

Architecture and Identity of Place: Combining Inspiration, Creativity and Context

Thursday, June 21, 2018

4:00 - 5:00 pm

EX404

1.00 LU HSW RIBA

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Speakers:

Mr Nicola Leonardi,

Founder, Publisher and Managing Editor

Mr Luca Puggioli,

Editor, Marketing and Events Dept.

THE PLAN Magazine

Bologna-Italy

Description:

How do the world's top contemporary architects combine inspiration, creativity, and context? Analyze the work of architects currently working in various continents through projects that most successfully exemplify their architectural vision.

A common element at the center of the work of these designers is attention to the identity of the place and the environment. This identity encompasses both the cultural and social to varying degrees, depending on the architect. Don't miss this creative exploration of vision and identity around the globe.

Course / Learning Objectives:

Discover the design strategies and methods used by architects to harmoniously incorporate the buildings into the landscape with minimal environmental impact

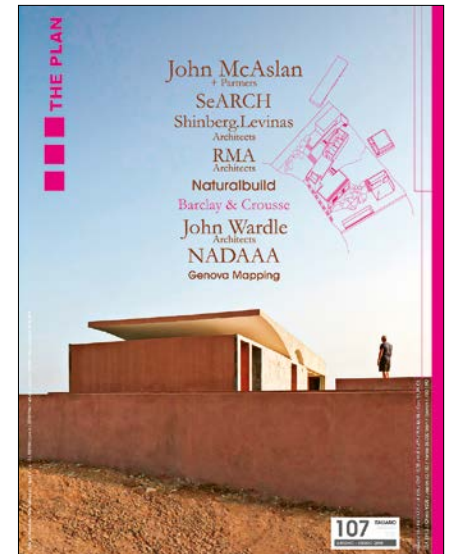
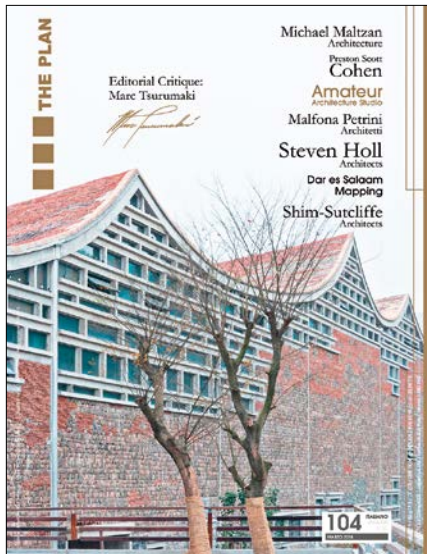
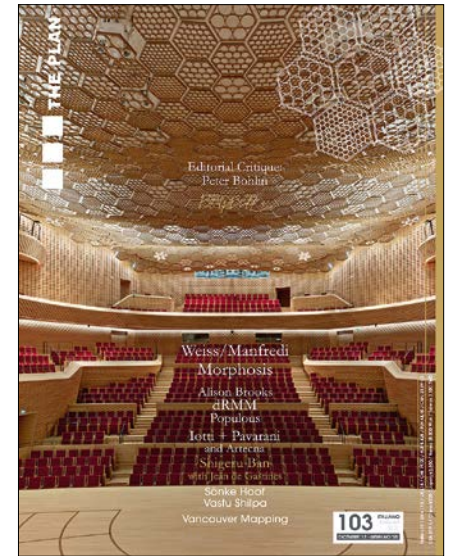
Analyze the design process used to create specific architectural forms

Discuss how the culture of each place was interpreted into the vision for the work

Explore the natural features considered when planning the spatial layout of these structures

THE PLAN magazine:

The Plan is one of the most extraordinary architecture magazines ever produced. For its readers it is not only a coffee-table magazine but also a useful working tool. Tycoons of the architecture international scene as well as new young talents discovered by the Committee of The Plan, are beautifully presented through images and technical drawings: showing the transformation from design to realisation. A deep presentation of architectural materials produced by the industry is proposed through this colourful journal. Alongside the in-depth architecture articles, new design and in particular practical industrial design, features. A magazine with legends to the constructive detail drawings!

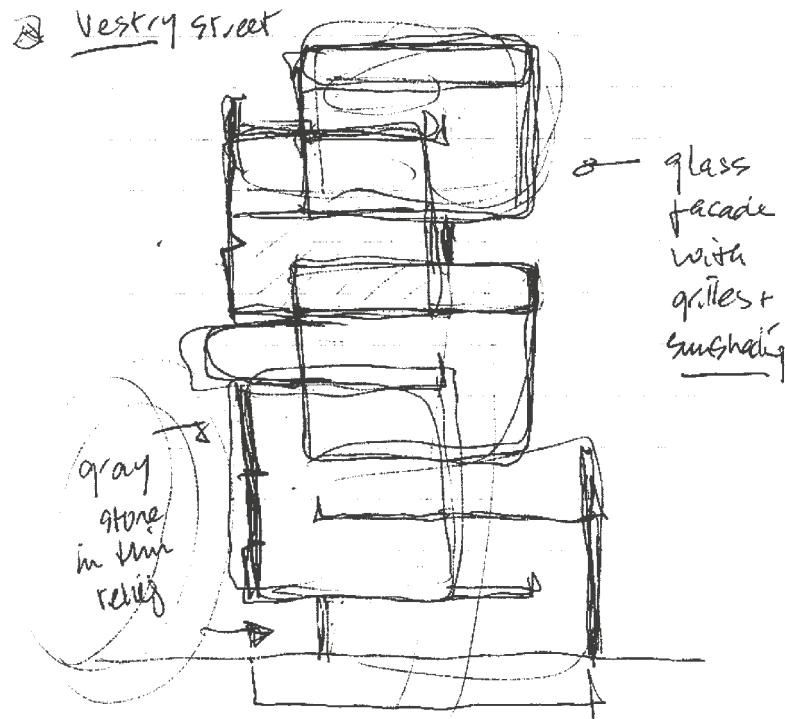


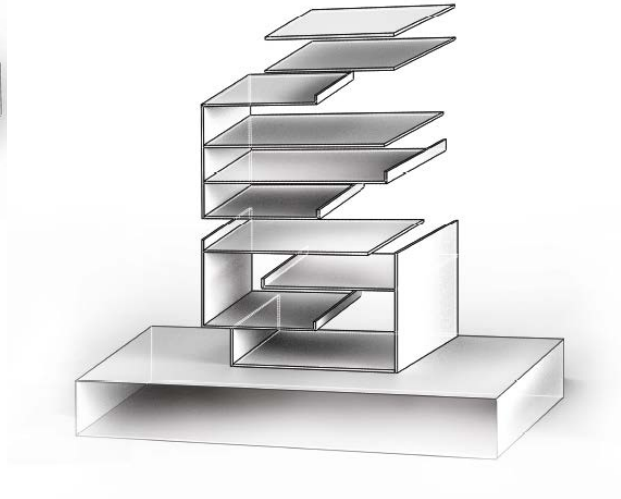
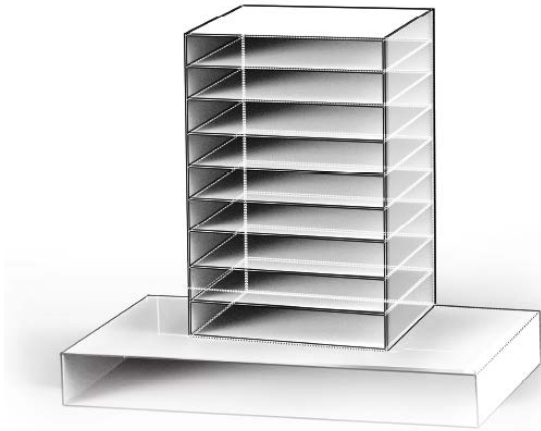


33 Vestry Street
New York City, USA
Archi-Tectonics

Standing out with balanced distinction

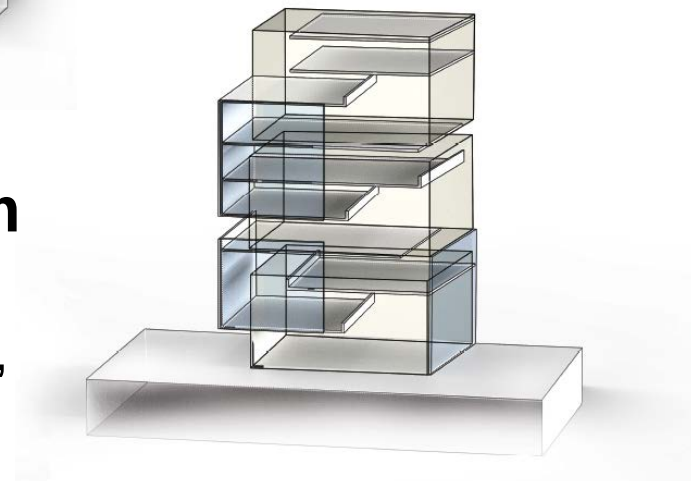
It resonates with its context,
yet marks a departure from
traditional TriBeCa features





More than a traditional condominium

A set of stacked custom-designed townhouses, each with its own identity





An architecture with a dual character

Street façade vs court-facing façade

Hermetic vs bucolic

Linear vs variegated

Rigorous vs permeable

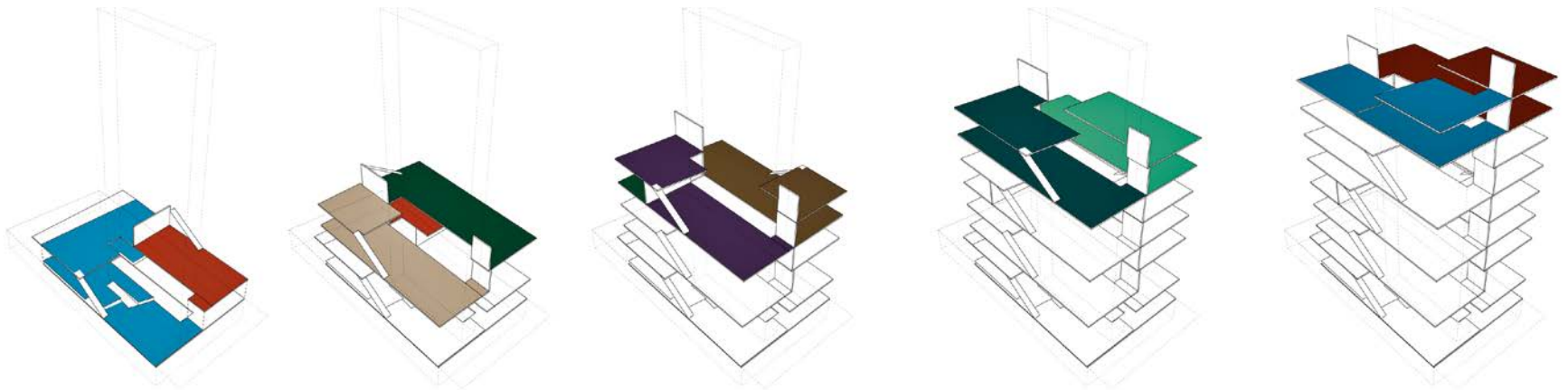


Units layout

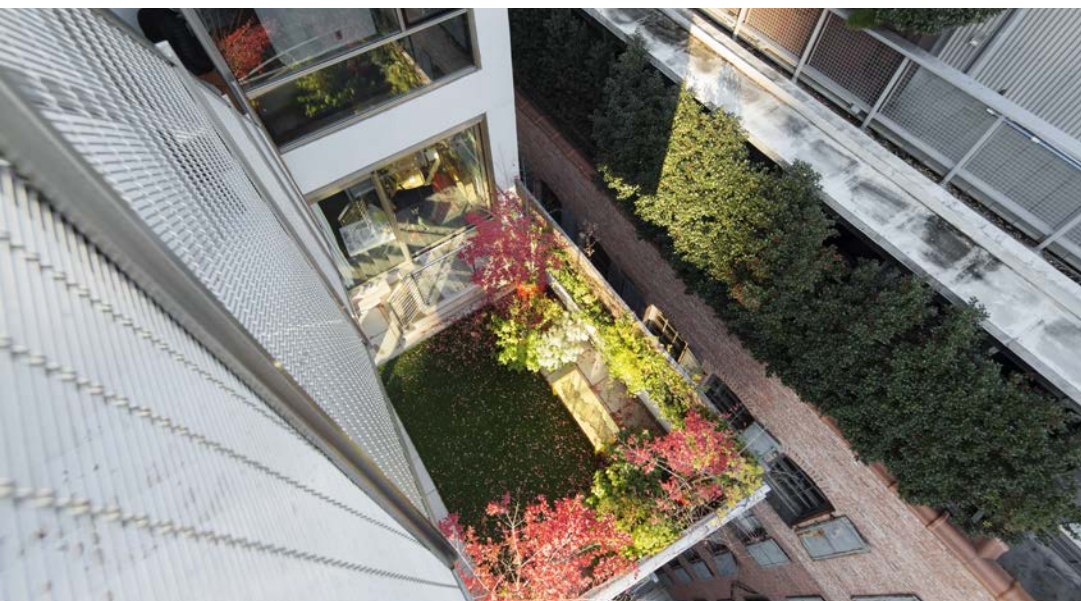
Occupying a whole floor or distributed over two or three levels

Generous size (between 300 and 450 sqm)

North-south orientation over both street and garden









Reale Mutua Headquarters
Turin, Italy
Iotti+Pavarani Architetti with Artecna



Understanding history, renewing the urban fabric

Located in the southwestern part of the city
center, within the orthogonal Roman grid

