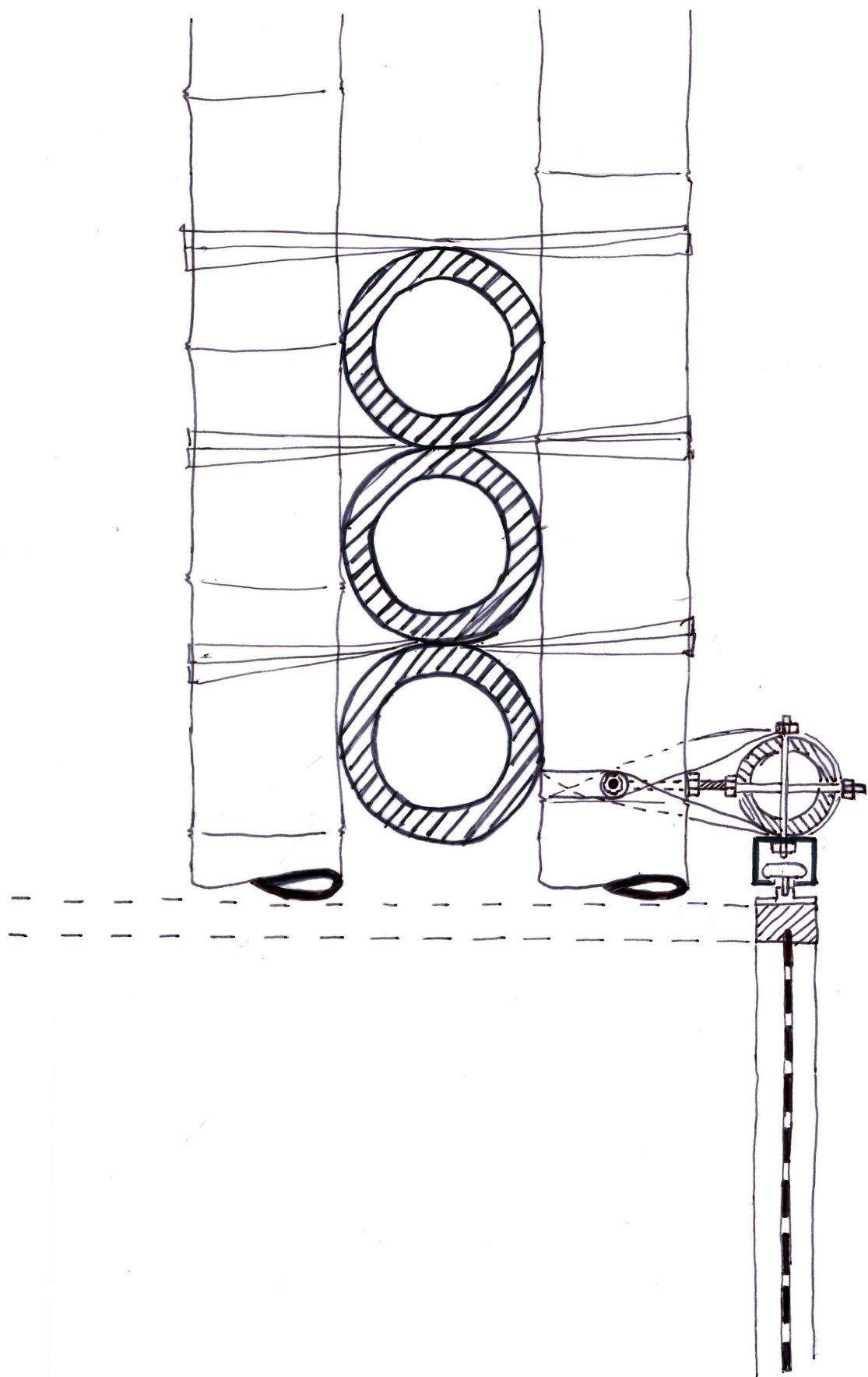




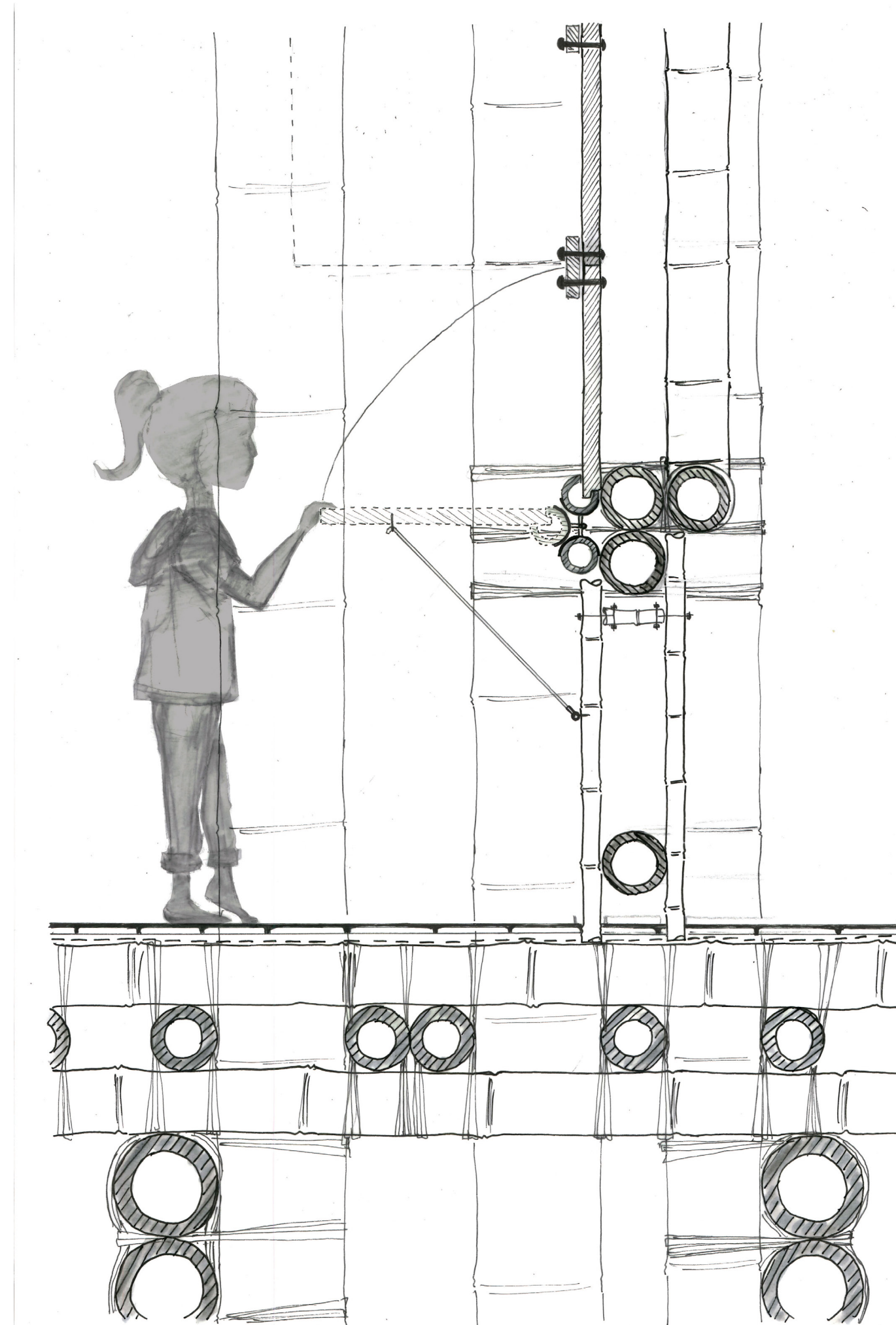
THE COMMON HOUSE



THE COMMON HOUSE



THE COMMON HOUSE

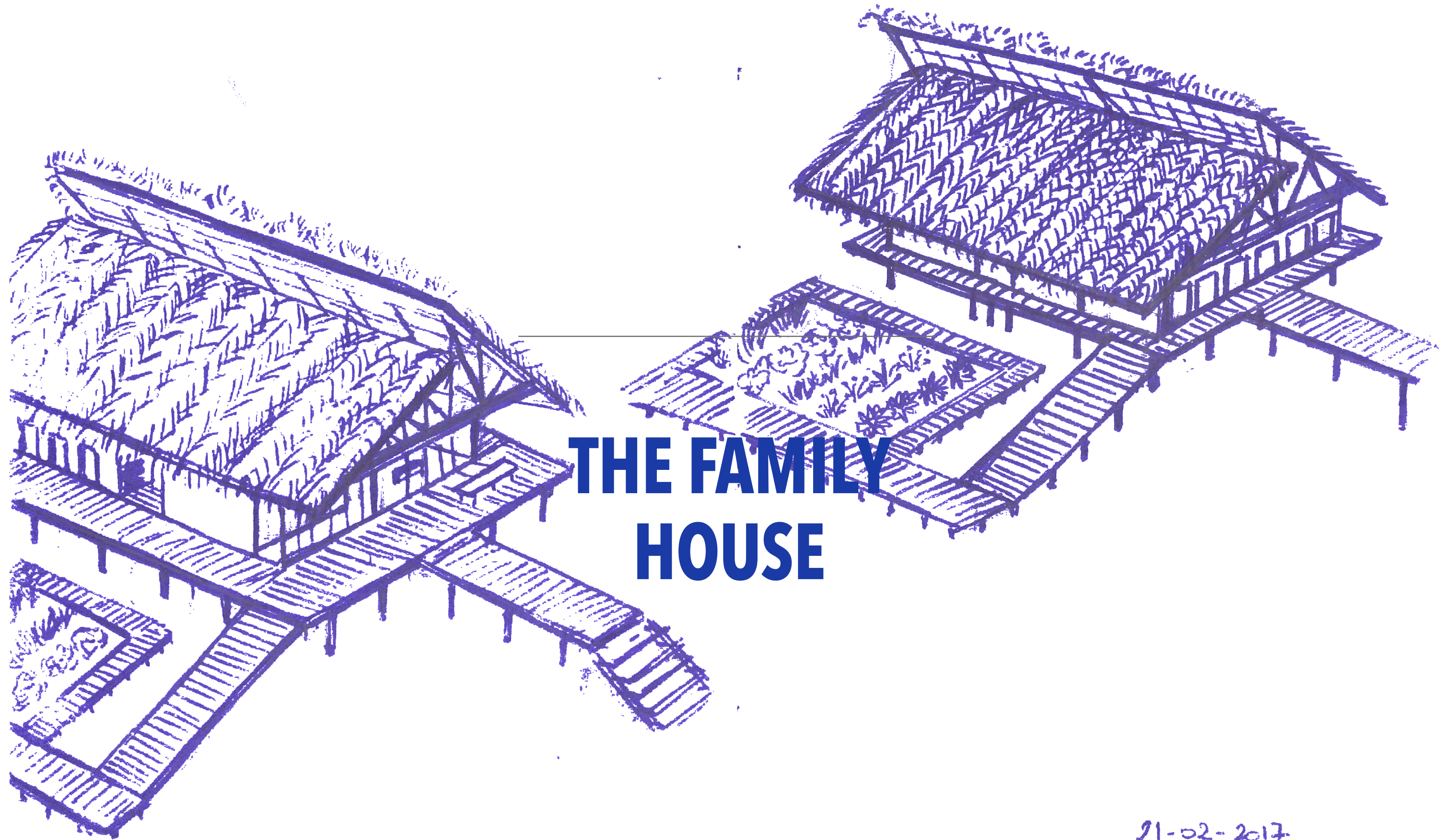




THE COMMON HOUSE

FACADES

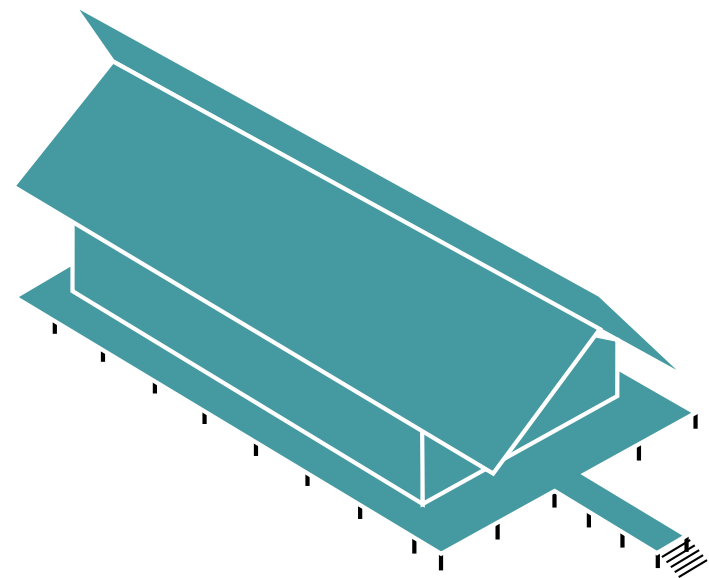




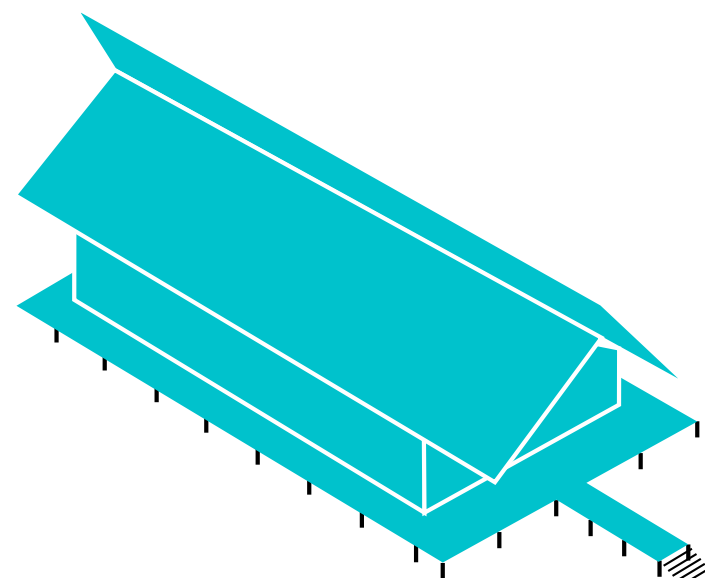
THE FAMILY HOUSE

21-02-2017

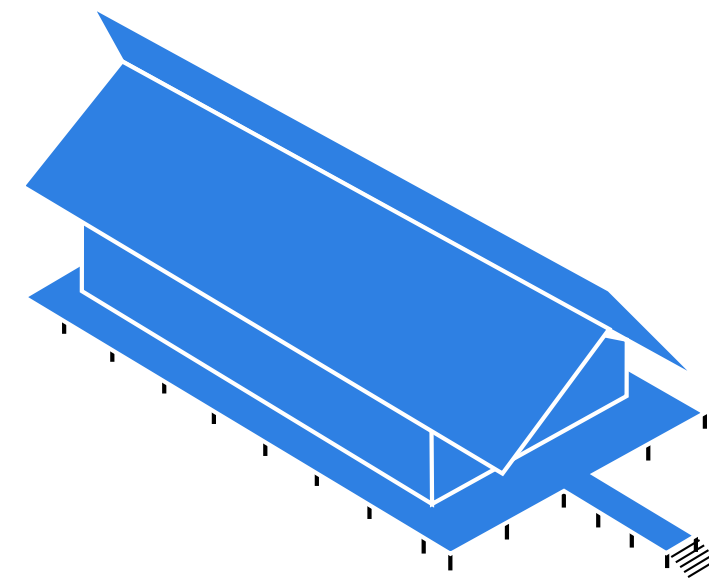
...



SALENTO:



SAPZURRO:

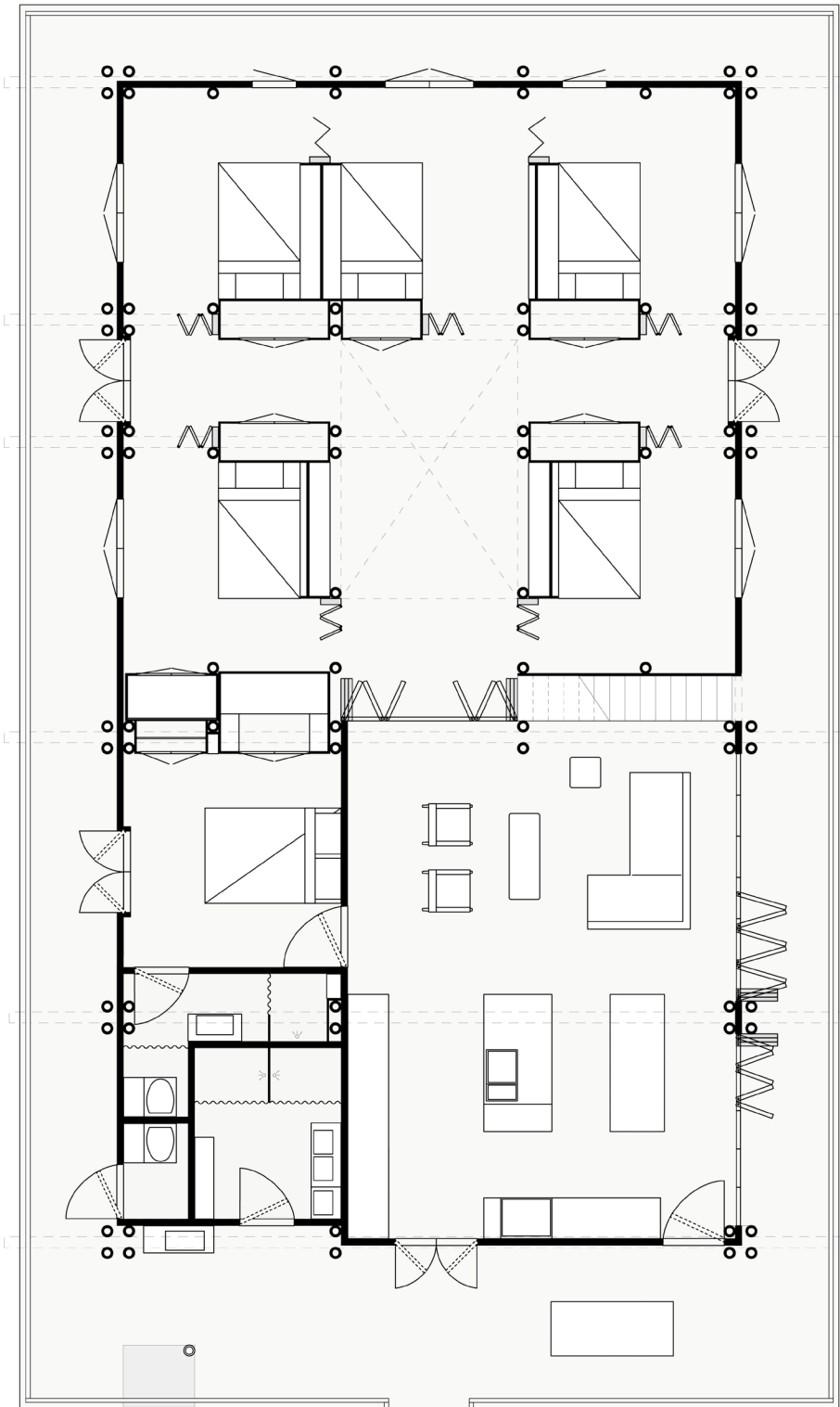


EL PAJARO:

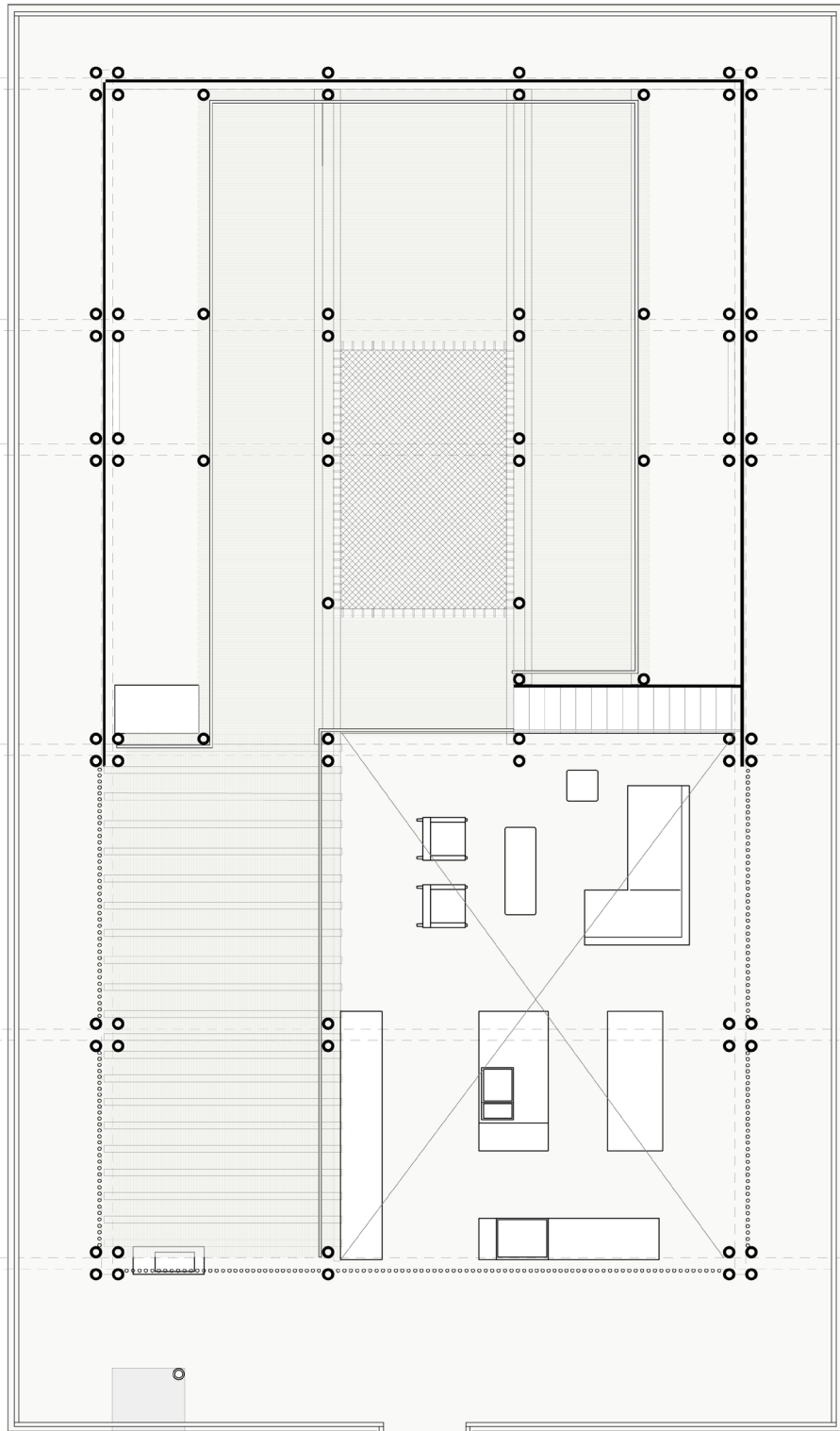


THE FAMILY HOUSE

FLOOR PLANS



GROUND FLOOR



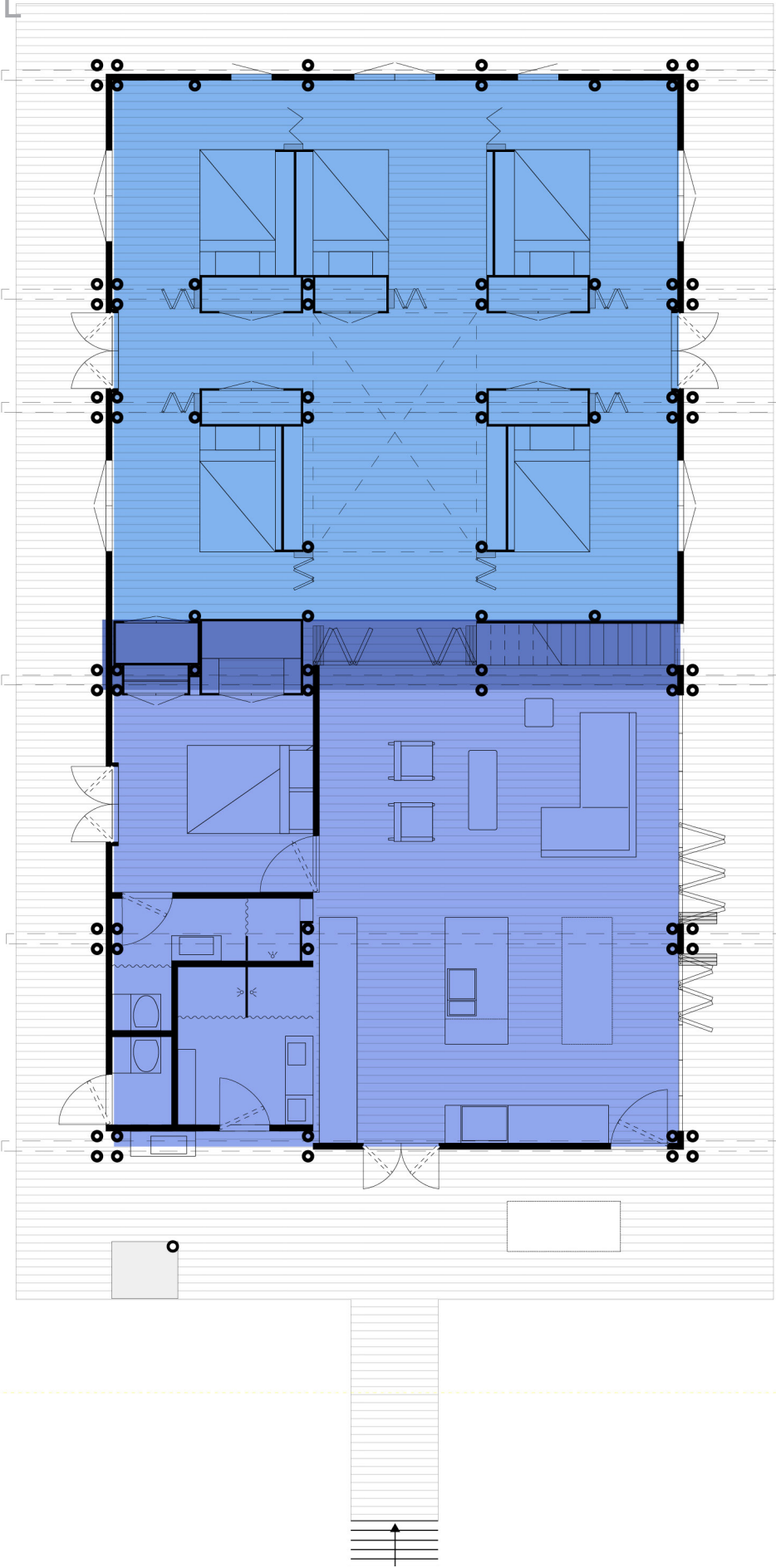
MEZZANINE

THE FAMILY HOUSE

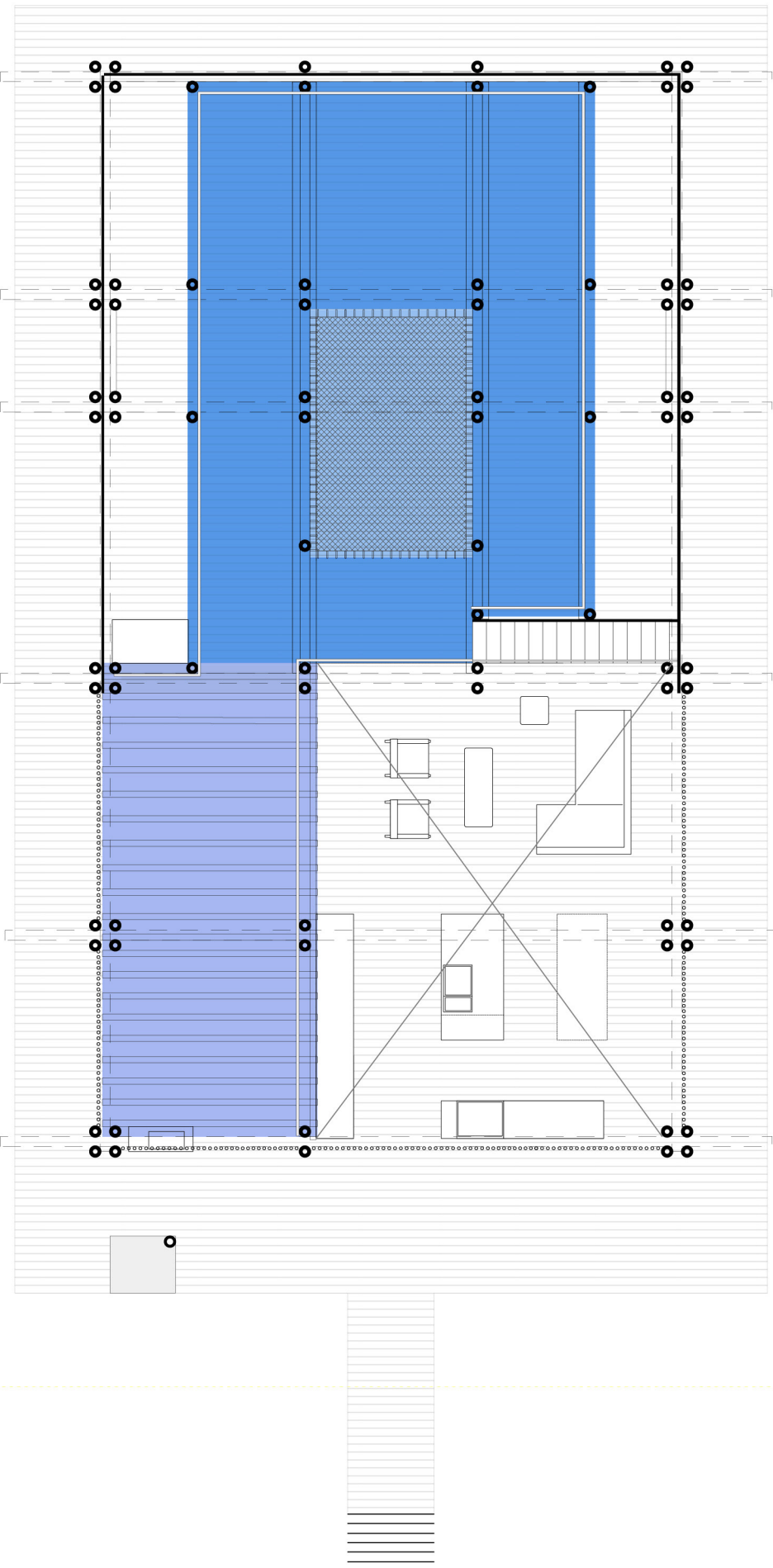
2 VOLUMES

CHILDREN'S ROOM

LIVING AREA
AND CARE
TAKER'S ROOM

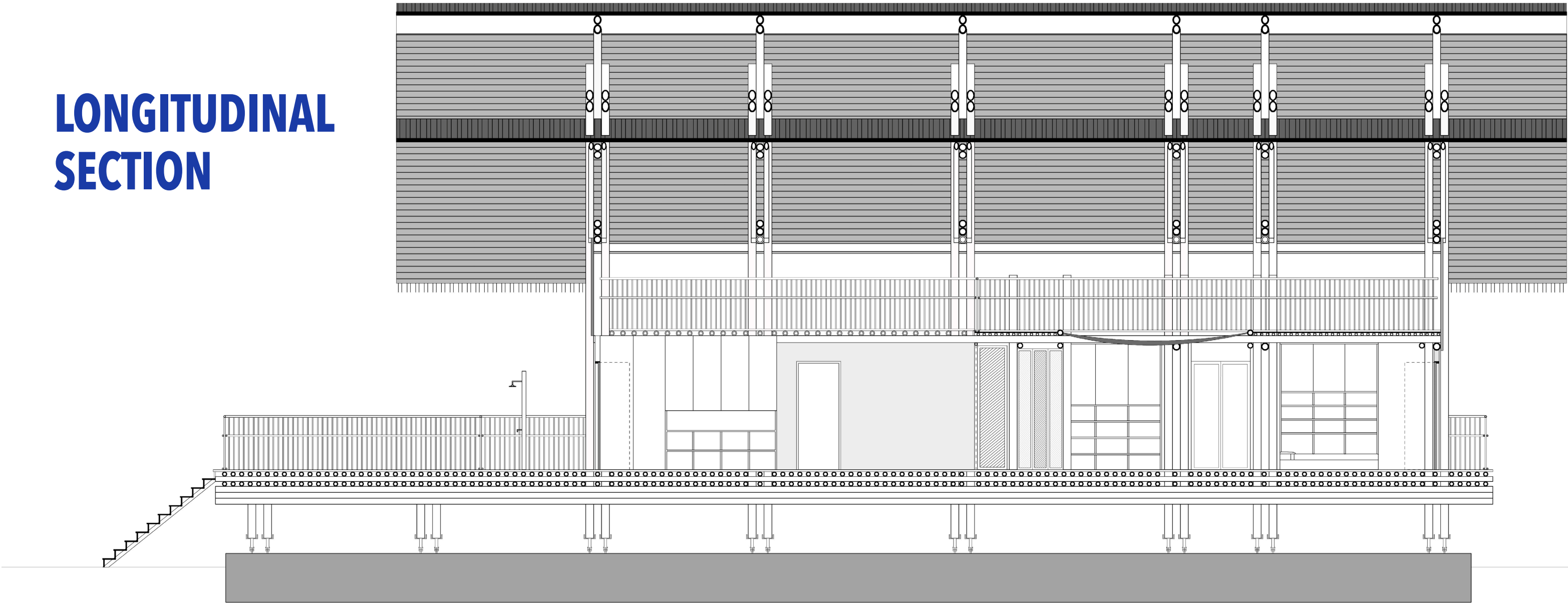


PLAYING AREA



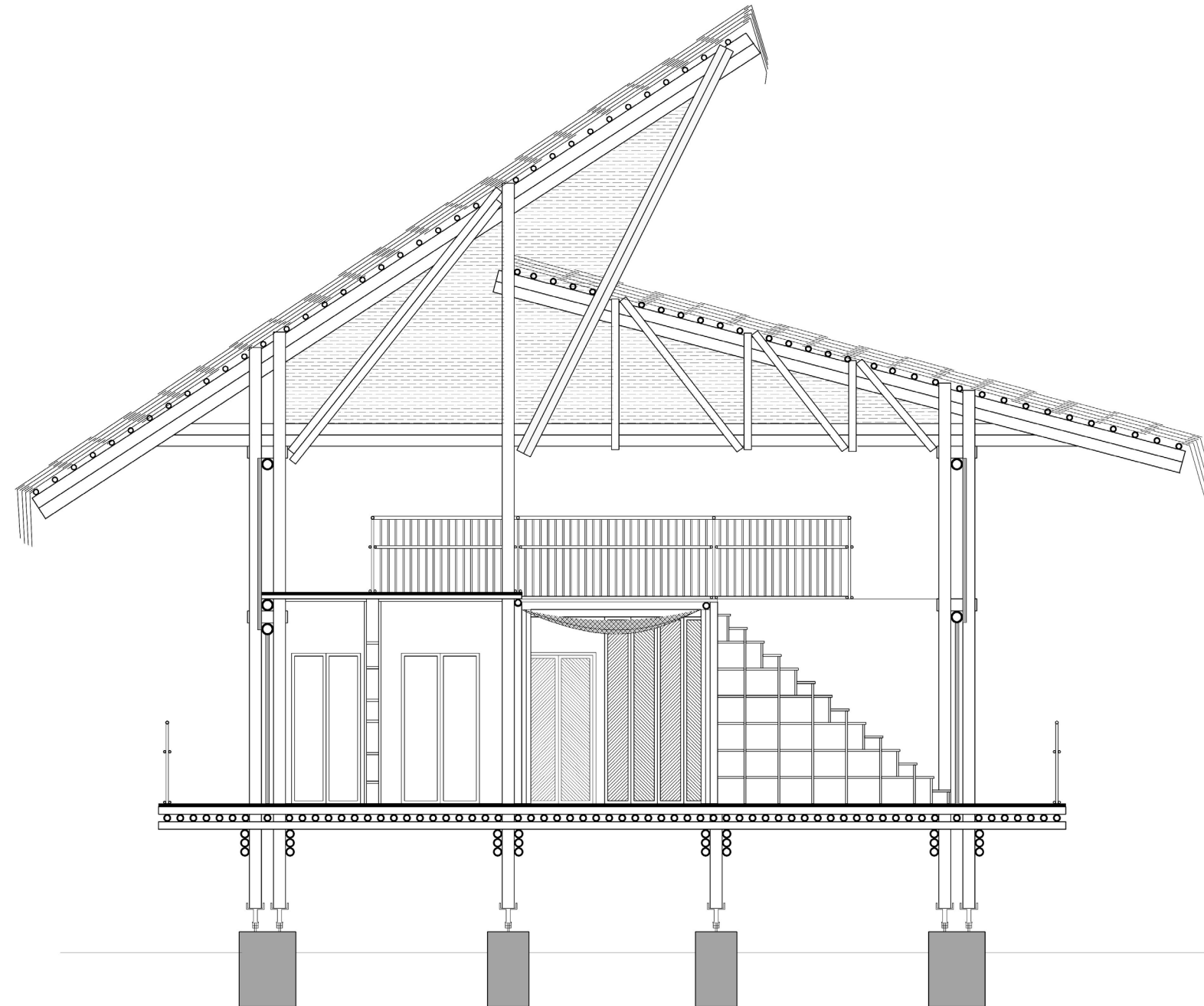
THE FAMILY HOUSE

LONGITUDINAL
SECTION



THE FAMILY HOUSE

CROSS SECTION





A CONSTRUCTIVE SYSTEM

A CONSTRUCTIVE SYSTEM

ABOUT BAMBOO

- **LOCAL MATERIAL**