In dialogue with context

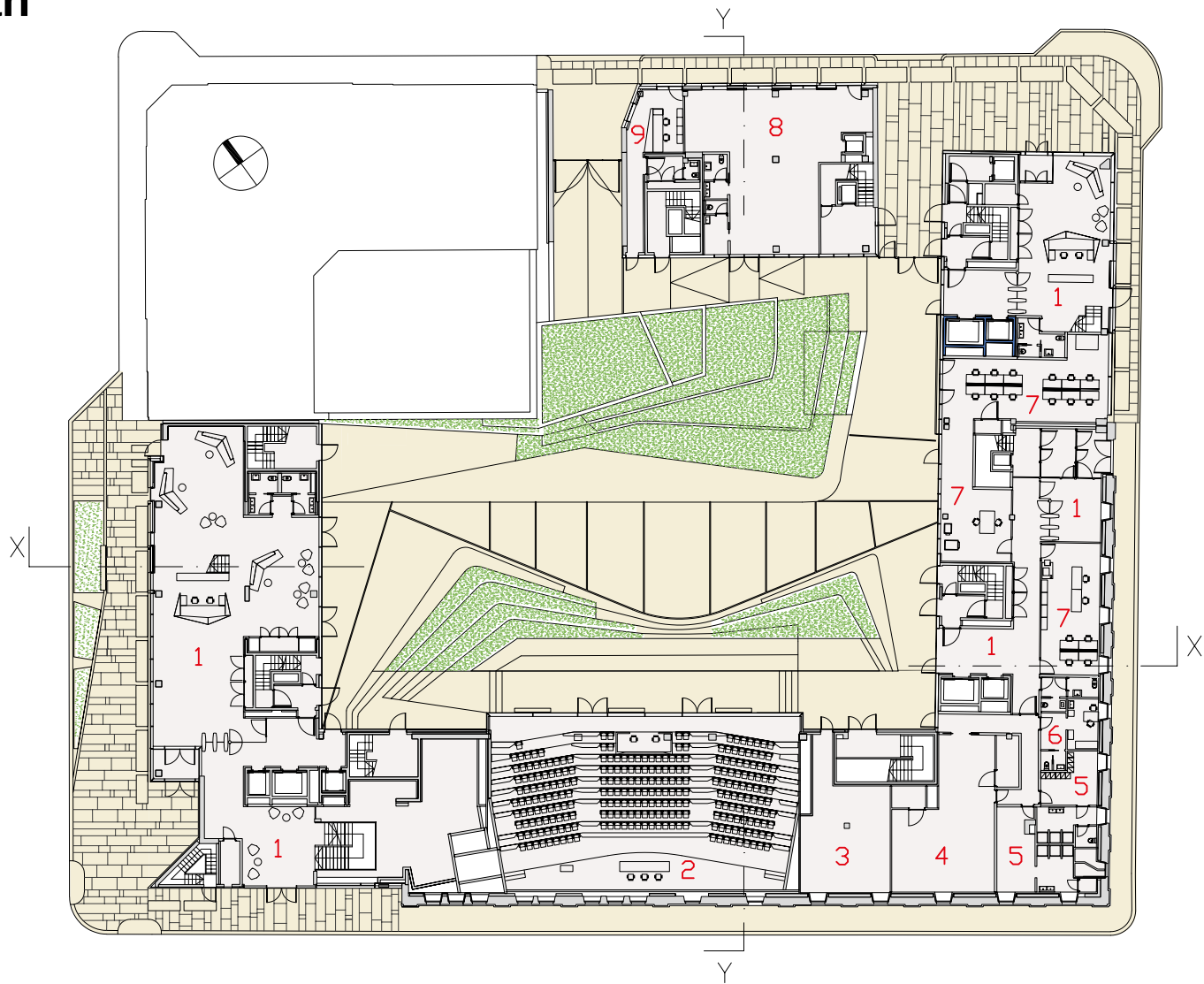


Occupying only the same footprint as the former building, the new one fits in between two other pre-existing condominiums on the block

Ground floor plan

Scale 1:800

- 1- Hall
- 2- Auditorium
- 3- Refuse store
- 4- Bike store
- 5- Locker room
- 6- Infirmary
- 7- Post office
- 8- Café
- 9- Control room



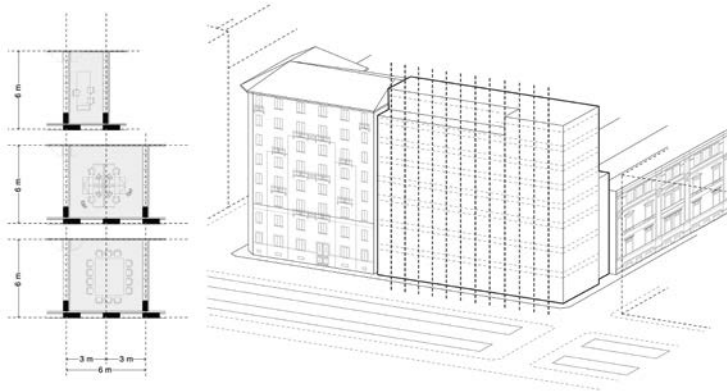




Façade system

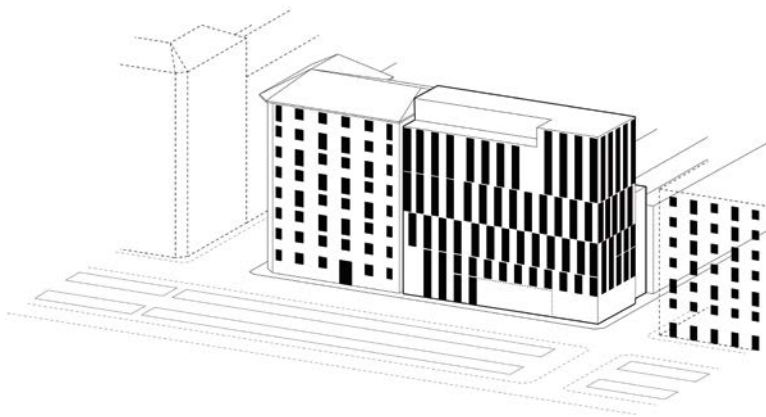
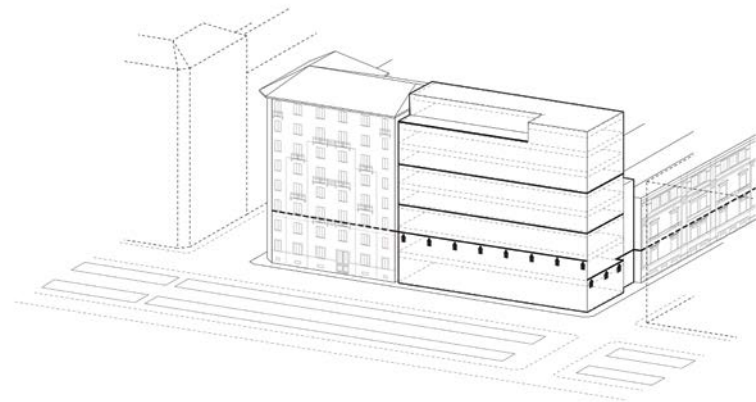
When technology
and urban needs meet
contemporary design



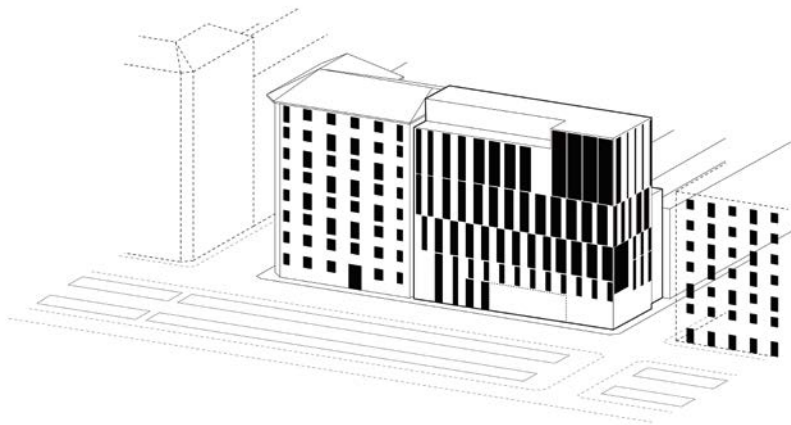


Regular vertical pattern giving rhythm and character to the whole complex

Horizontal divisions that align with the floor slabs of adjacent buildings

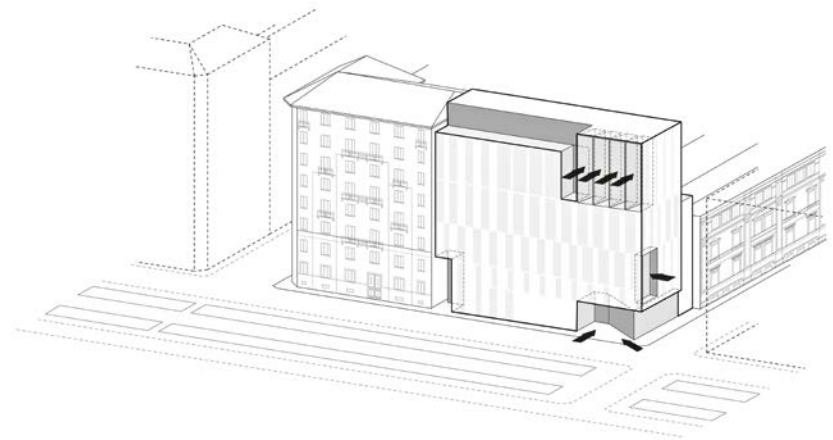


Alternating solids and voids resonate with surrounding urban fabric

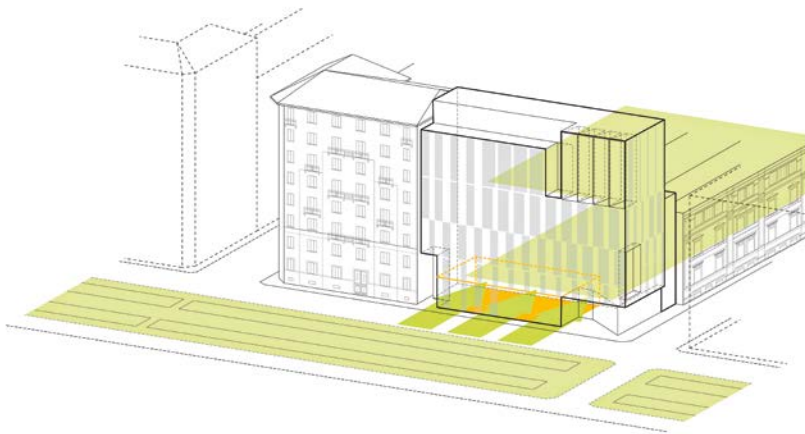


Progressively larger apertures toward the corner, creating dynamic tension and accentuating the corner

Convergence of several lines of perspective



Visual permeability between tree-lined boulevard and inner green court



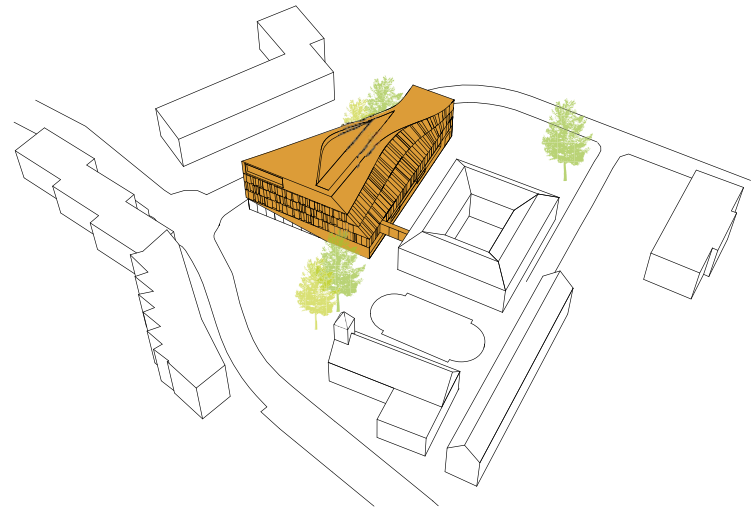
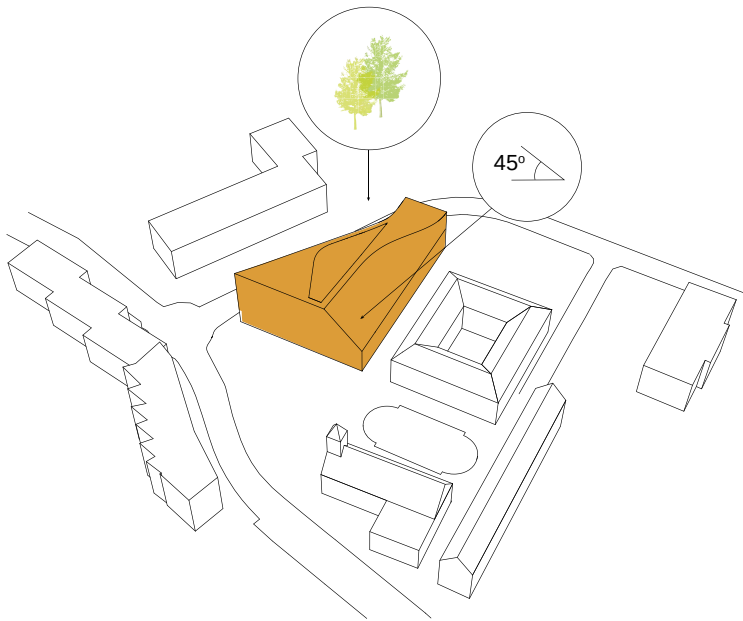
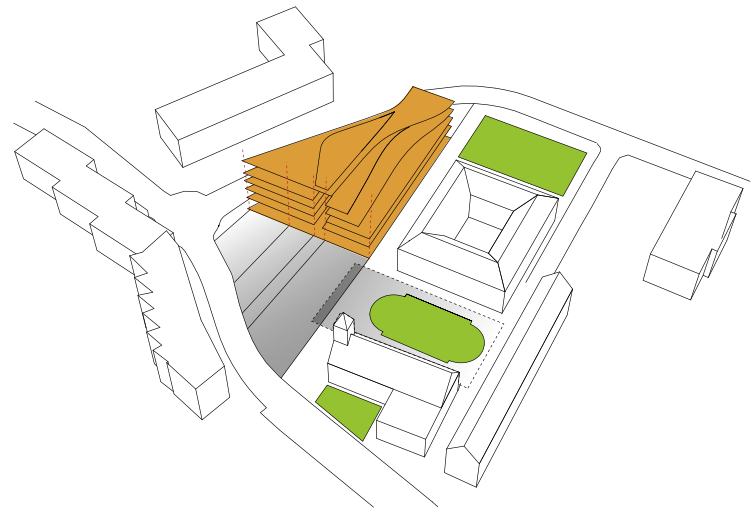
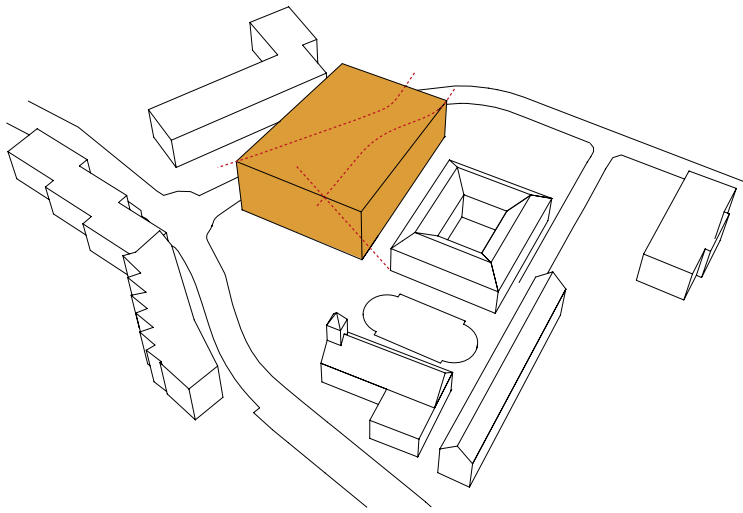