- **FAST GROWING**
- **STRONG MATERIAL**



A CONSTRUCTIVE SYSTEM

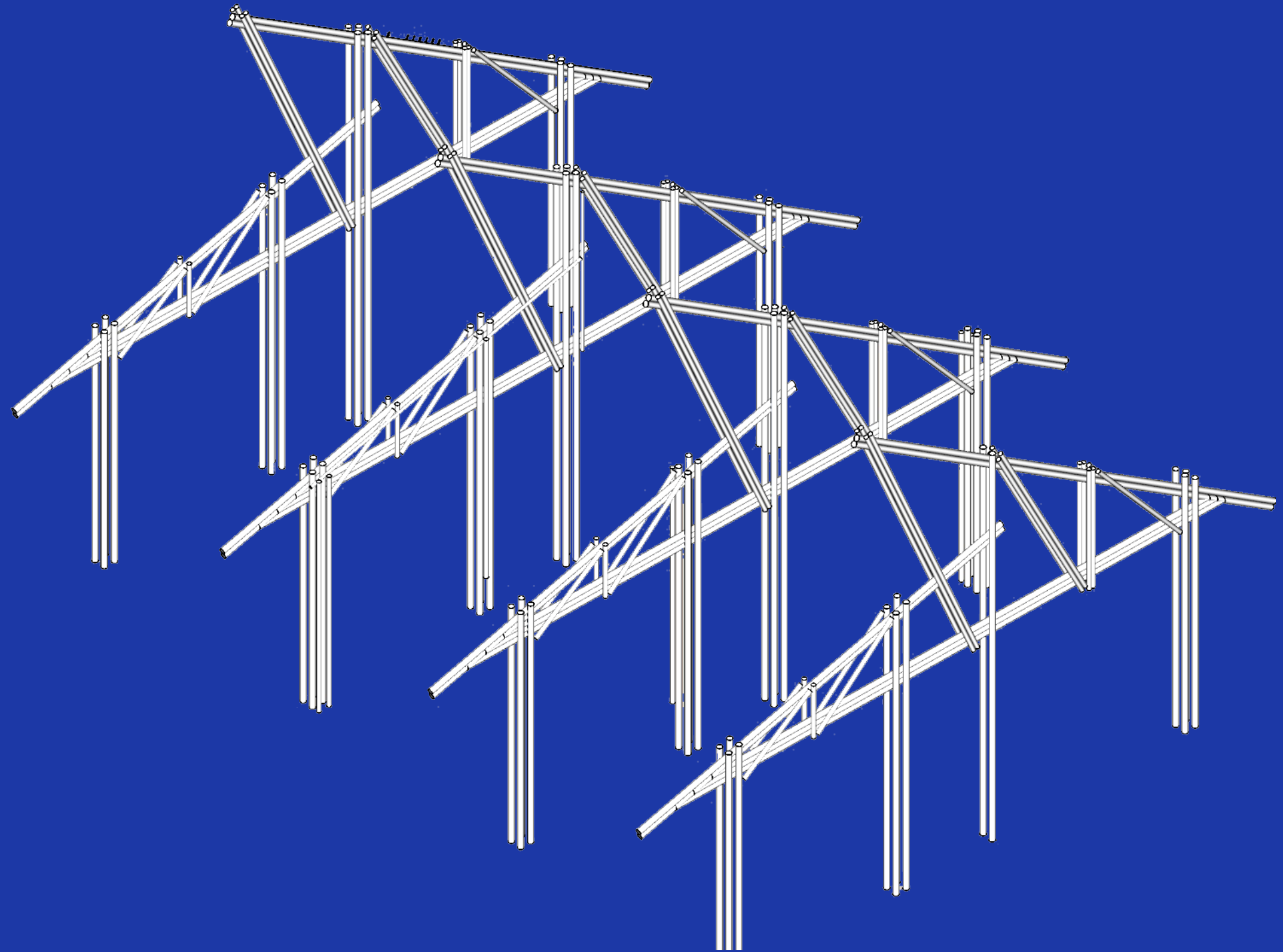
**AND LIGHT TO
TRANSPORT !!!**



A CONSTRUCTIVE SYSTEM

**Skeleton frame as
construction type**

**Repetition of a portal
frame every 9 meters**



A CONSTRUCTIVE SYSTEM

The foundations depend on the terrain and the type of soil



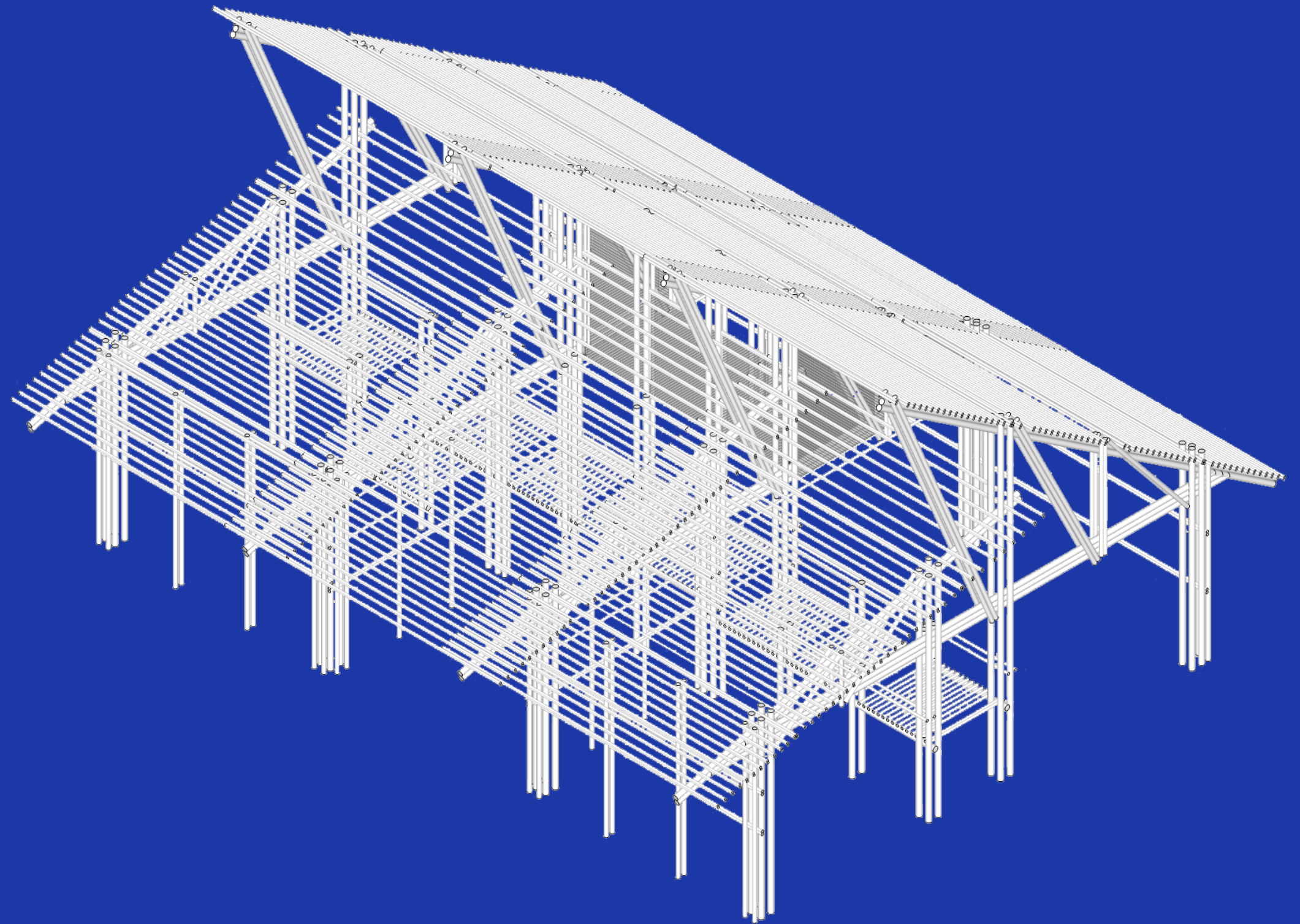
CONCRETE BEAMS AND BLOCKS



CONCRETE POLES

A CONSTRUCTIVE SYSTEM

**Roof structure
and mezzanine
bind the portals
together**



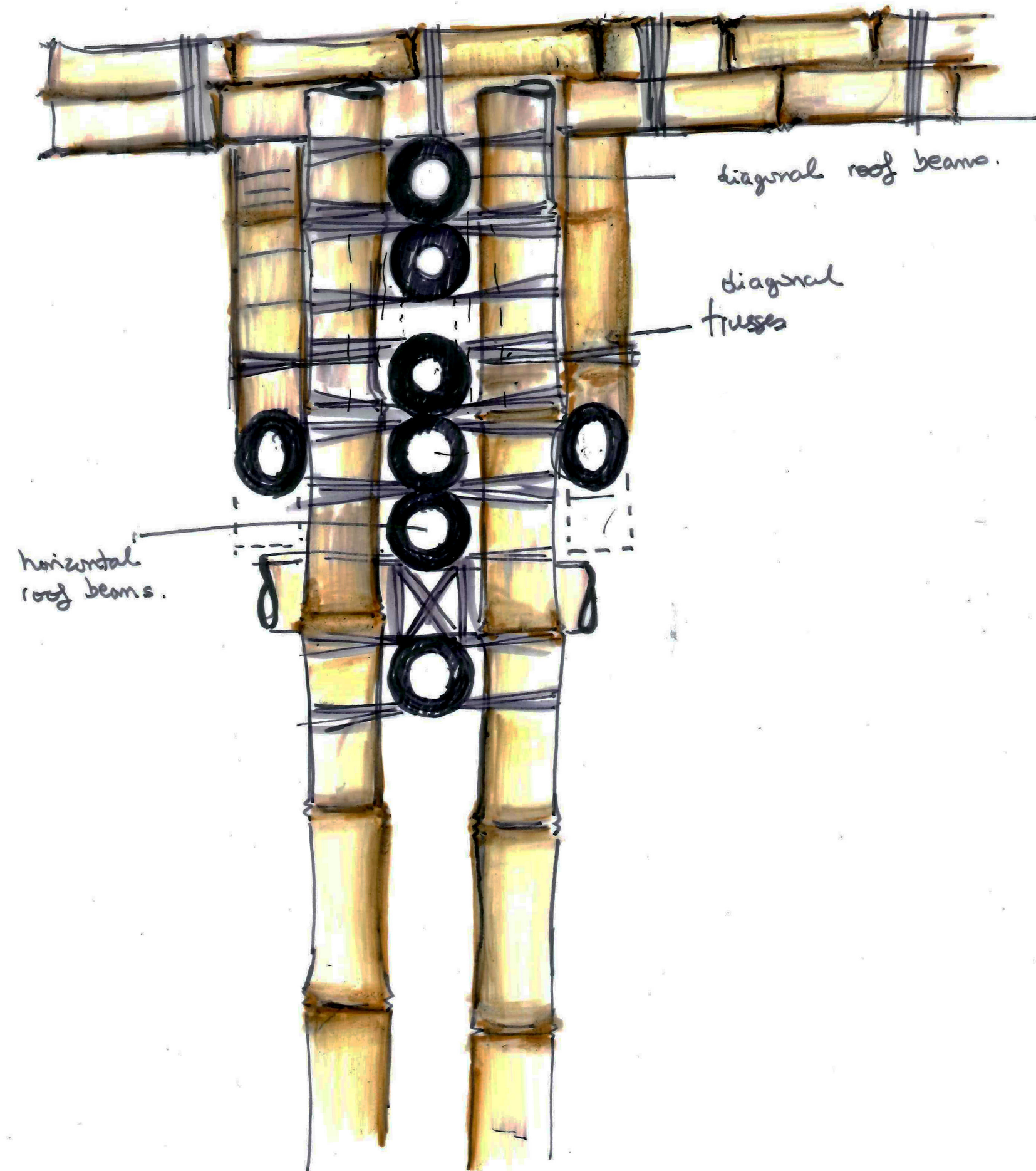
A CONSTRUCTIVE SYSTEM

Clasping bamboo in the making of joints



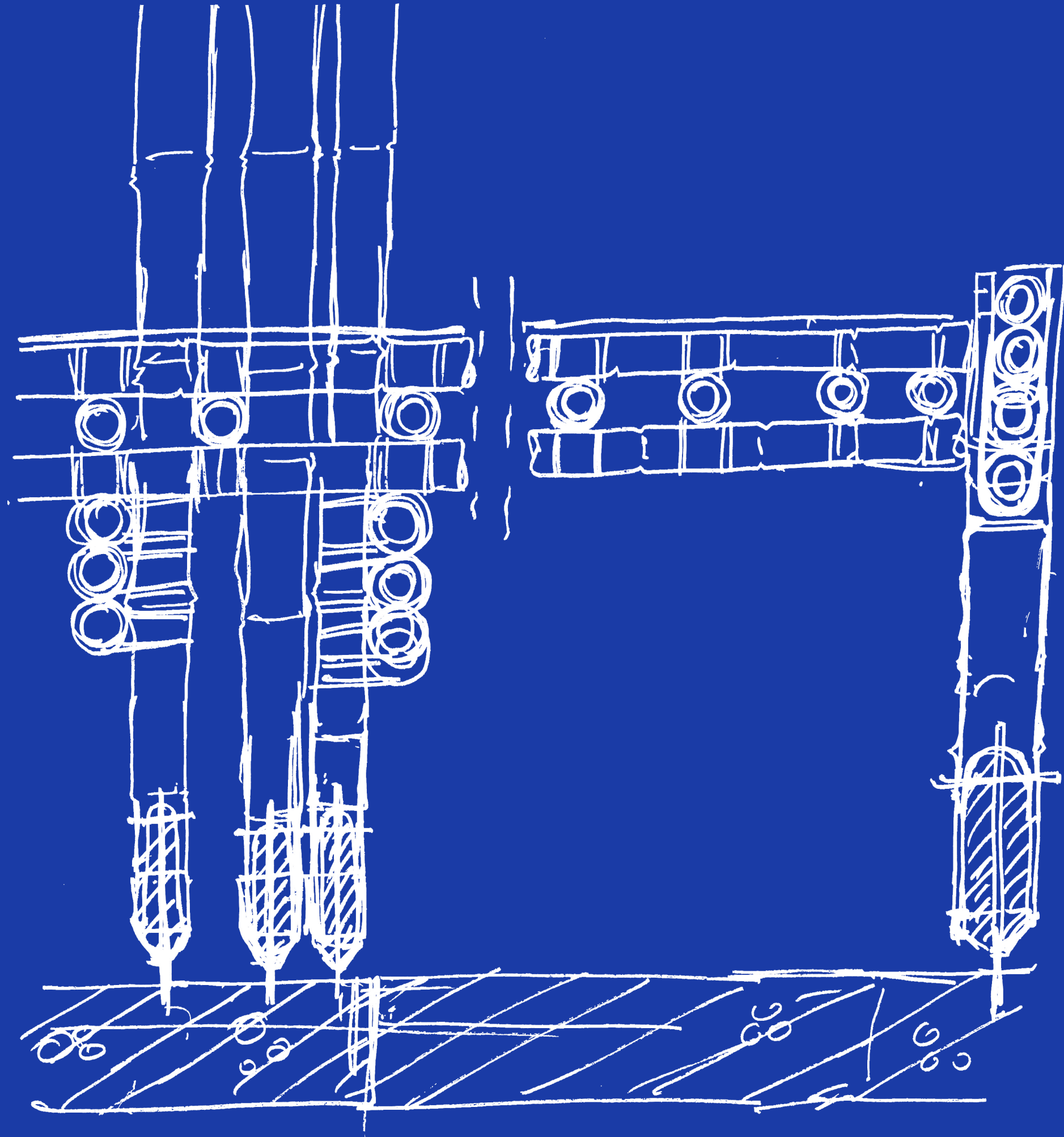
A CONSTRUCTIVE SYSTEM

Clasping the bamboo beams of the portal frame between two columns



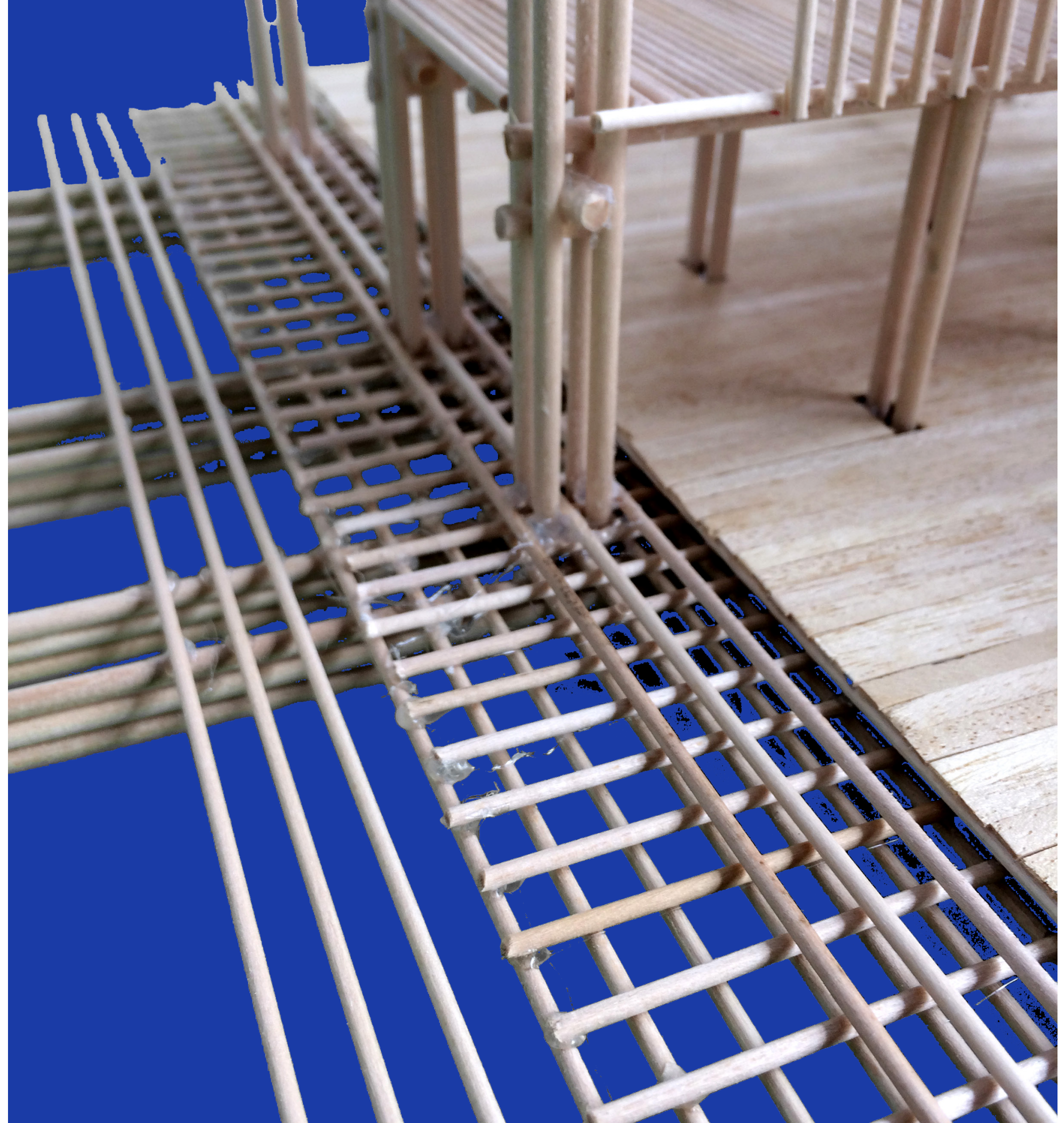
A CONSTRUCTIVE SYSTEM

Clasping the bamboo poles for the floor structure

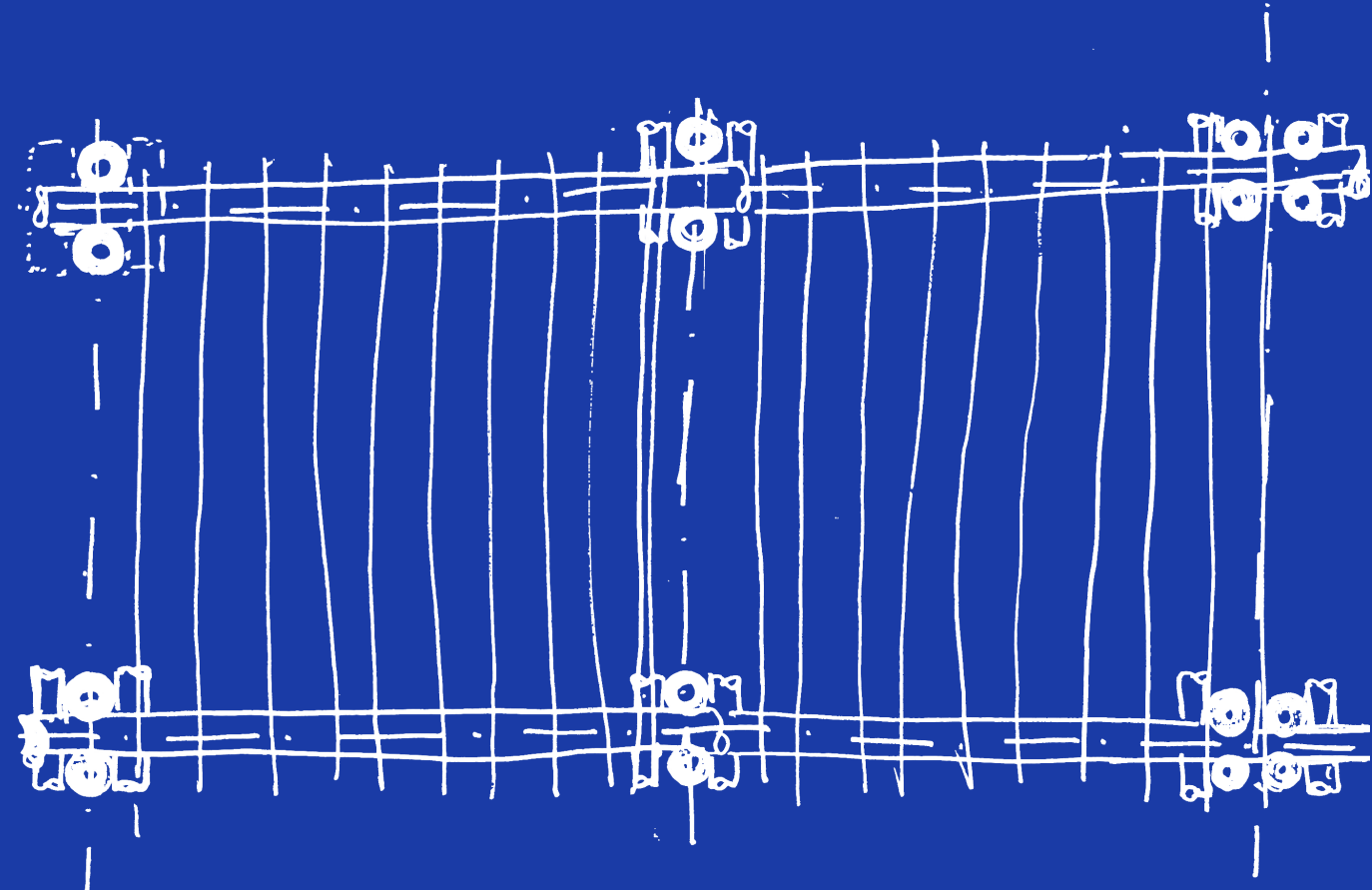


A CONSTRUCTIVE SYSTEM

Layers of the floor construction



Construction of the mezzanine floors



A CONSTRUCTIVE SYSTEM

Construction of the mezzanine floors