Frederiksberg Courthouse
Copenhagen, Denmark
3XN

**In a contemporary language,
the new volume**
echoes the forms,
colors and materials
of the surrounding
neighborhood

On the side overlooking
a walkway the last
two floors tilt back 45°
creating an airy corridor
from the square to
the road system
beyond the complex

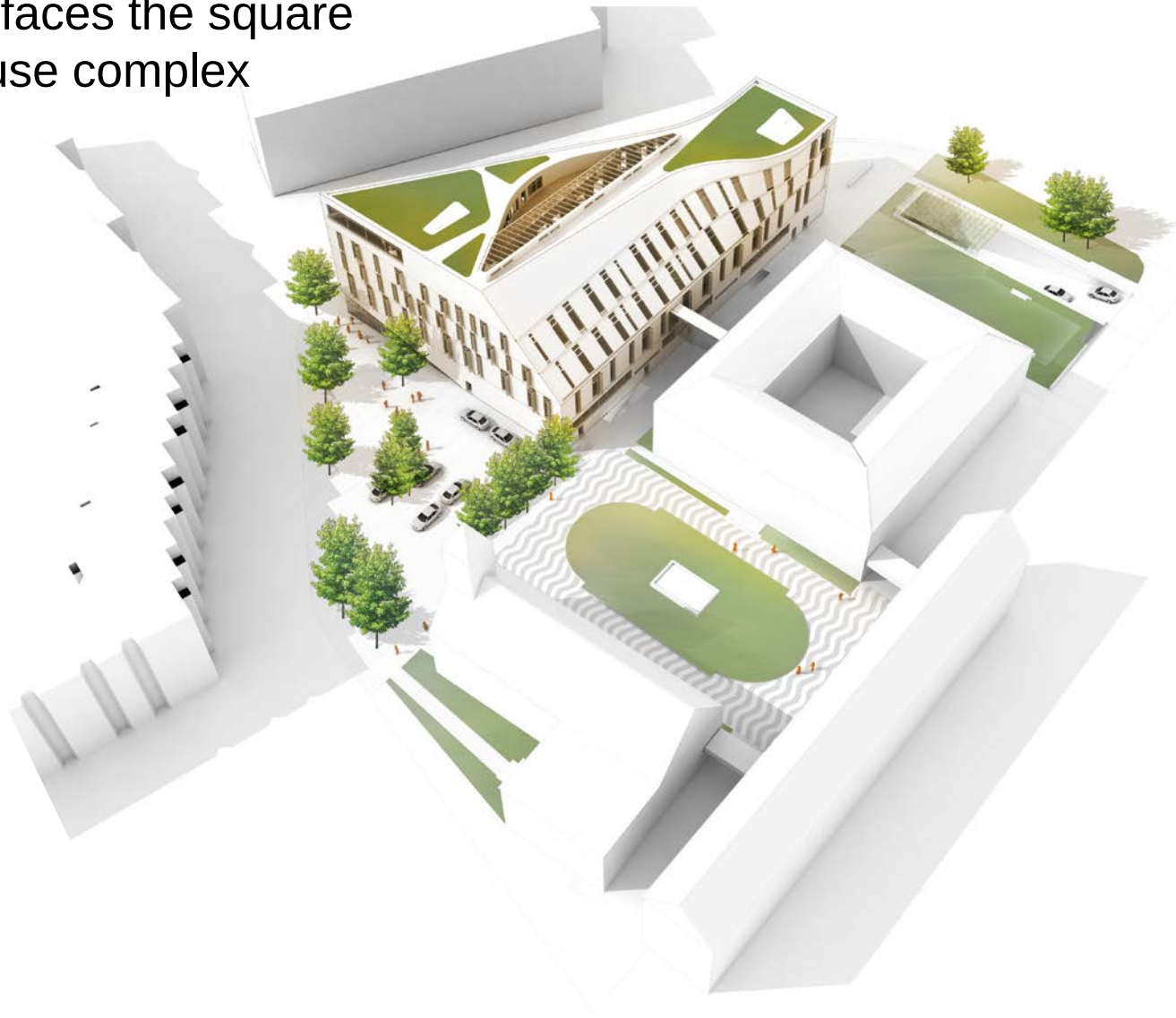




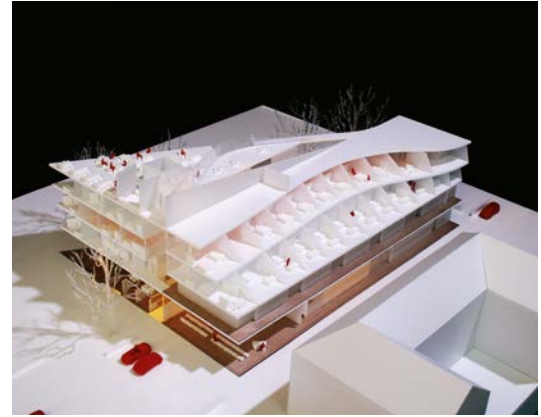
Studies of proposed volume distribution

The new volume yields to the shapes of the adjacent buildings matching them in size and proportion

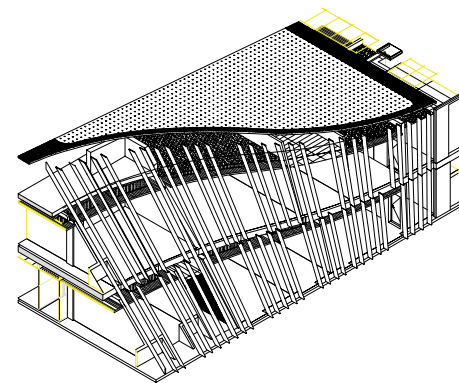
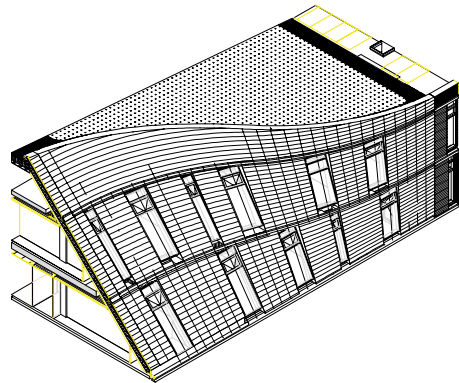
The trapezoid footprint conforms to the perimeter of the allocated plot. One of the long sides runs parallel to the existing building and court, while one of the short sides faces the square in front of the courthouse complex and nearby church



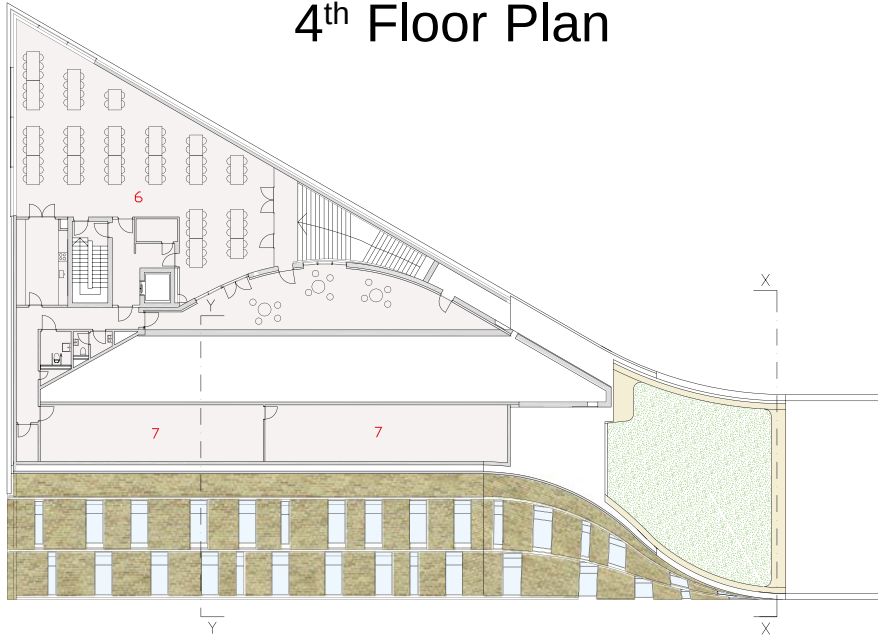
Competition model: night views and exploded view



Axonometric view of façade structure



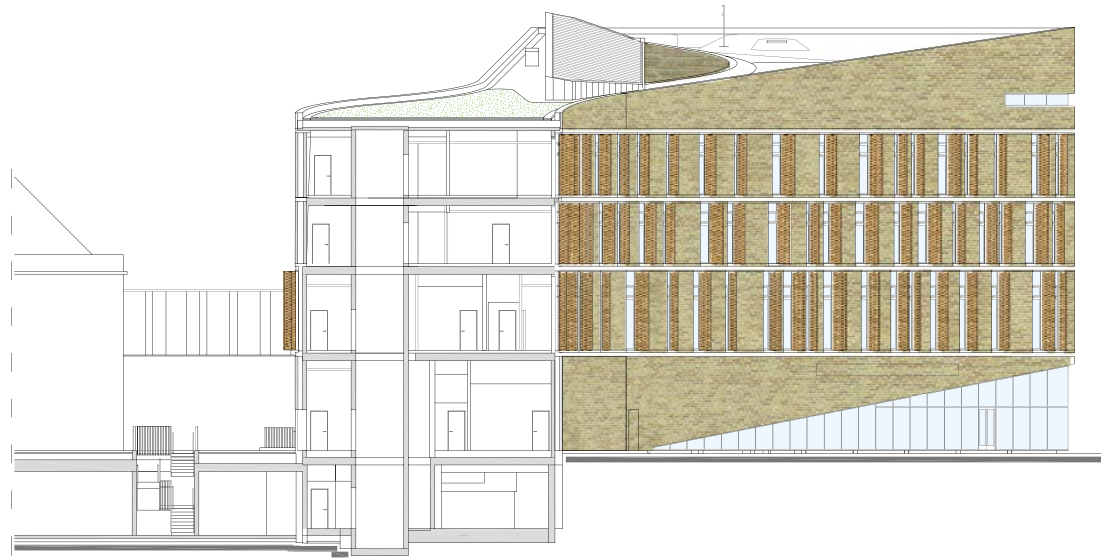
4th Floor Plan



All office environments
overlook a narrow central atrium that
draws light deep into the building

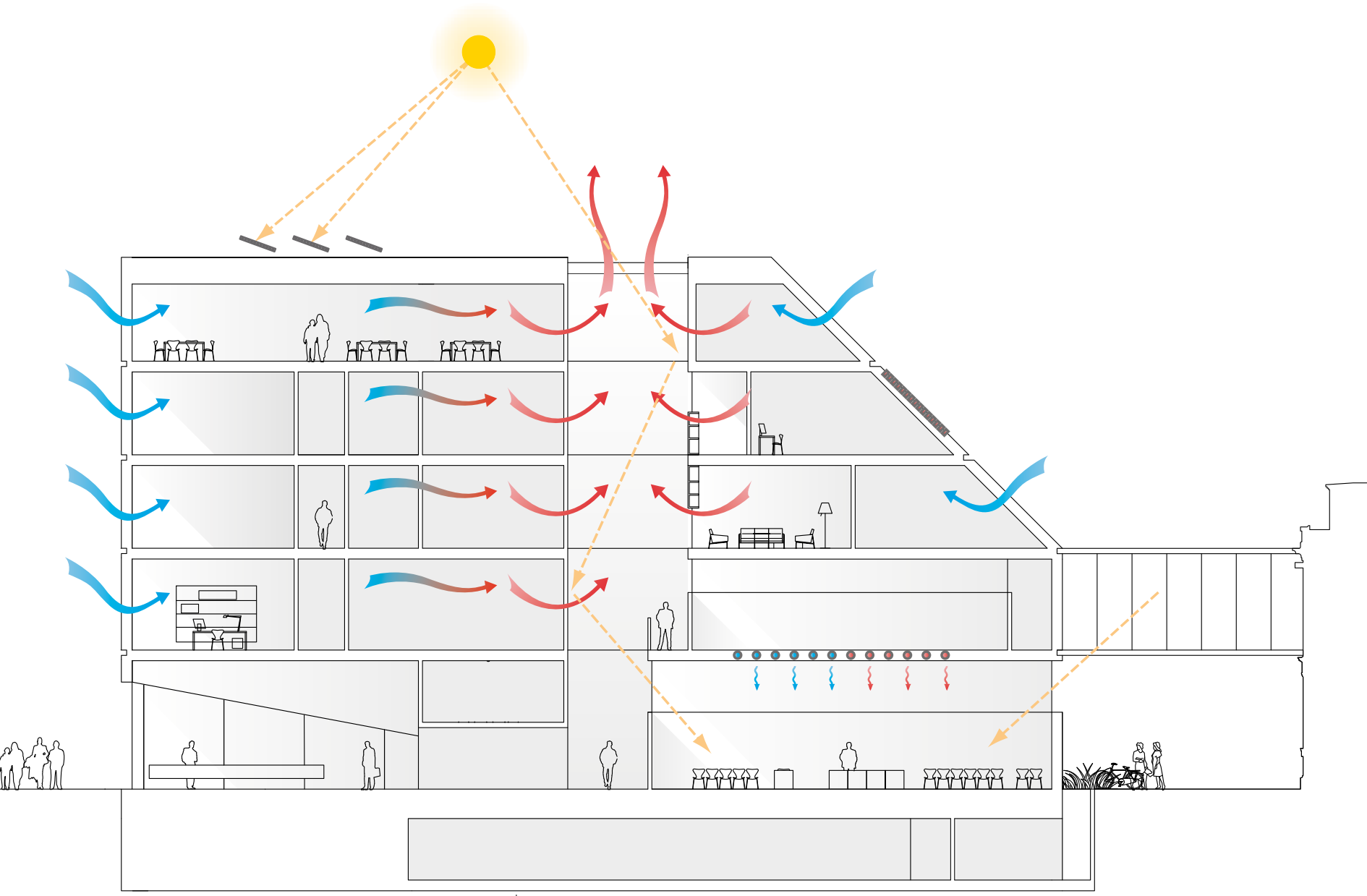


Communal spaces
are rigorously white
while working environments
and internal corridors
are in warmer
more welcoming colors

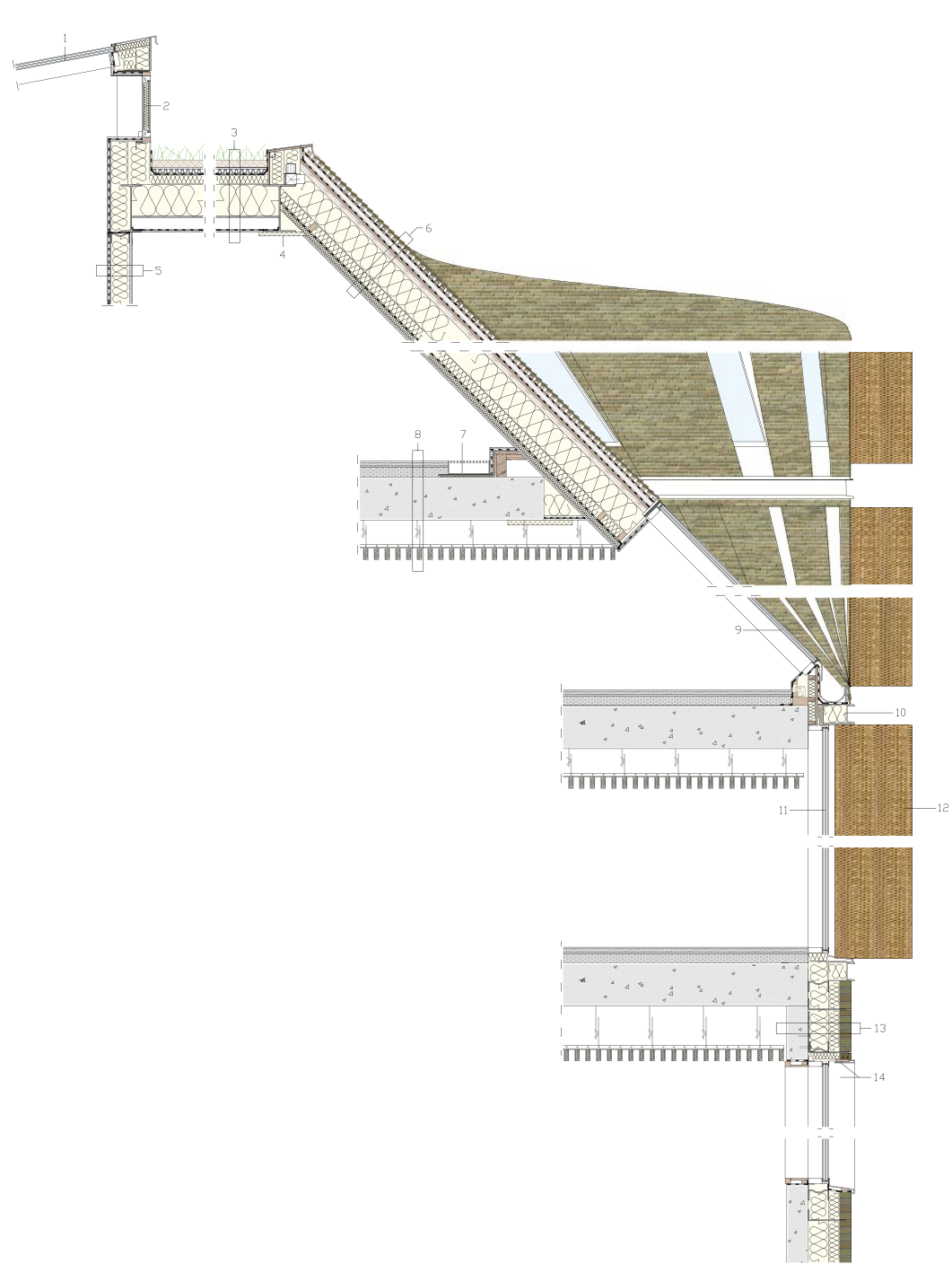
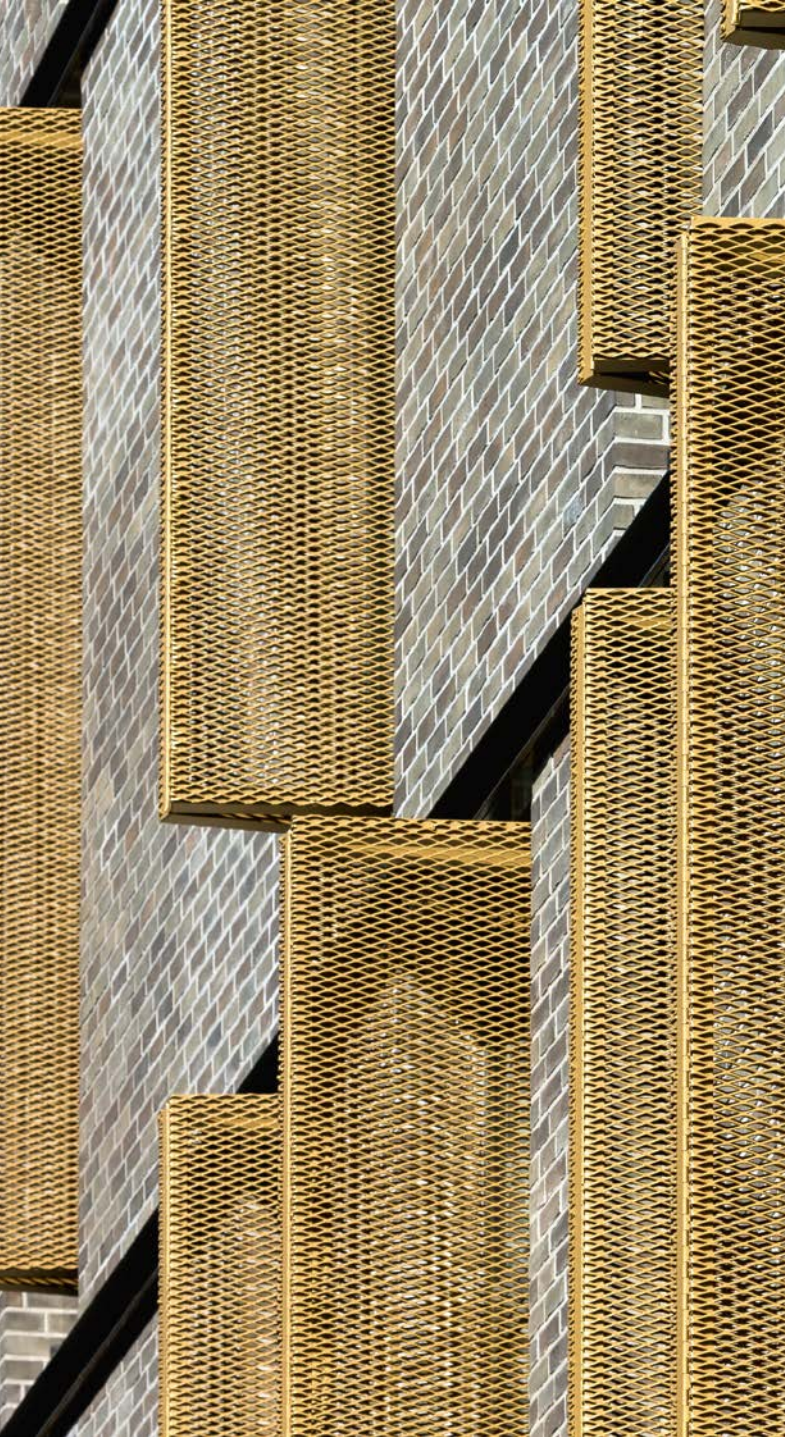