A CONSTRUCTIVE SYSTEM



A CONSTRUCTIVE SYSTEM



A CONSTRUCTIVE SYSTEM





Palm leaves



waved bamboo



**vertical bamboo
strokes**



**see-through
diagonal pattern**



THE DESIGN PROPOSAL IN THE DIFFERENT LOCATIONS

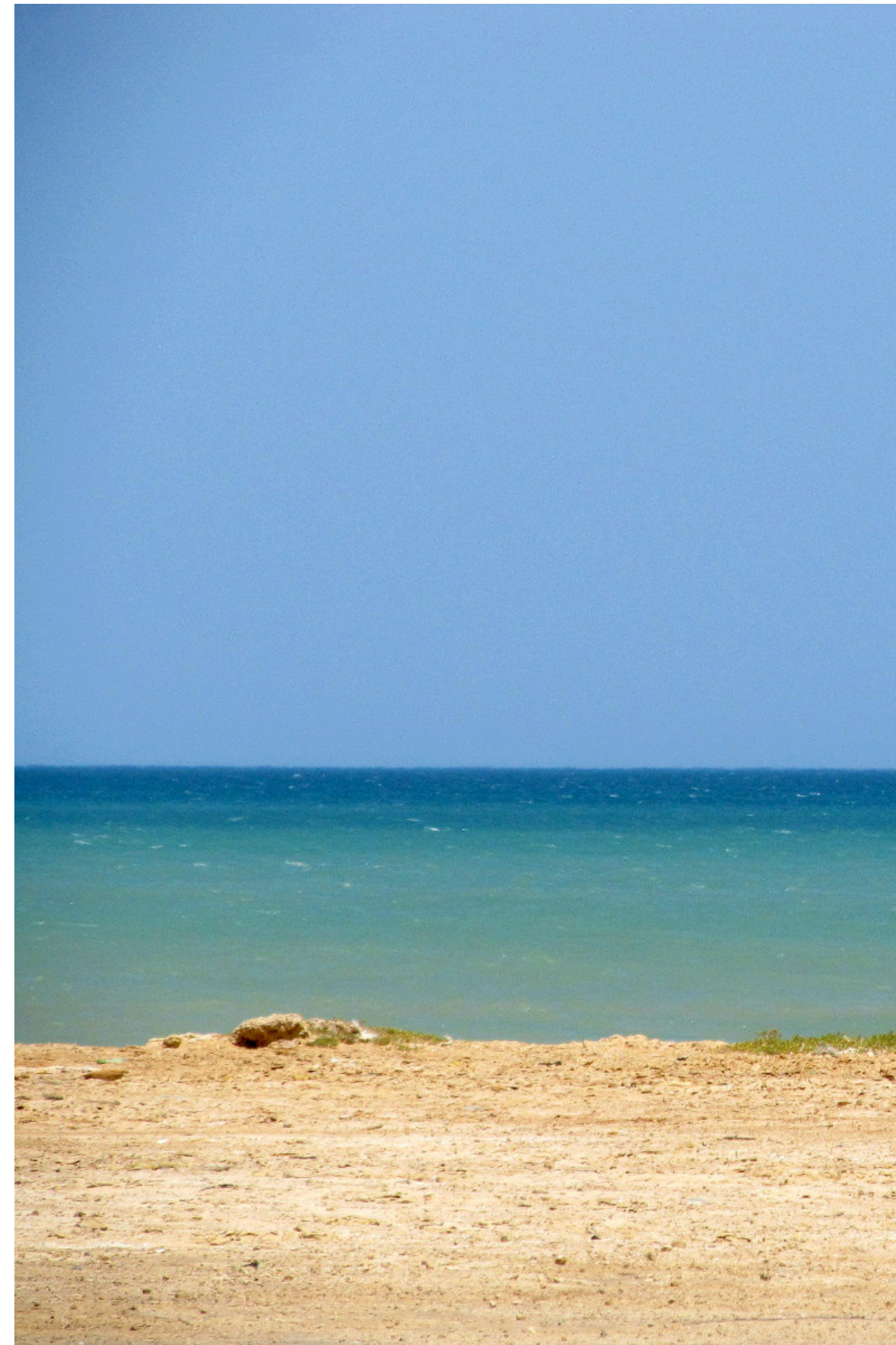
SALENTO



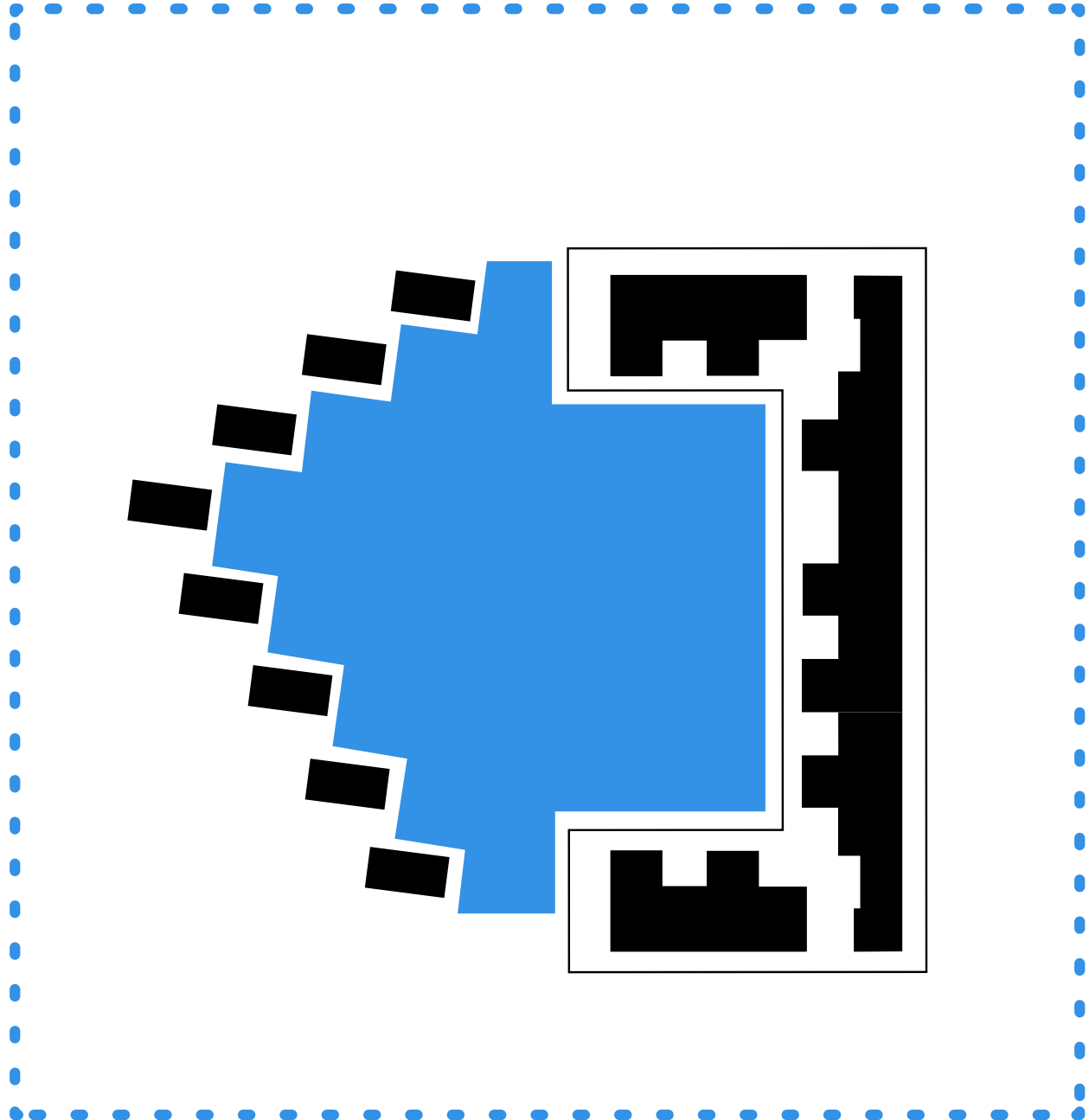
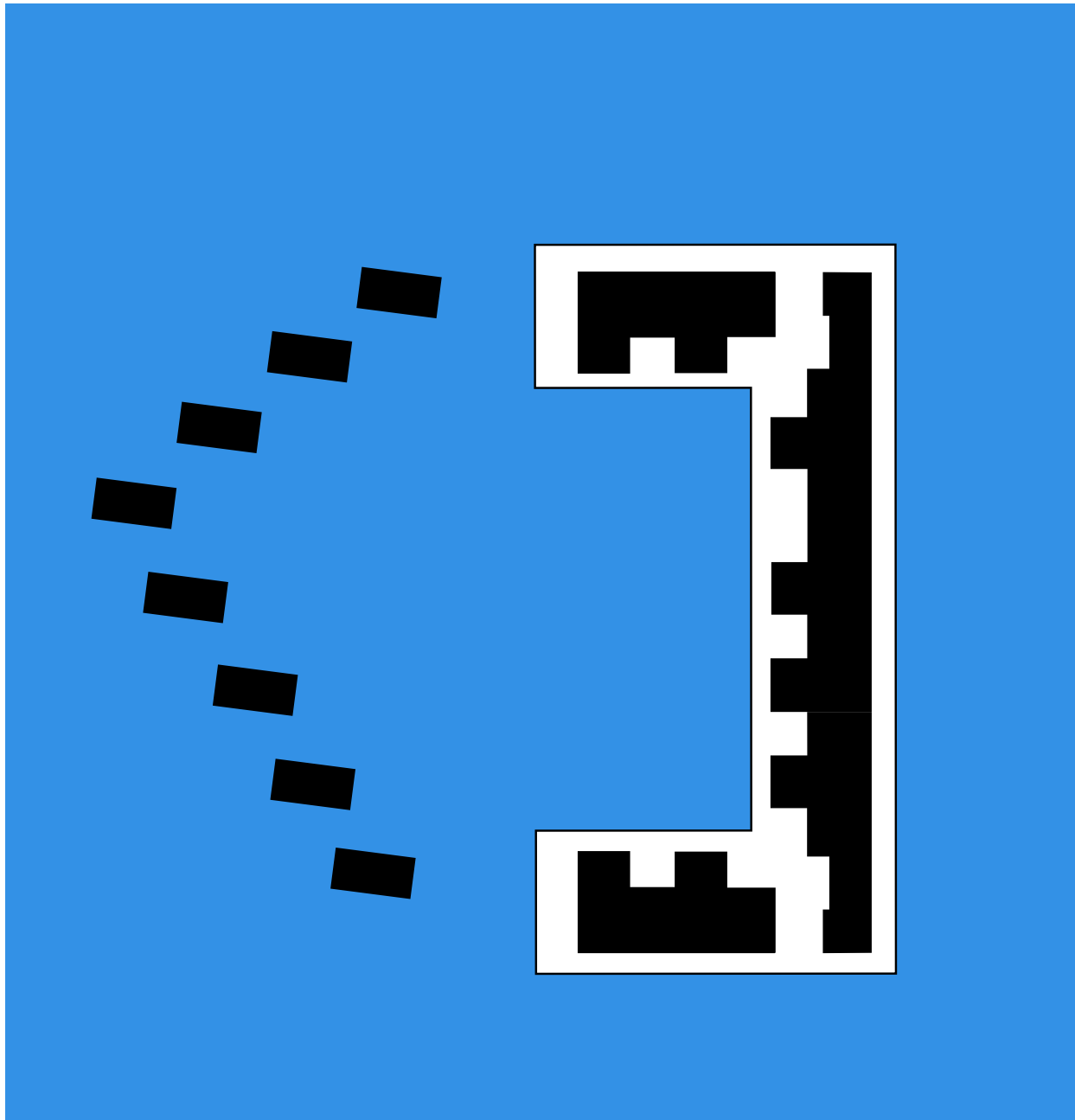
SAPZURRO



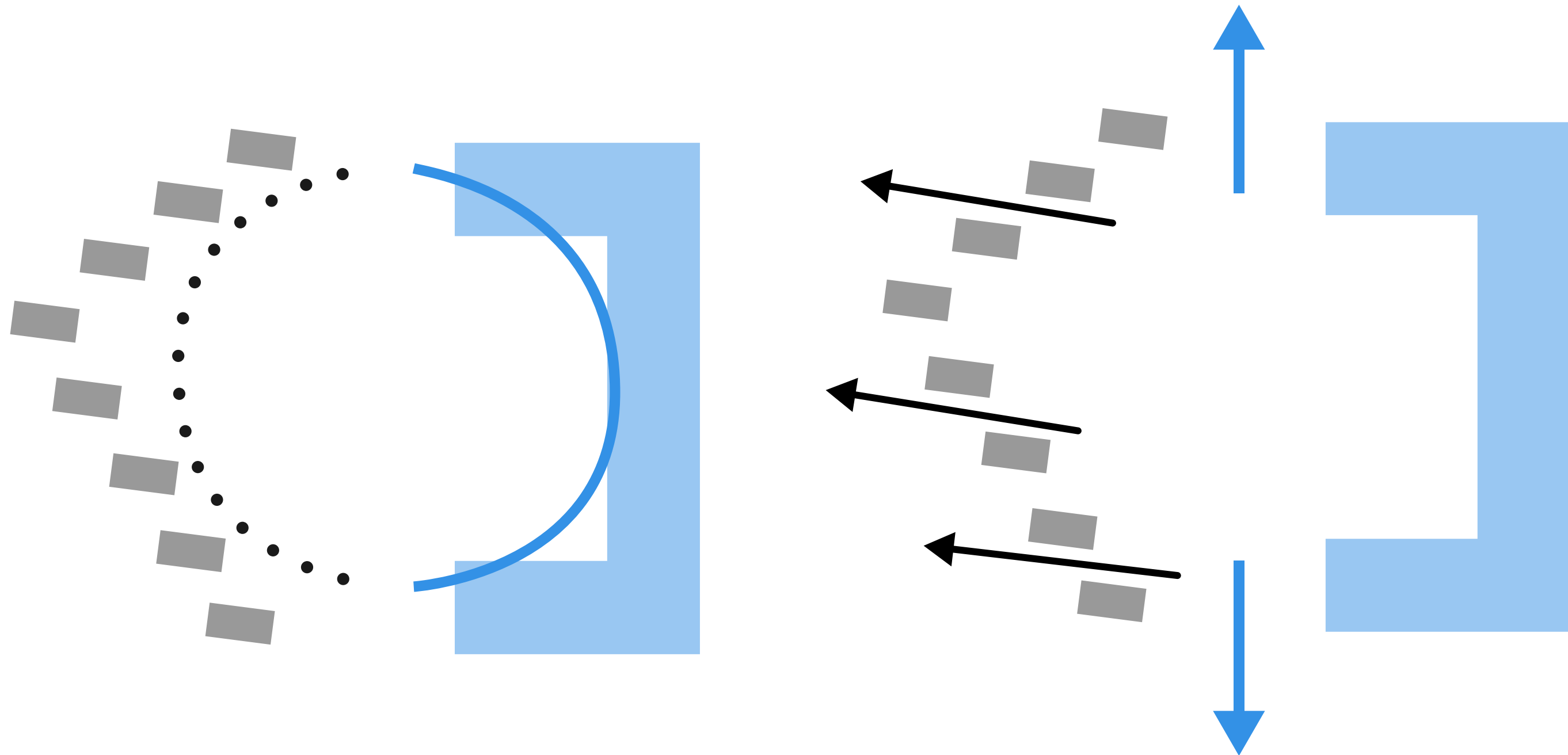
EL PAJARO



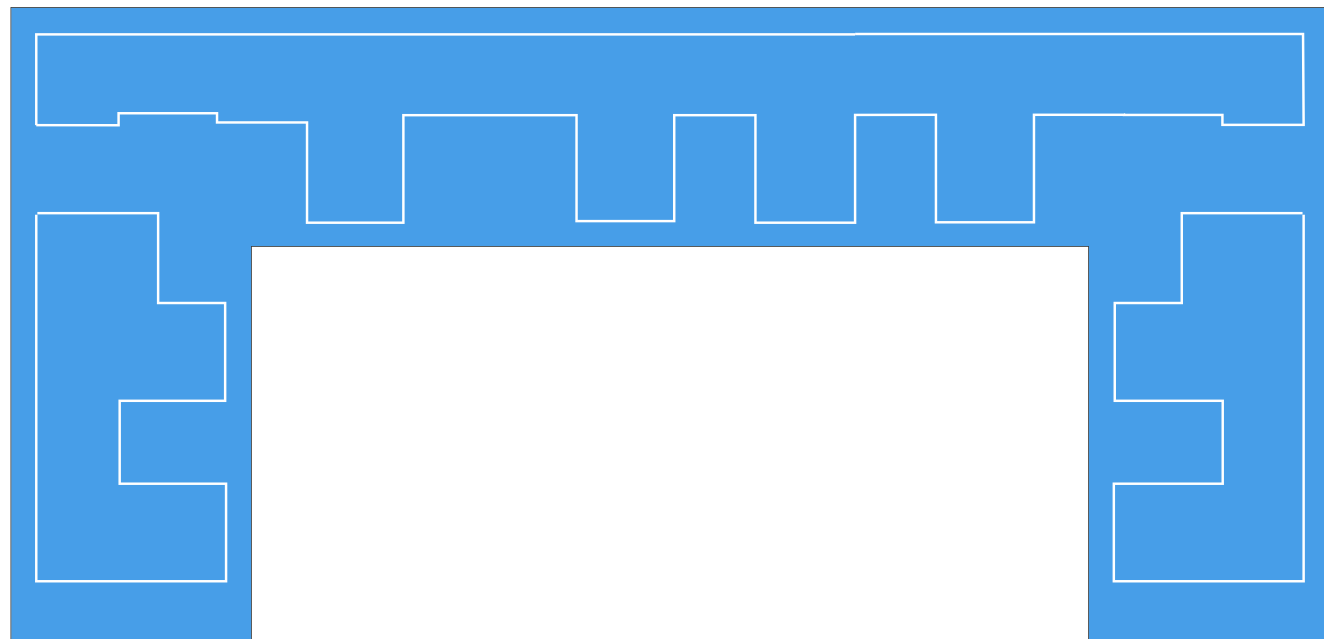
Framing and enclosing a piece of landscape



Patios as a transition area between the landscape and the building



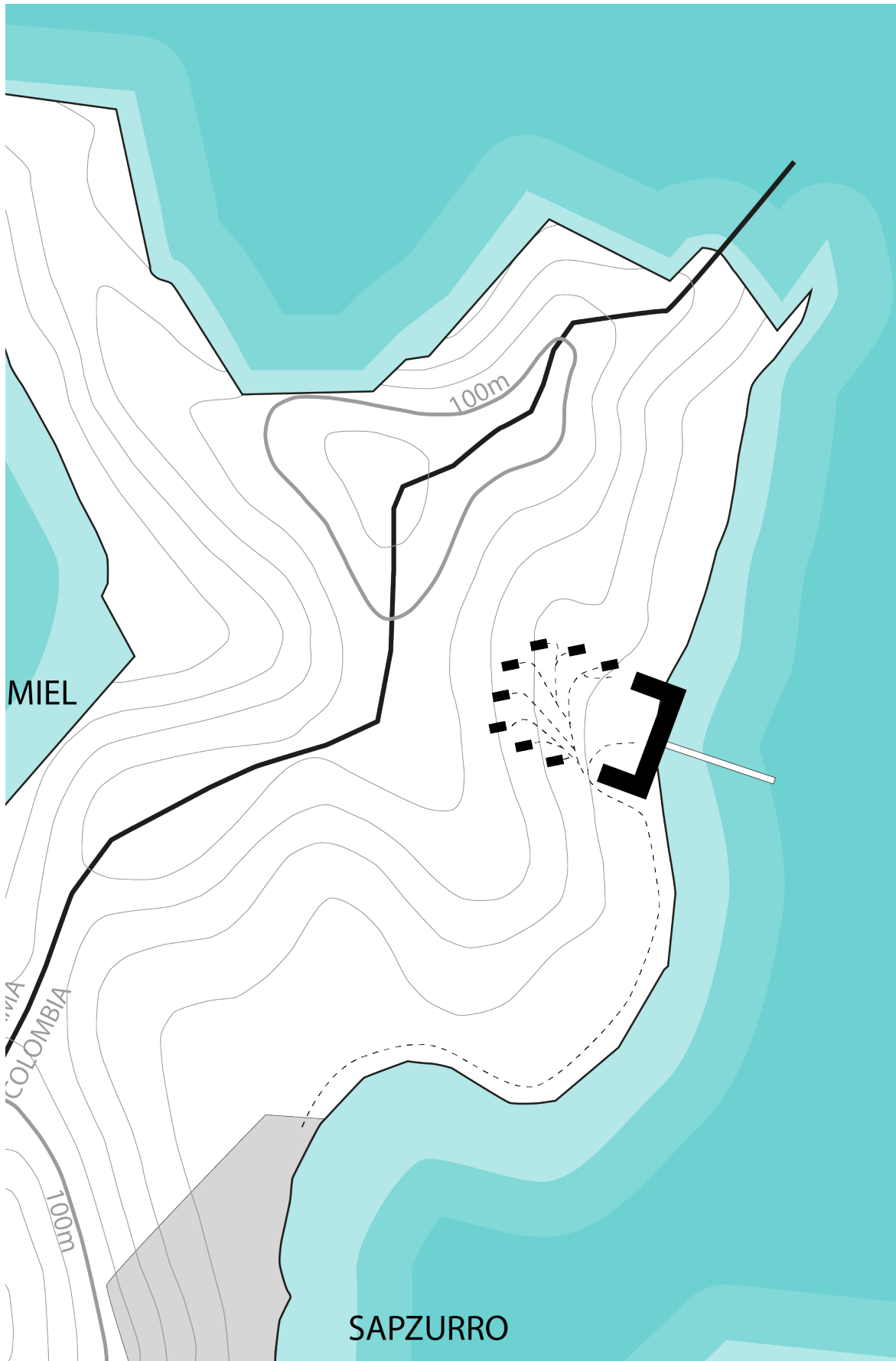
Patios as a transition area between the landscape and the building