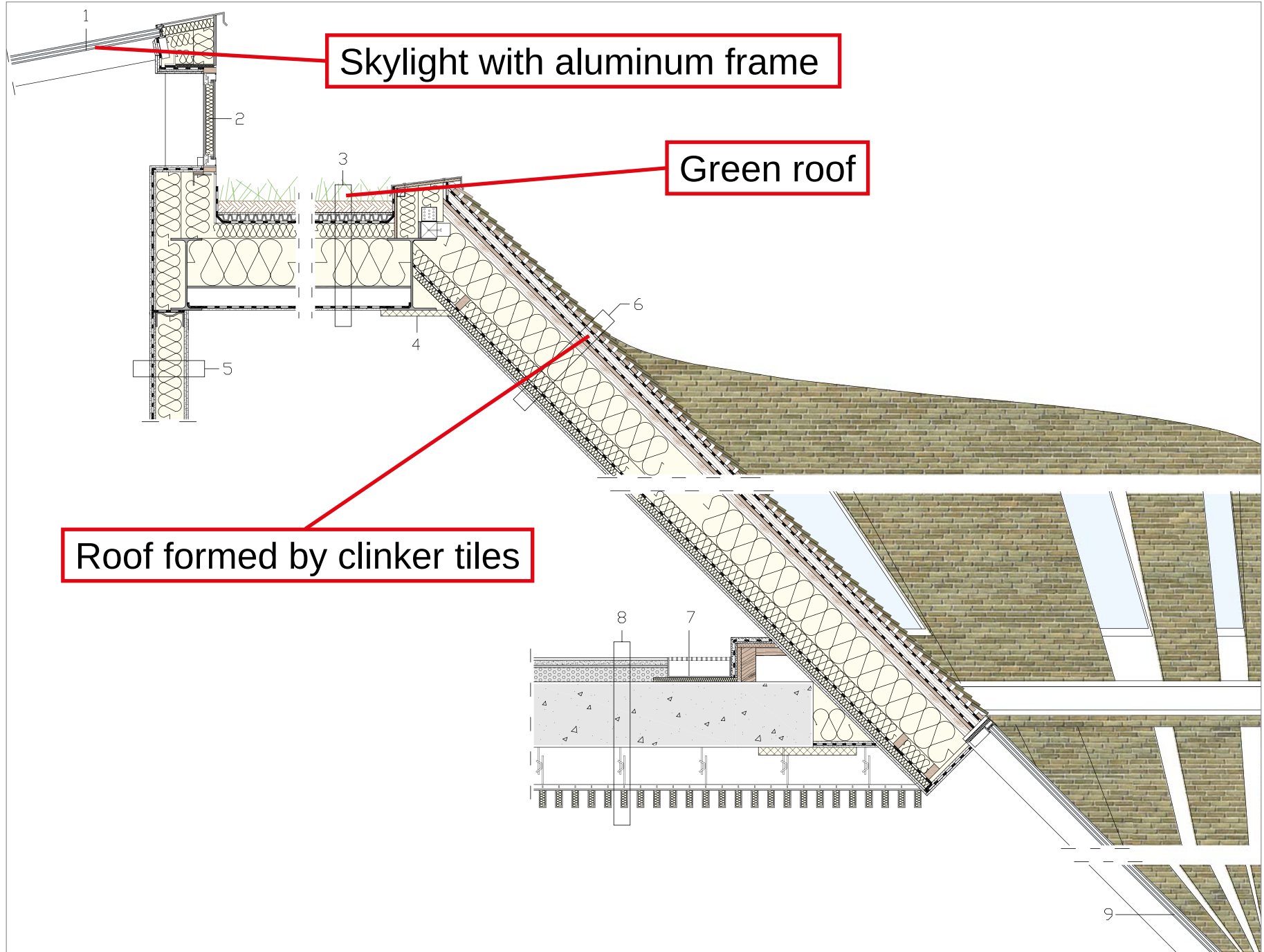
XX Section





Cross-sectional view of natural ventilation and heating





Skylight with aluminum frame

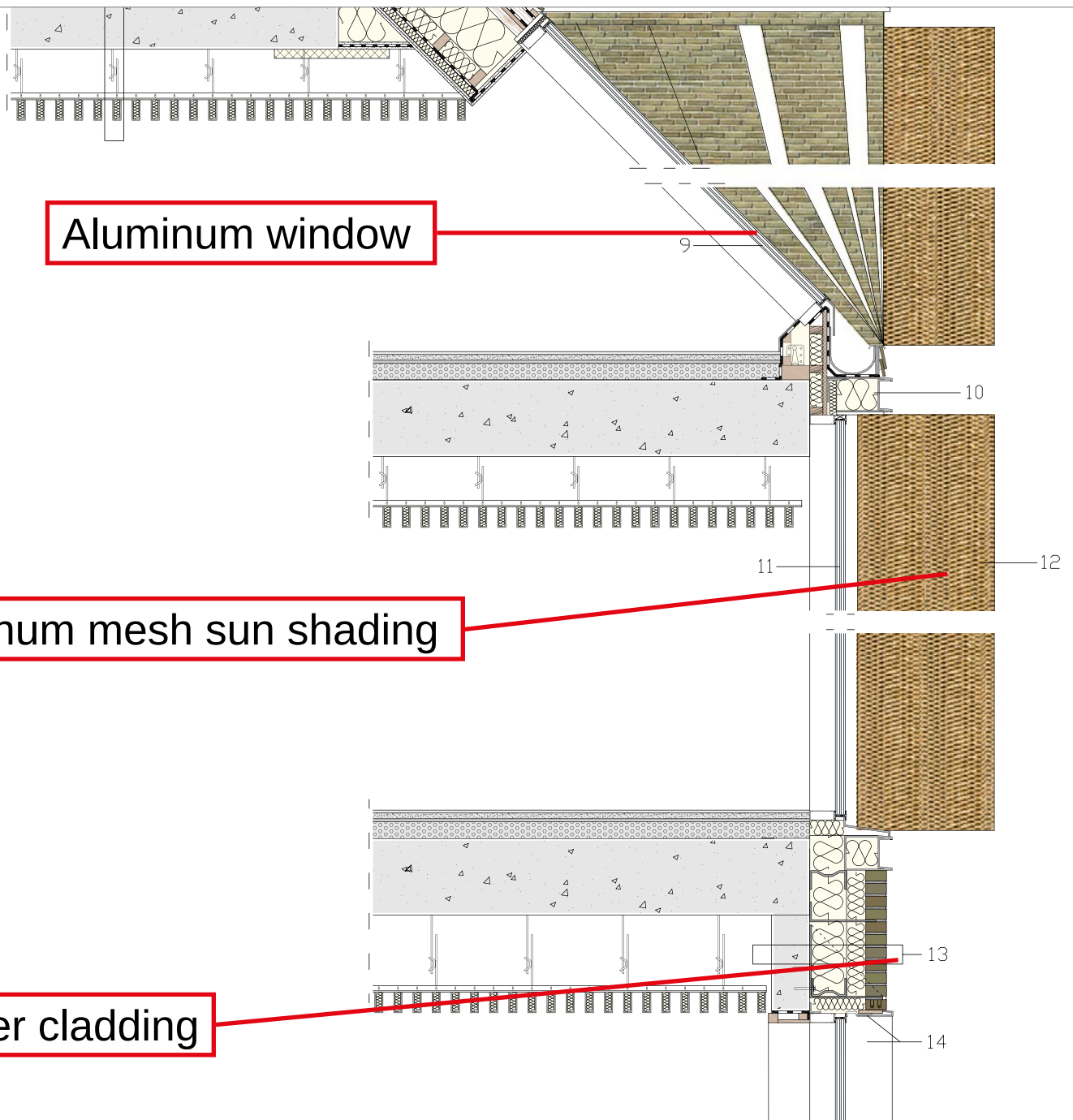
Green roof

Roof formed by clinker tiles

Aluminum window

Side-hung aluminum mesh sun shading

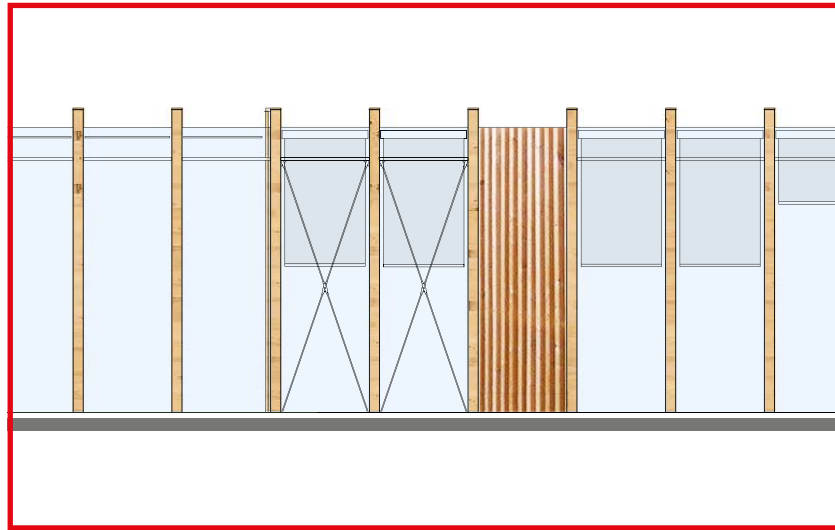
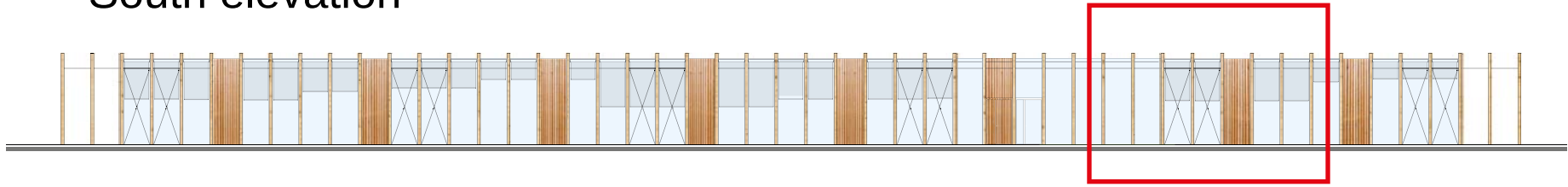
Clinker cladding





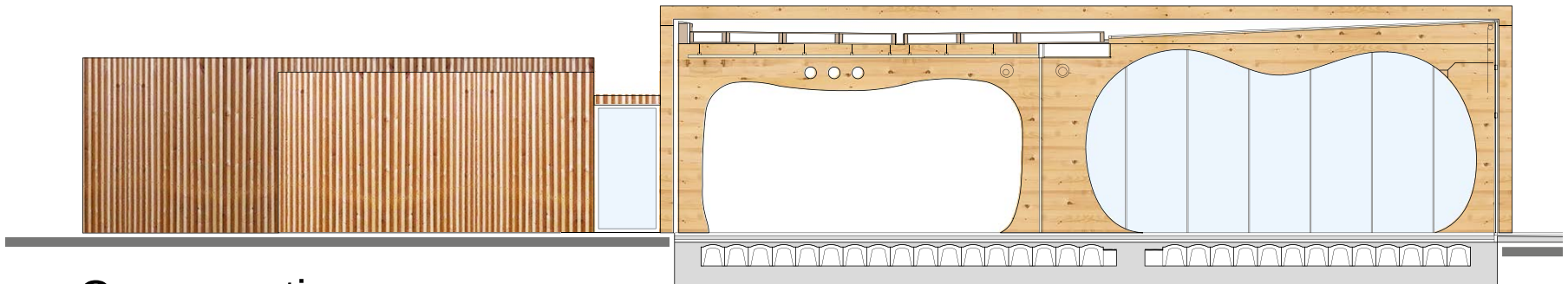
Municipal Nursery School
Guastalla, Italy
MCA - Mario Cucinella Architects

South elevation

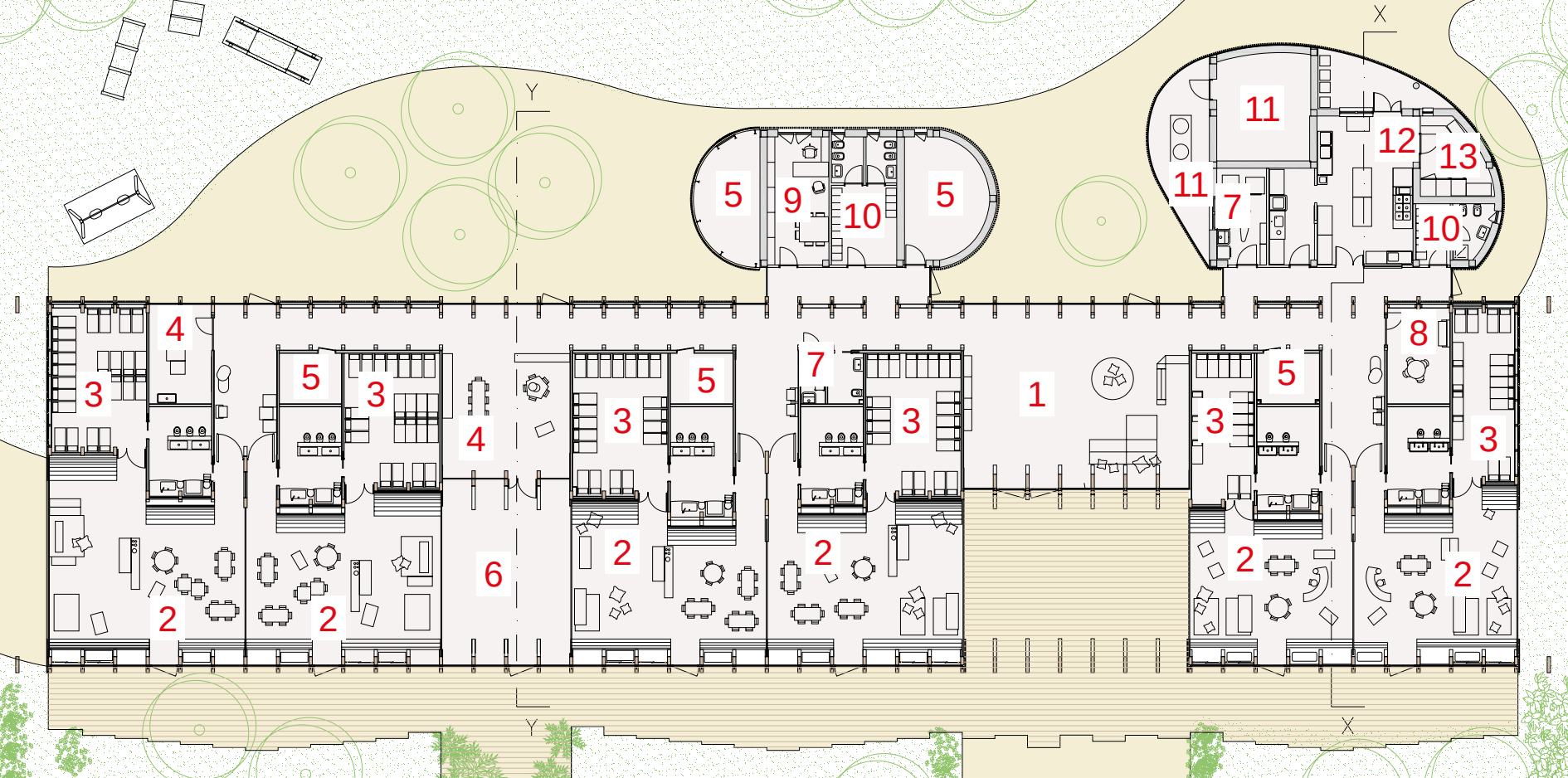


Simple layout

Repetitive proposition of timber partition walls, divided by translucent and transparent surfaces



Cross section



- 1- Entrance
- 2- Classroom
- 3- Sleeping area
- 4- Workshop
- 5- Storehouse
- 6- Winter garden
- 7- Laundry

- 8- Parents area
- 9- Office
- 10- Dressing room
- 11- Plant room
- 12- Kitchen
- 13- Pantry
- 14- Loading area



Space perception

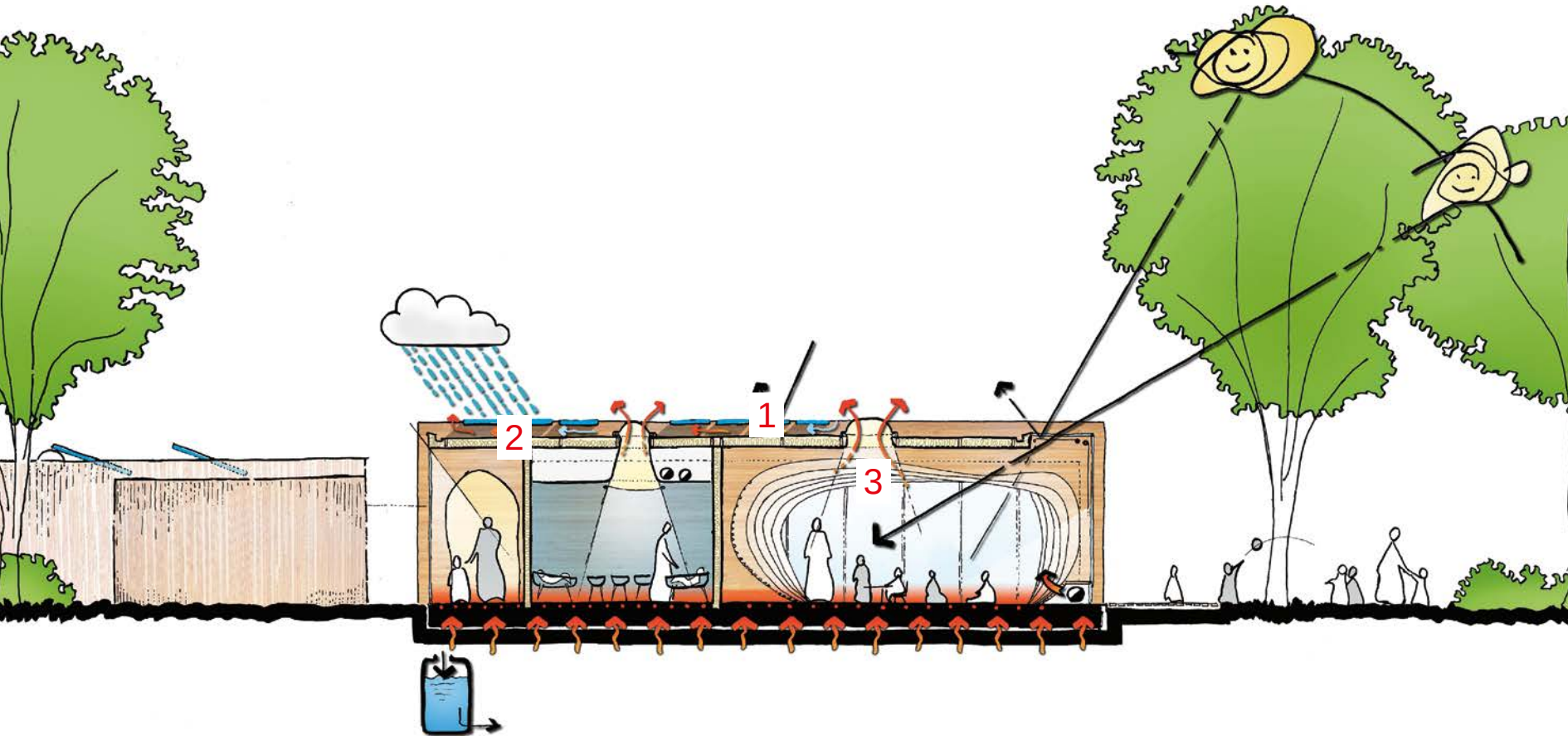
Simple and linear layout visible from outside is overturned by curves and glazed walls



Spatial continuum
The nursery becomes
a womb or a whale mouth

Energy efficiency achieved through:

- 1- Photovoltaic panels
- 2- Rainwater collection system
- 3- Natural light and ventilation