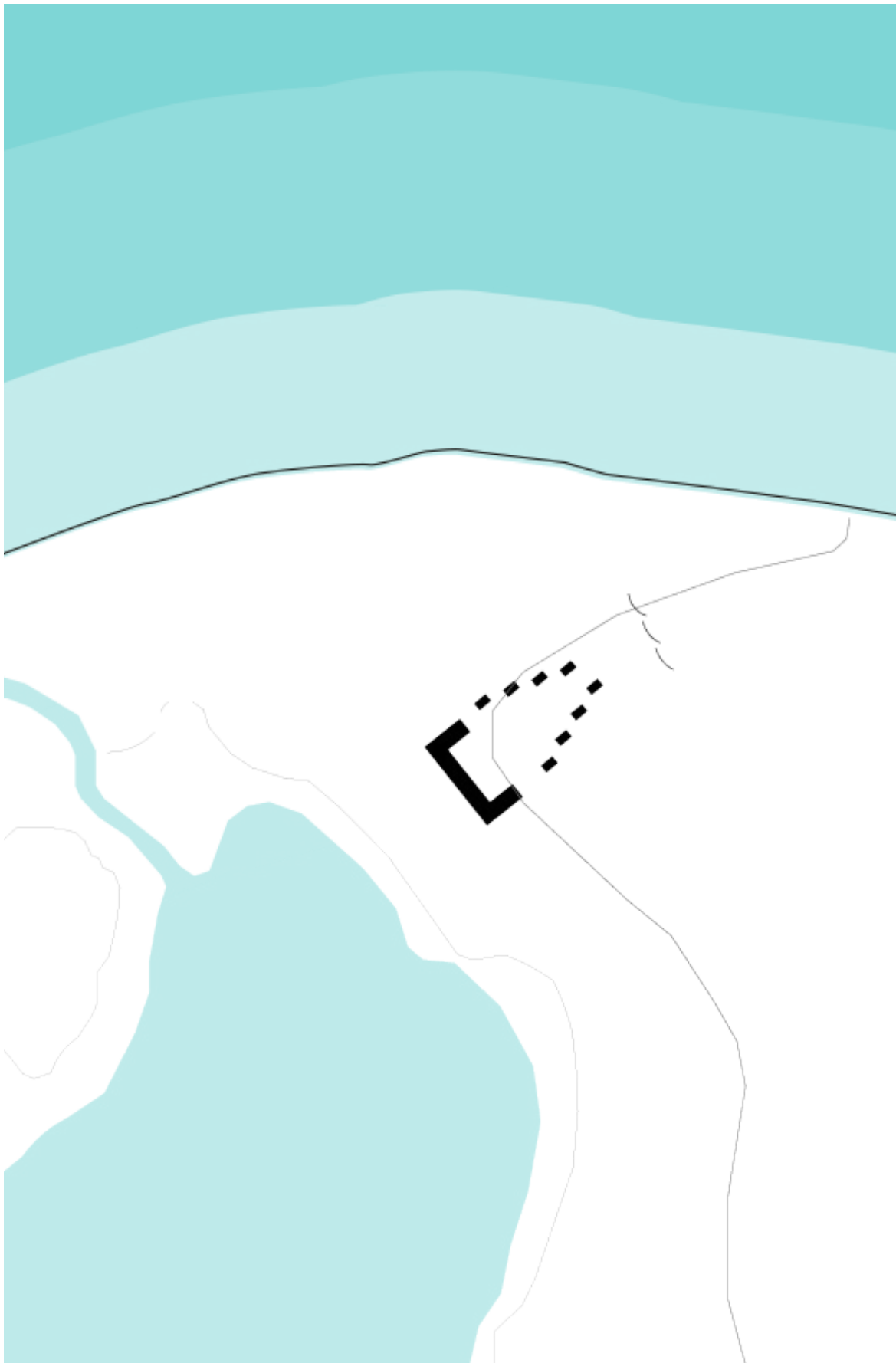
VALLE DEL COCORA

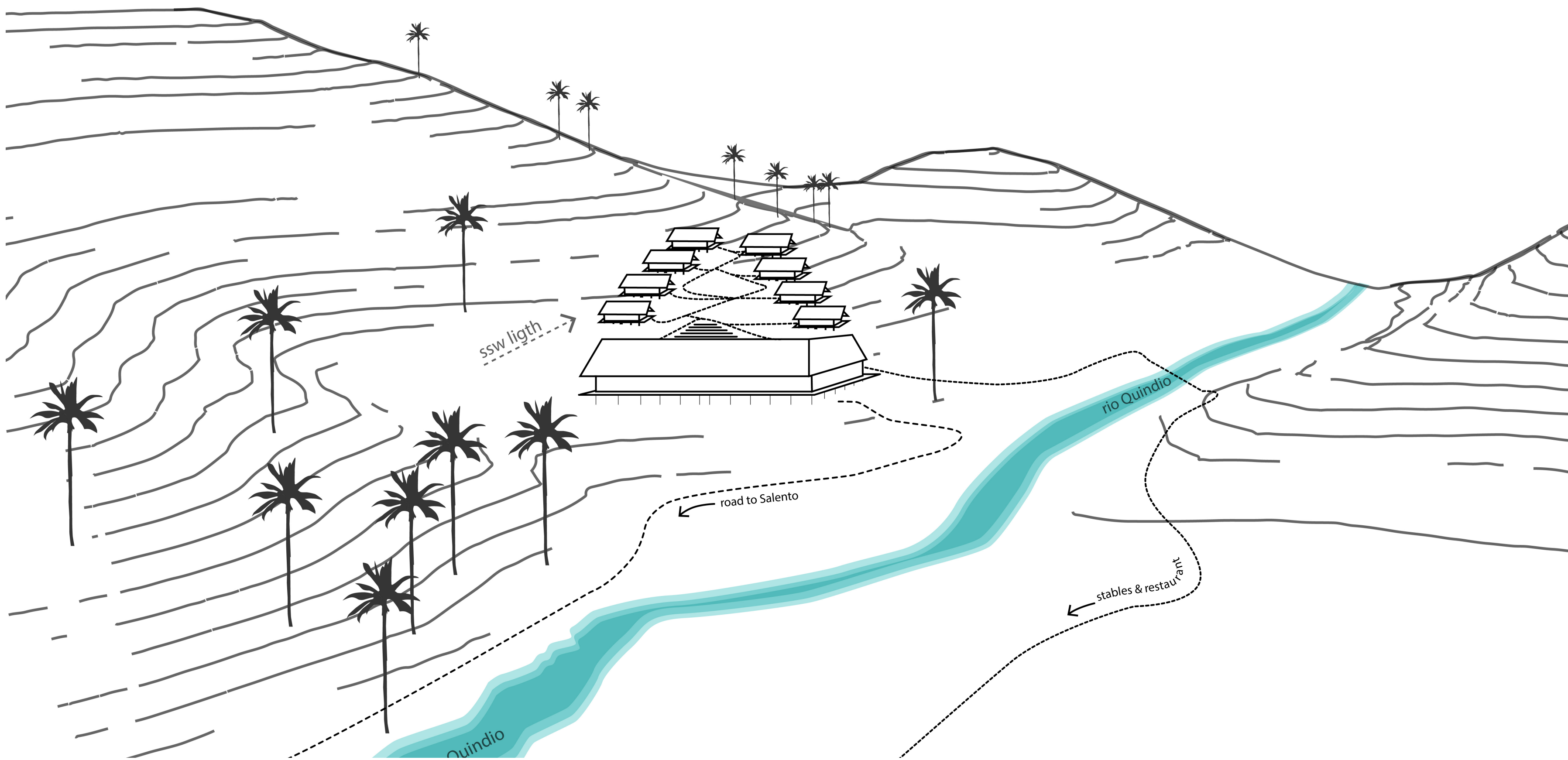


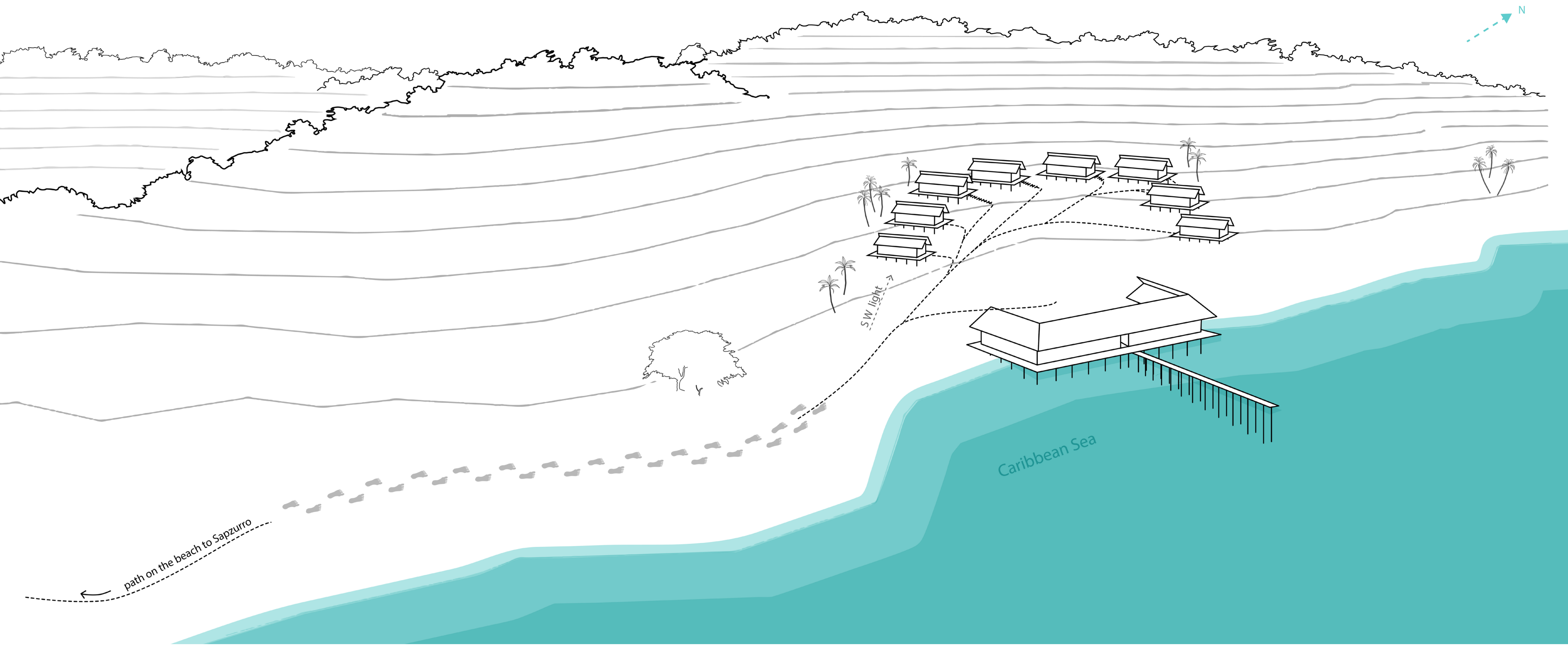
SAPZURRO

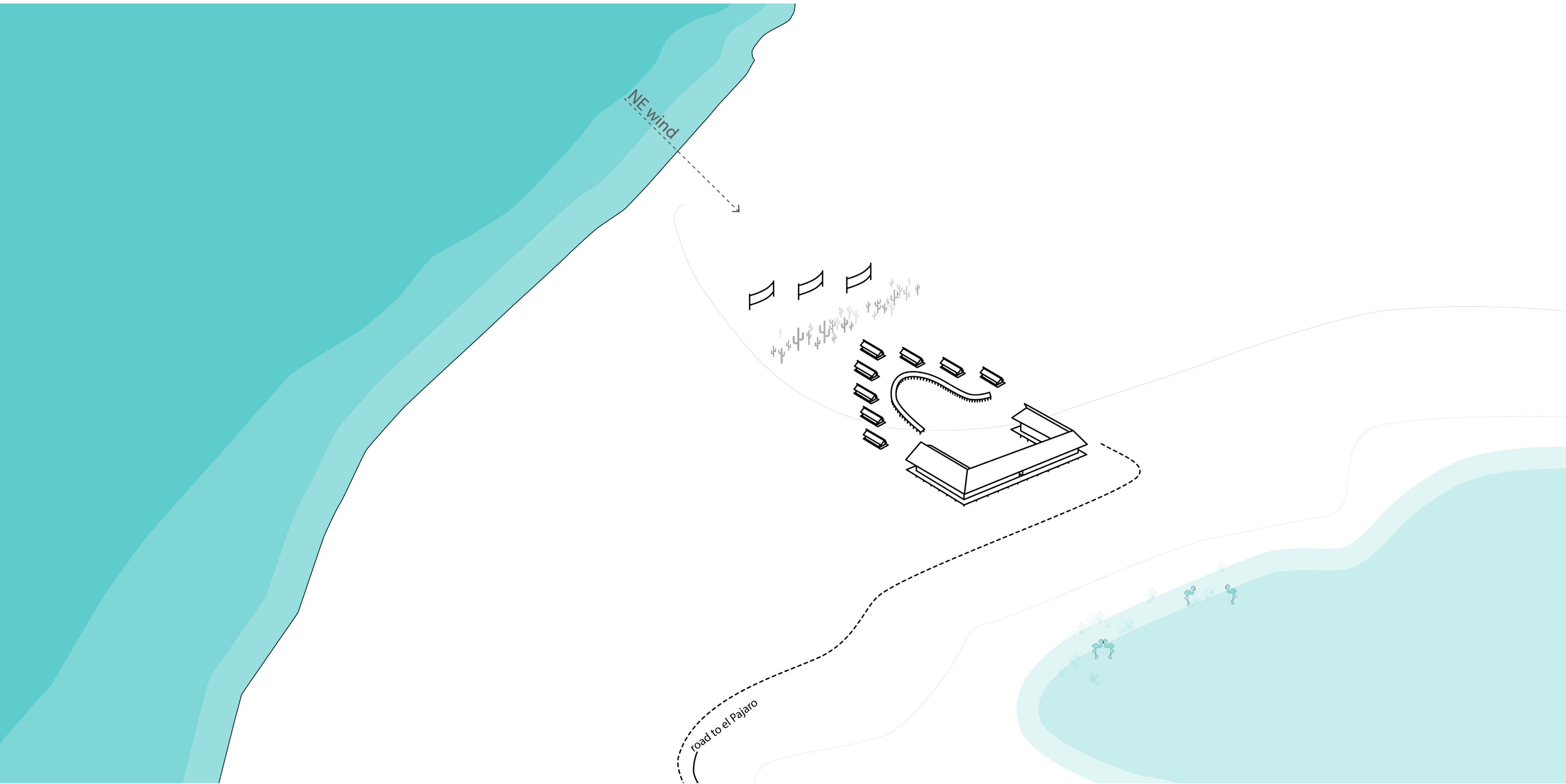


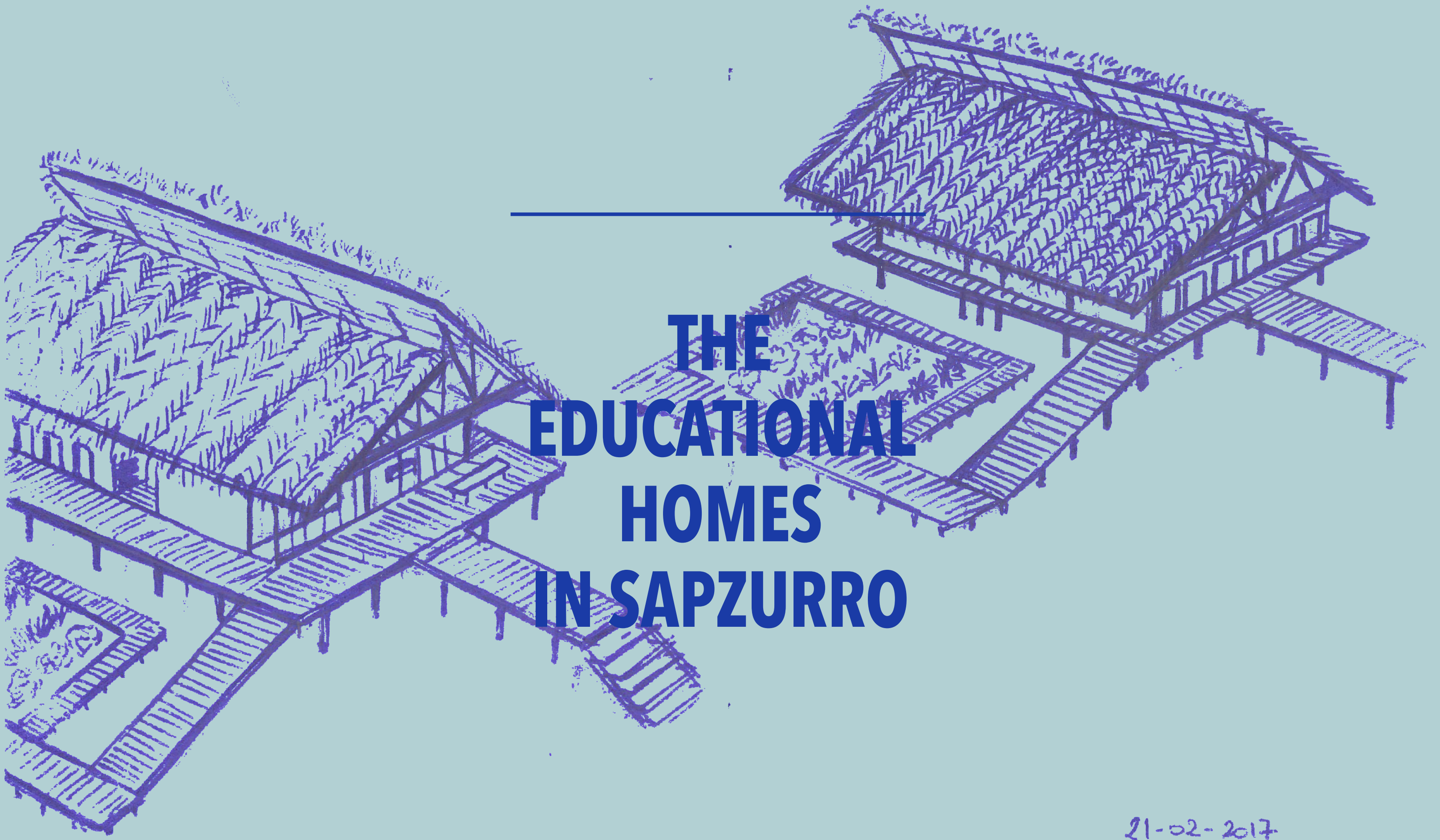
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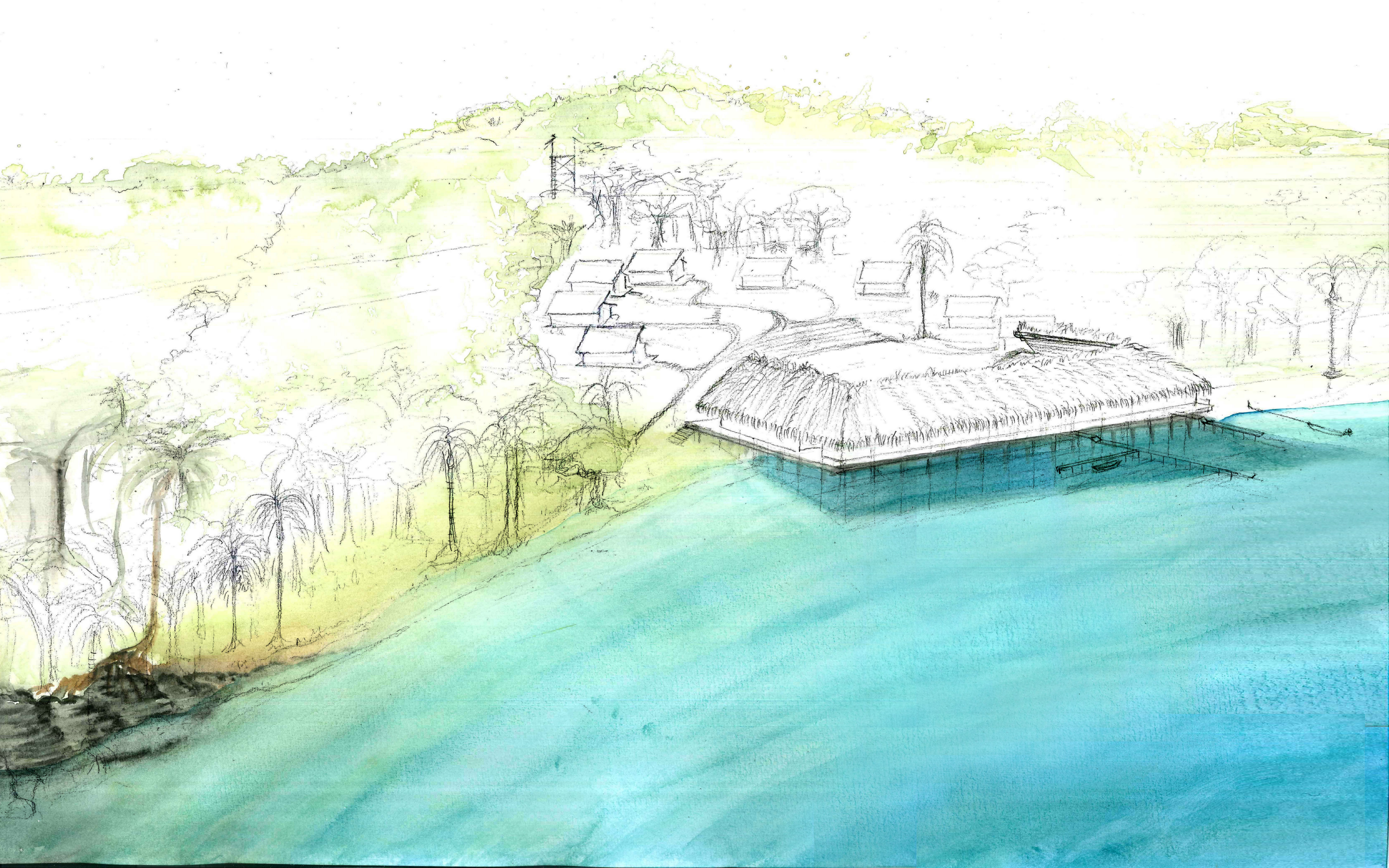






THE EDUCATIONAL HOMES IN SAPZURRO

21-02-2017









THANK YOU

**FOR YOUR
ATTENTION**



THE COMMON HOUSE

VOLUMES ON AN ELEVATED CONTINUOUS FLOOR