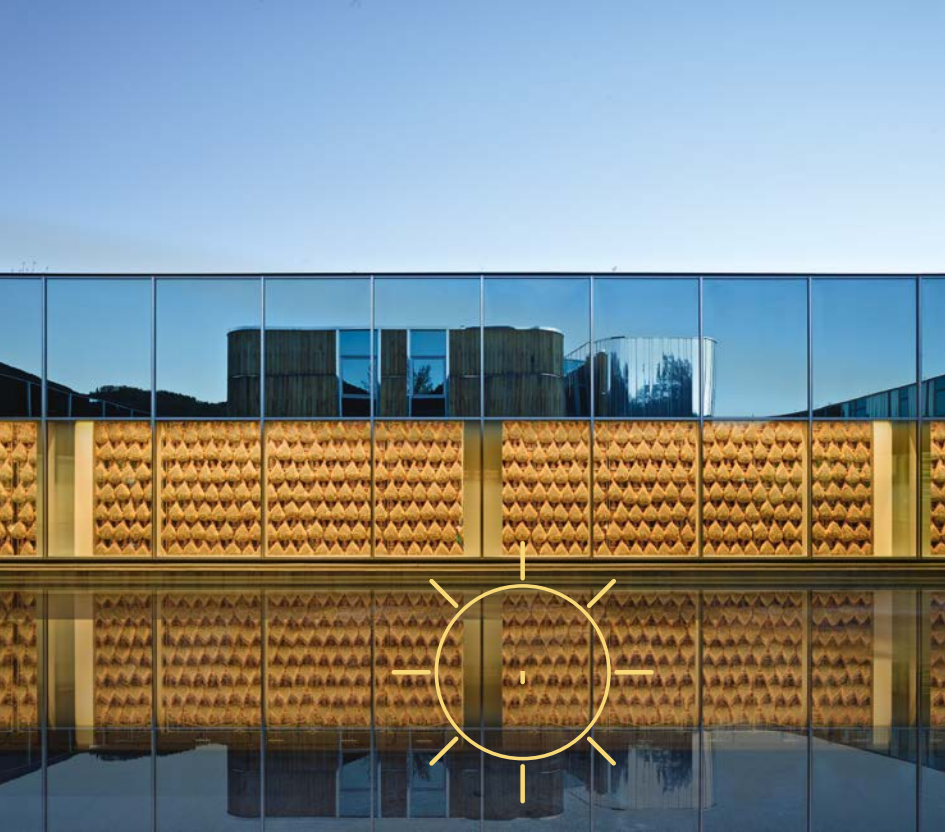
Salpi Plant

Preci, Italy

Enzo Eusebi + Partners

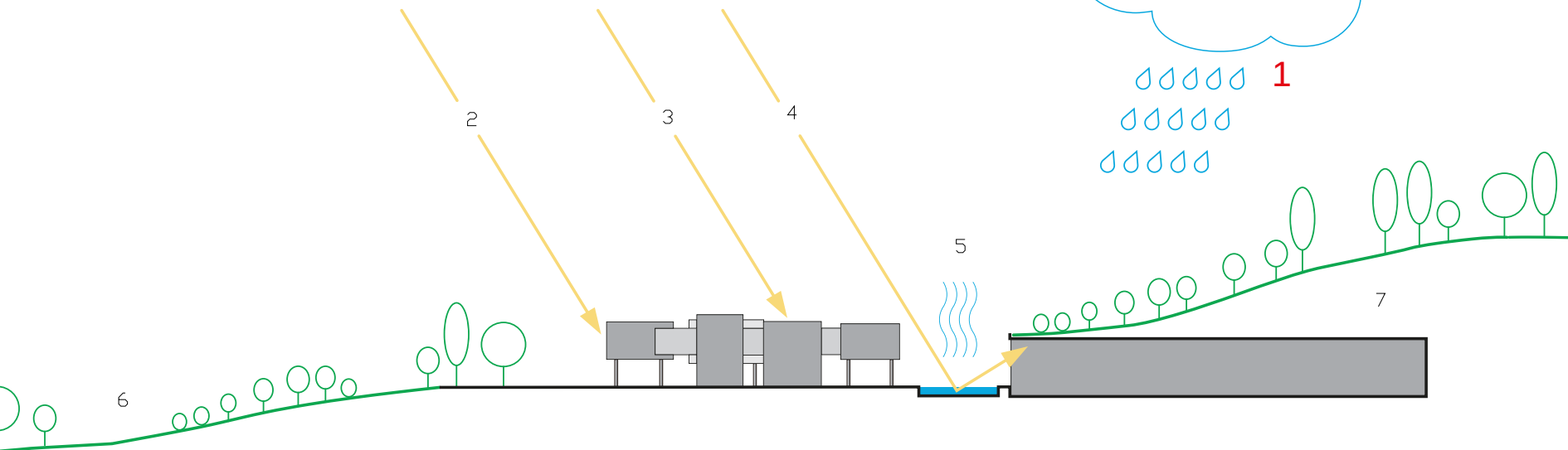
Respect for nature in terms of both
environmental sustainability and
preservation of the landscape





1- Rainwater collection

For irrigation and as heat exchanger to create microclimate in inner court



2- Direct daylighting

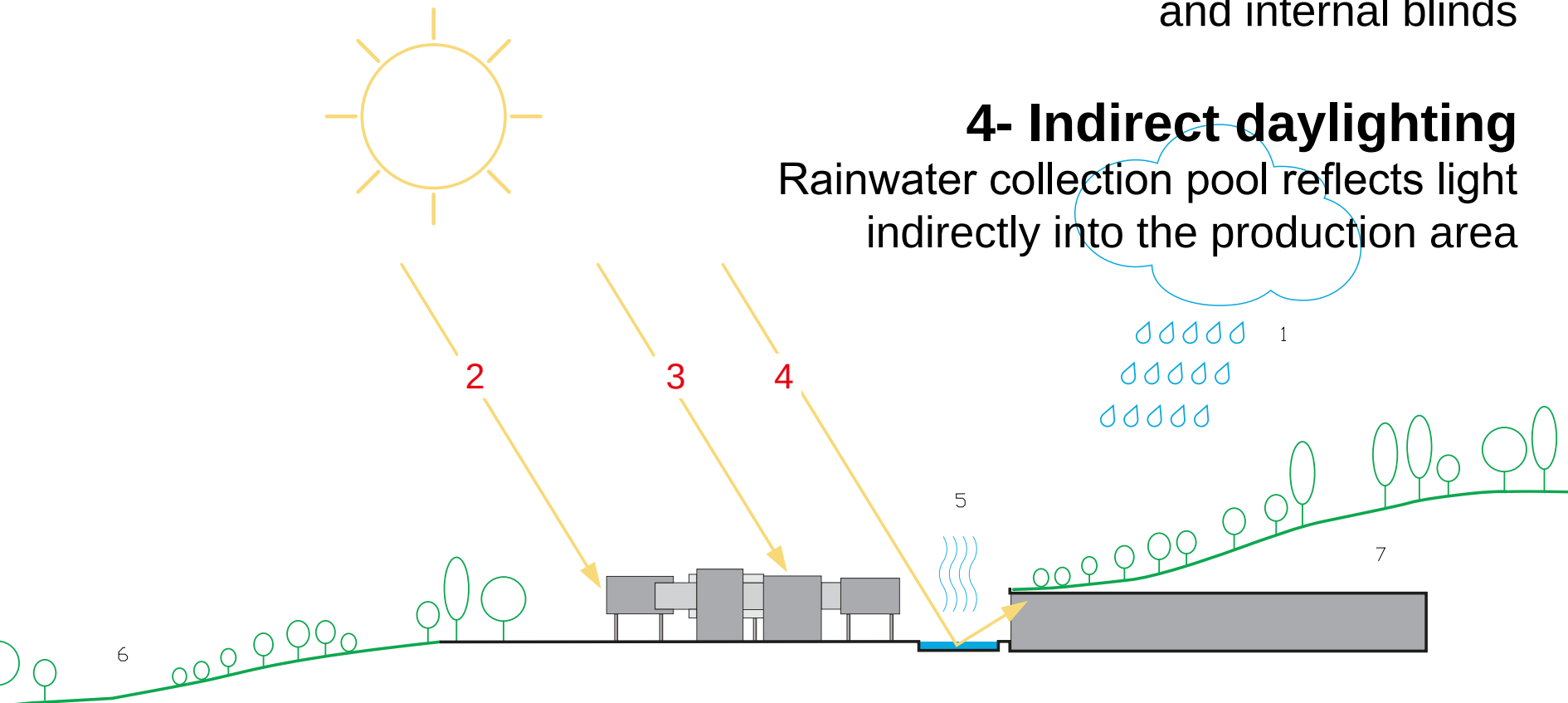
In office building, controlled with external brise soleil and internal blinds

3- Zenithal daylighting

Through different size skylights on office roof, controlled by actuating external brise soleil and internal blinds

4- Indirect daylighting

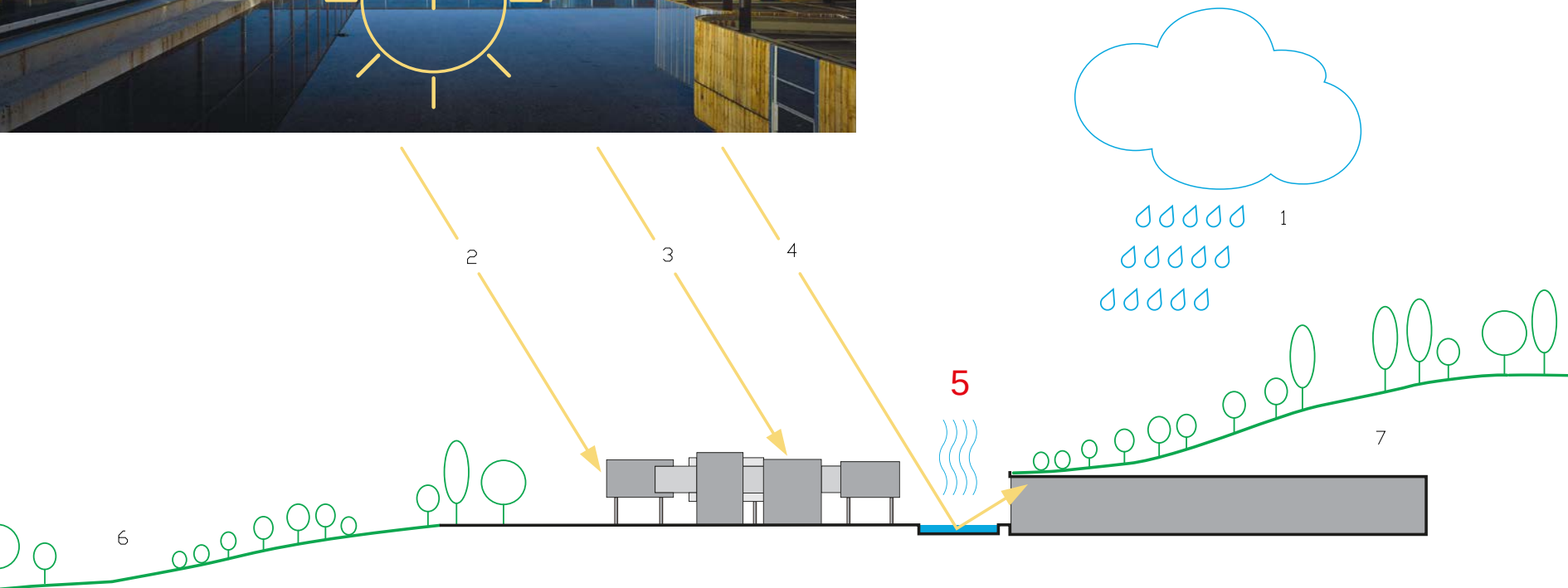
Rainwater collection pool reflects light indirectly into the production area





5- Heat exchanger

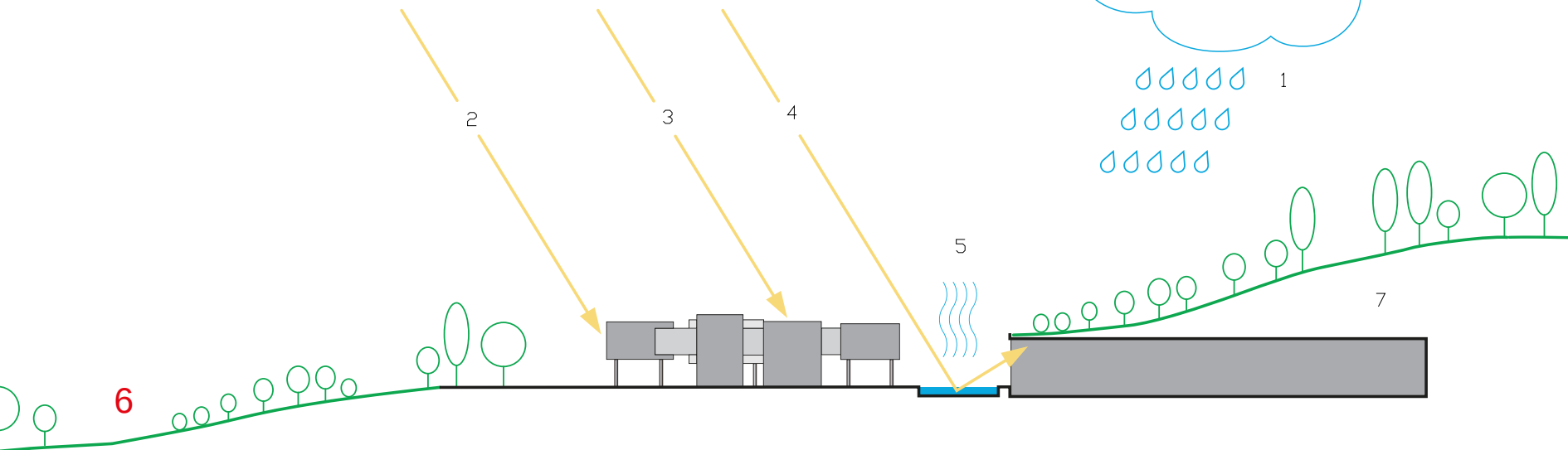
Water in the pool evaporates, creating microclimate in the court





6- Natural vegetation screen

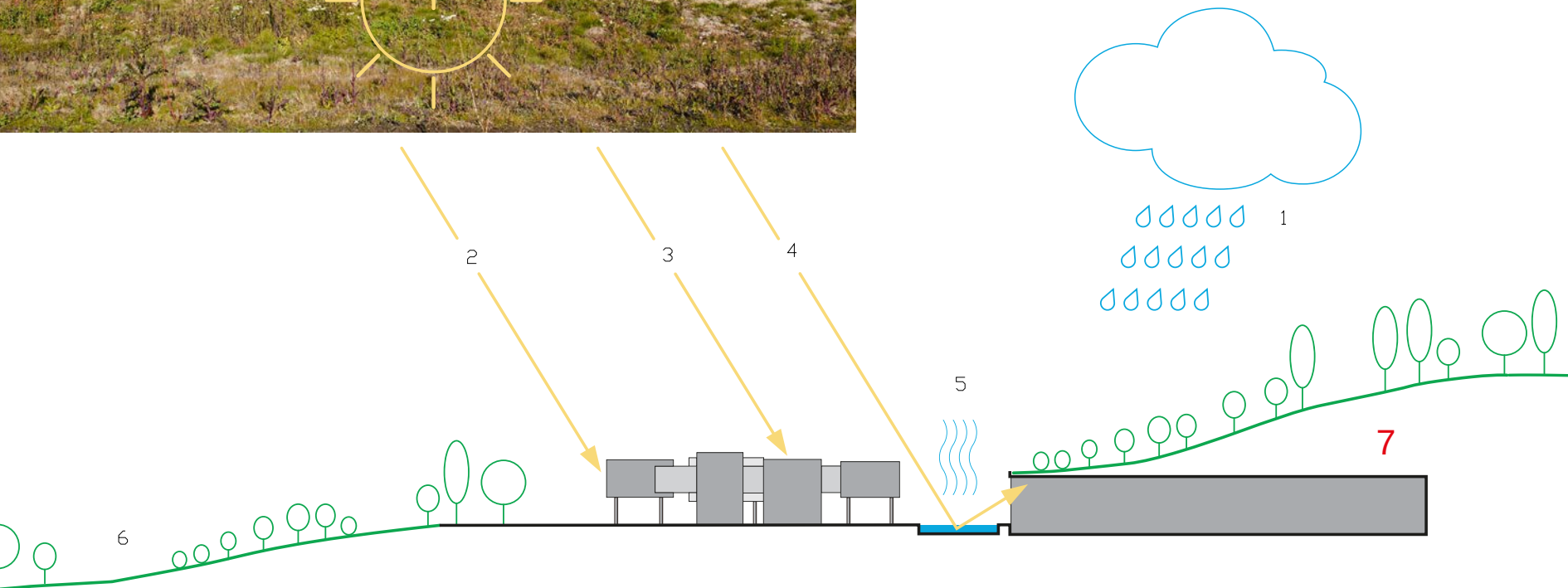
Tall tree stand provides a natural barrier against cold north winds





7- Green roof

Planted roof mimics the natural gradient, reduces thermal loss and increases building's thermal efficiency

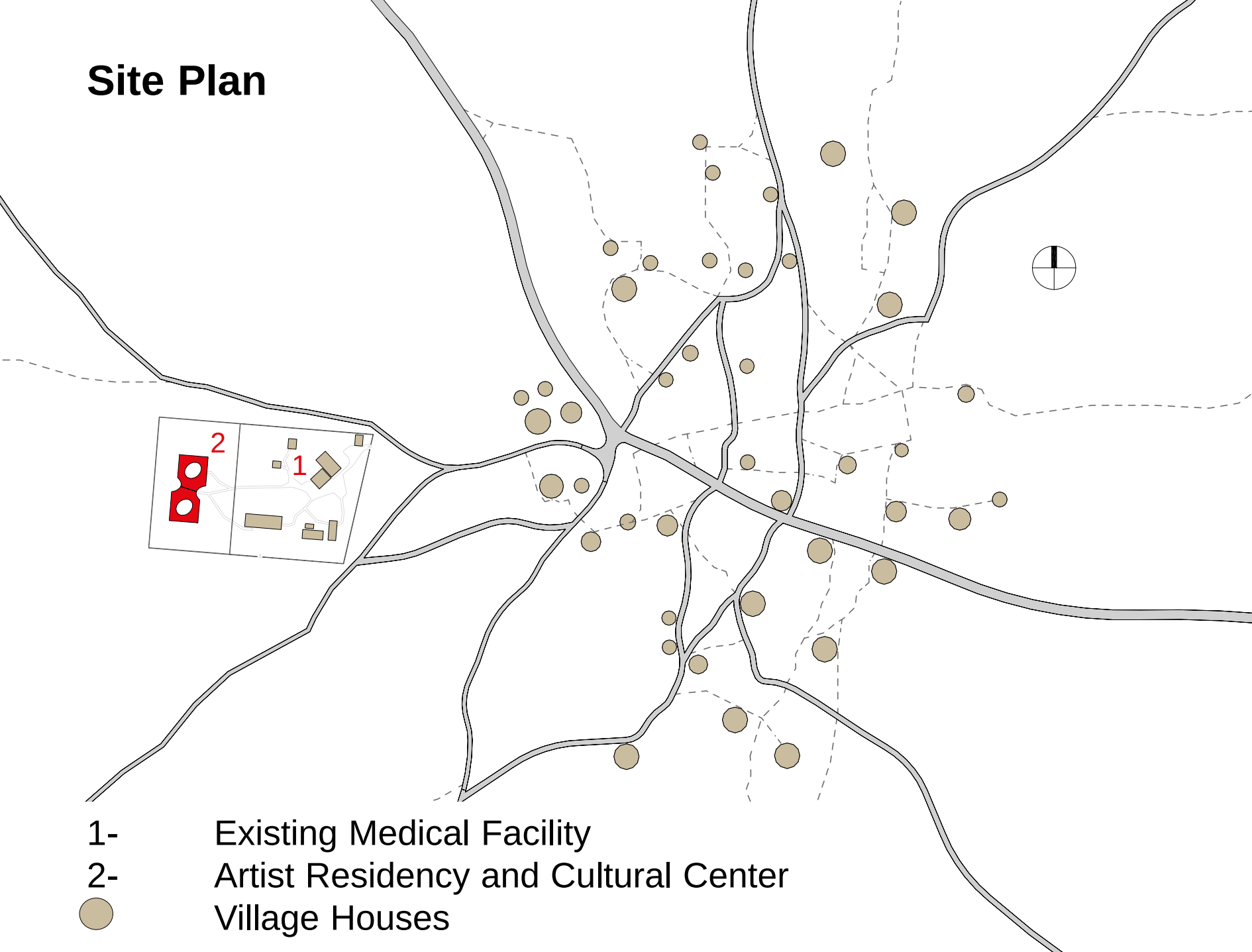




Thread - Artist Residency and Cultural Center

Sinthian, Senegal
Toshiko Mori Architect

Site Plan



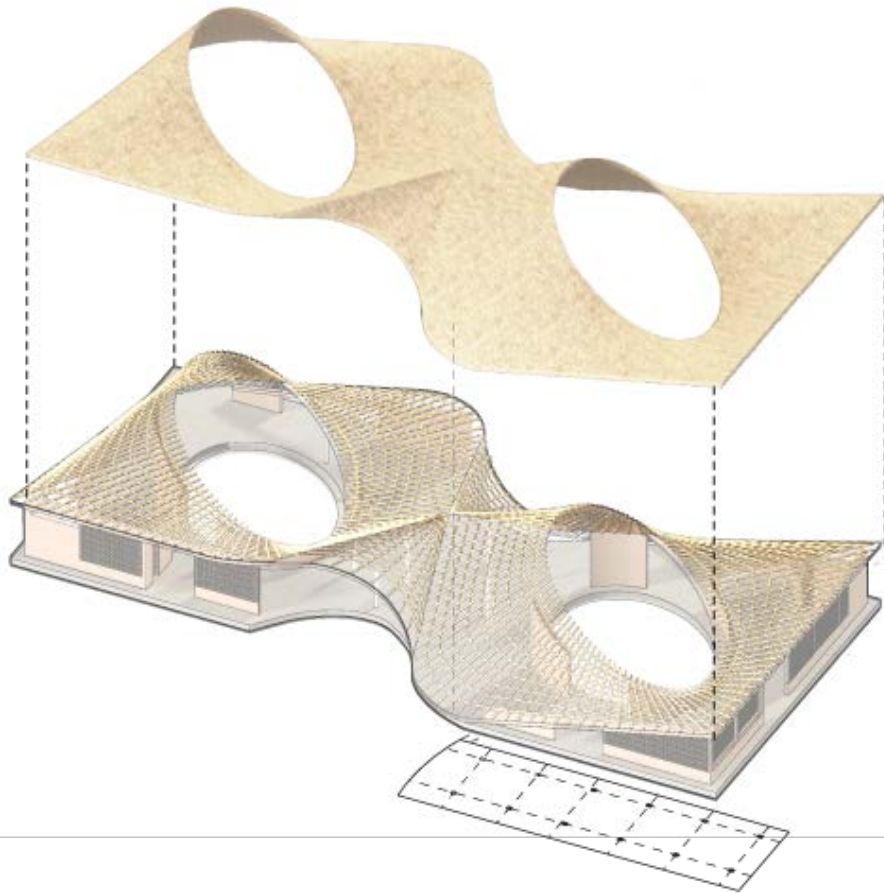
- 1- Existing Medical Facility
- 2- Artist Residency and Cultural Center
- Village Houses

Program and building techniques
create a weave of shapes, spaces
and environments to meet a range
of community needs



Thatch roof

Locally grown and harvested thatch
layered on top of the bamboo substructure
(low cost, traditional and sustainable building solution)



Bamboo roof substructure

3 layers of bamboo sourced locally.
Bamboo lashing technique from Japan
(an exchange and cross-fertilization
of traditional construction methods)

Clay brick façade

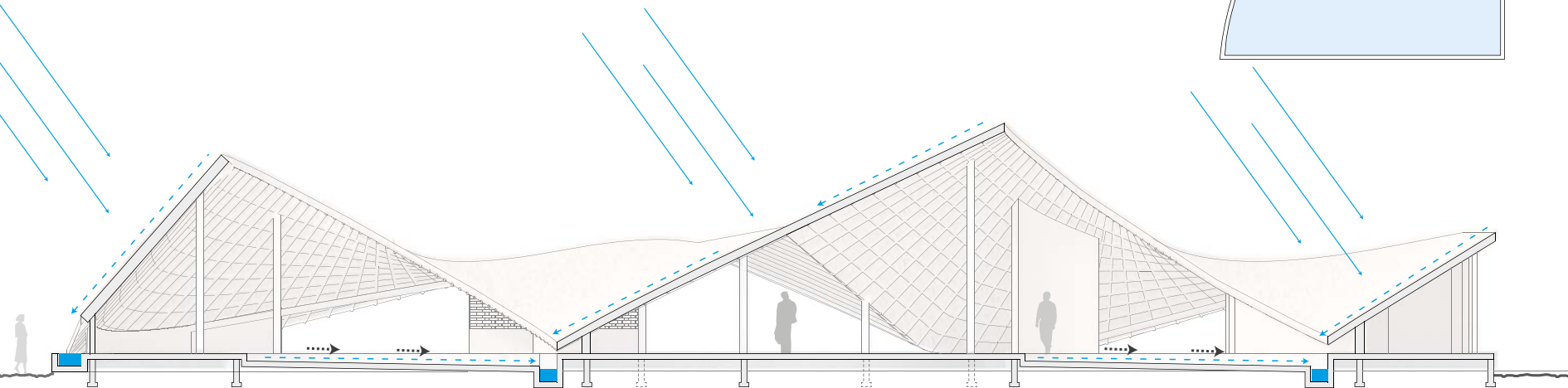
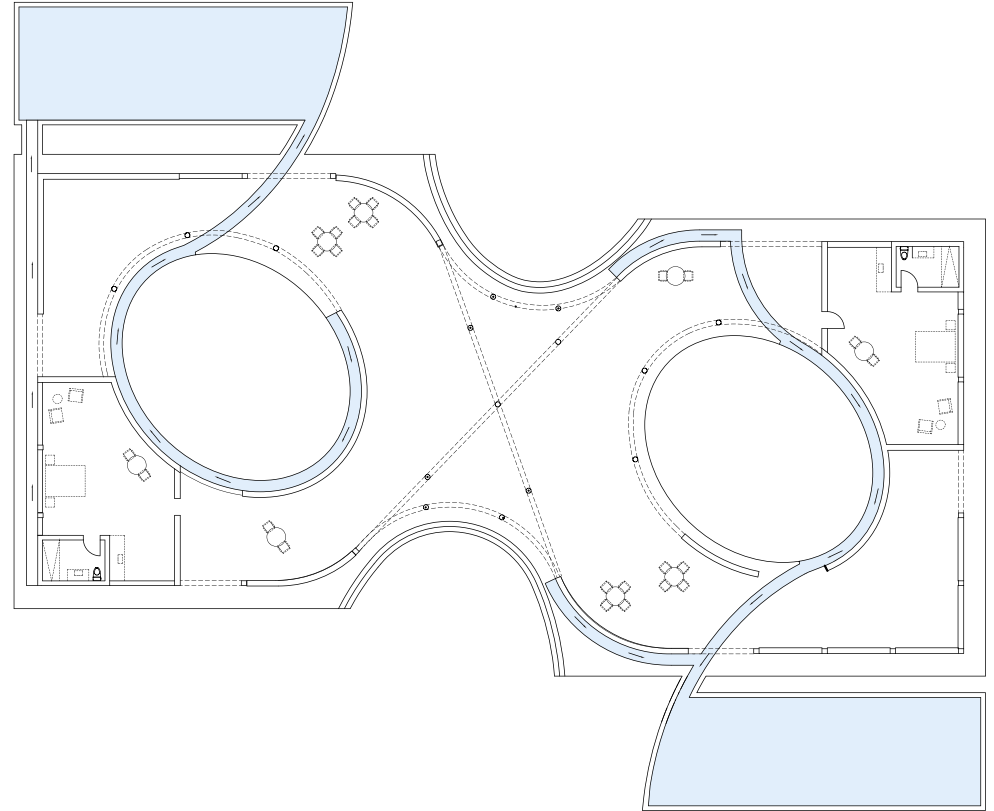
Formed on-site by local villagers,
enhancing the participation
of the local community

Water collection and reuse strategies

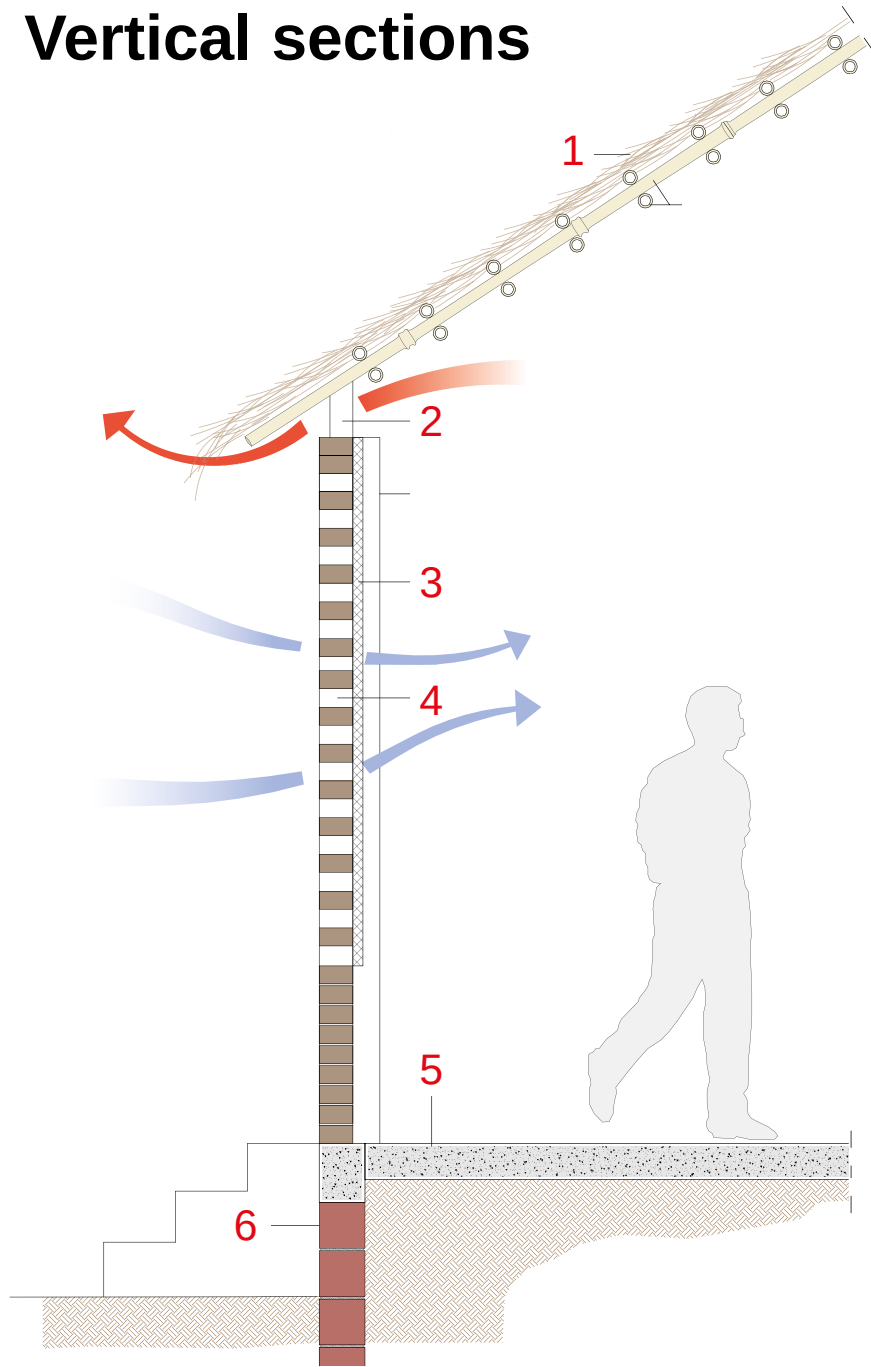
Curves and dips convey rainwater into:

- 2 collector channels
- 2 covered water tanks

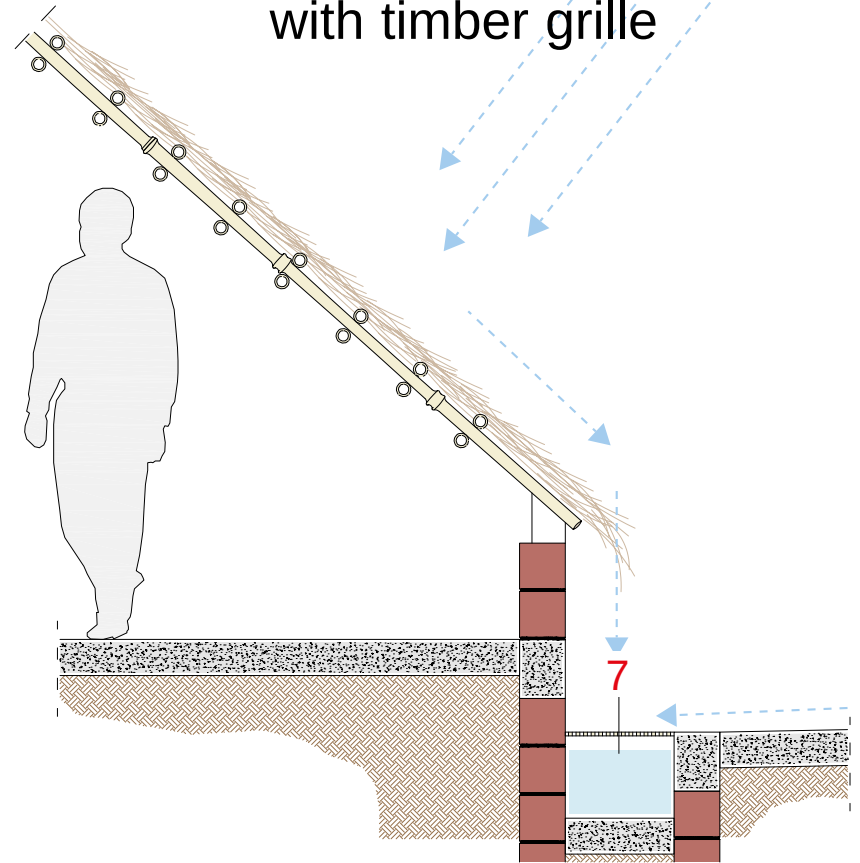
Other channels spread around the courtyards draining rainwater from inner courts



Vertical sections



- 1- Thatched straw roof
- 2- Opening for exit of hot air
- 3- Insect screen
- 4- Open brick wall for entry of fresh air
- 5- Concrete floor
- 6- Thick brick foundation
- 7- Rainwater gutter with timber grille



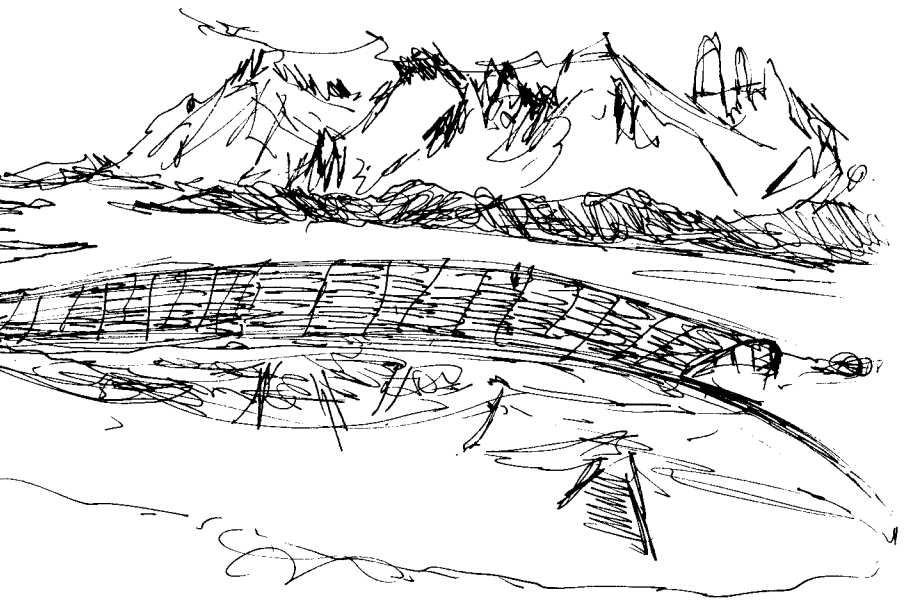
Relief from the heat provided by:

- Locally produced bricks in clay and mud
- Constant circulation of air through breaks in the brick perimeter walls
- Juxtaposition of open and covered spaces





Tierra Patagonia Hotel
Torres del Paine, Chile
Cazú Zegers Arquitectura



Harmony with nature



Lying horizontal like plain and lake,
it stretches in a long hollow apparently
carved out of the sand by the wind



Washed Lenga wood panels cladding further
camouflage the building in the context

On the inside, the landscape becomes a spectacular framed stage set





Grace Farms
New Canaan, USA
SANAA



Insertion into the landscape

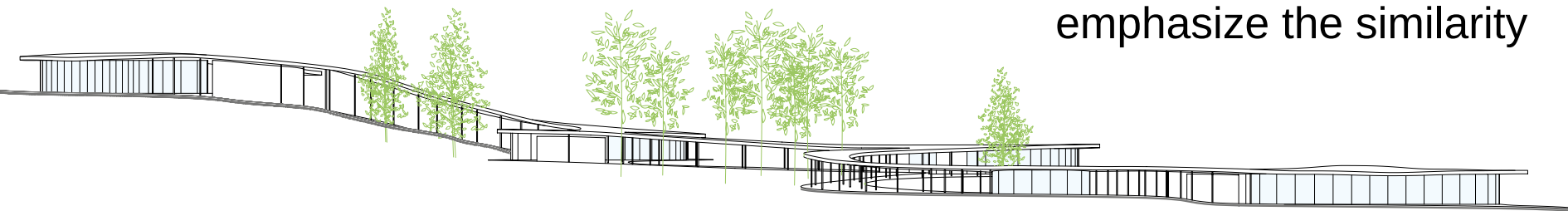


Modest resistance to gravity



Roof runs parallel with the ground

Roof thickness and color
emphasize the similarity



Interplay of reflections and transparencies to
increase the relationship between
architecture and landscape





Portland Japanese Garden
Portland, USA
Kengo Kuma and Associates

Site as found
with parking and
accessibility proposal



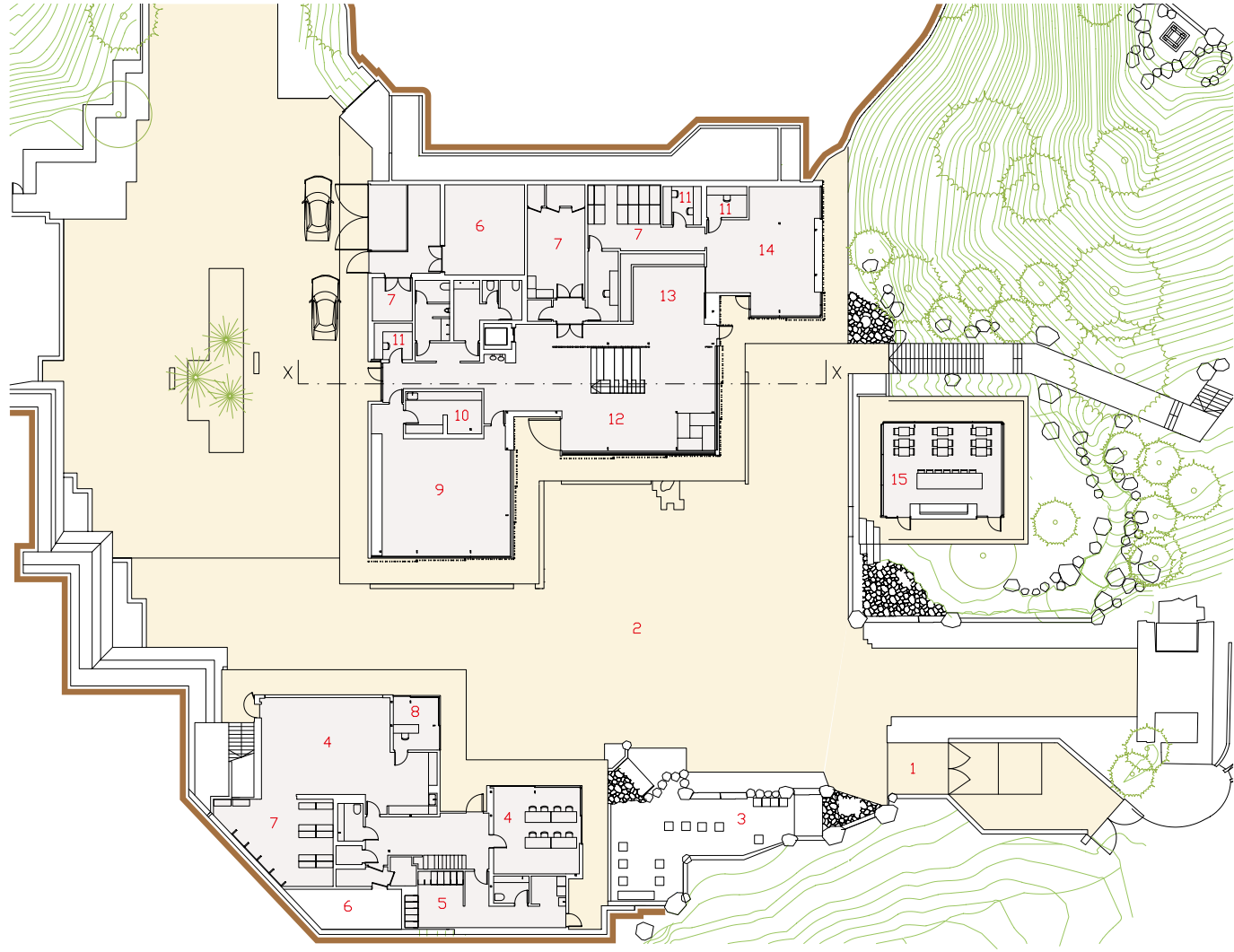
Project status



1st level plan

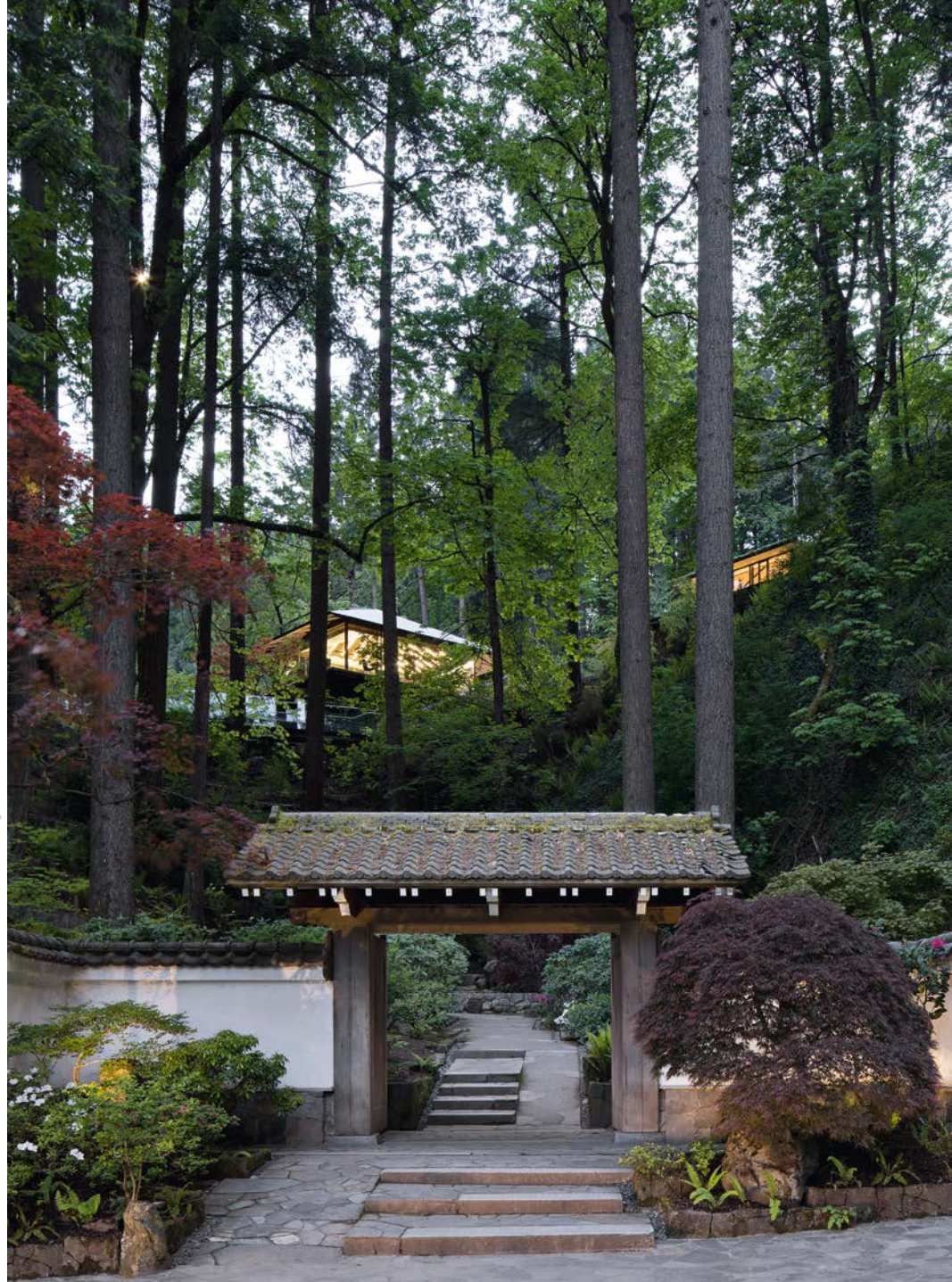
Scale 1:400

1. Main entrance
2. Courtyard
3. Bonsai garden
4. Workshop
5. Locker room
6. Mechanical room
7. Storage
8. Info point
9. Multipurpose room
10. Kitchen
11. Office
12. Hall
13. Gallery
14. Shop
15. Tea House



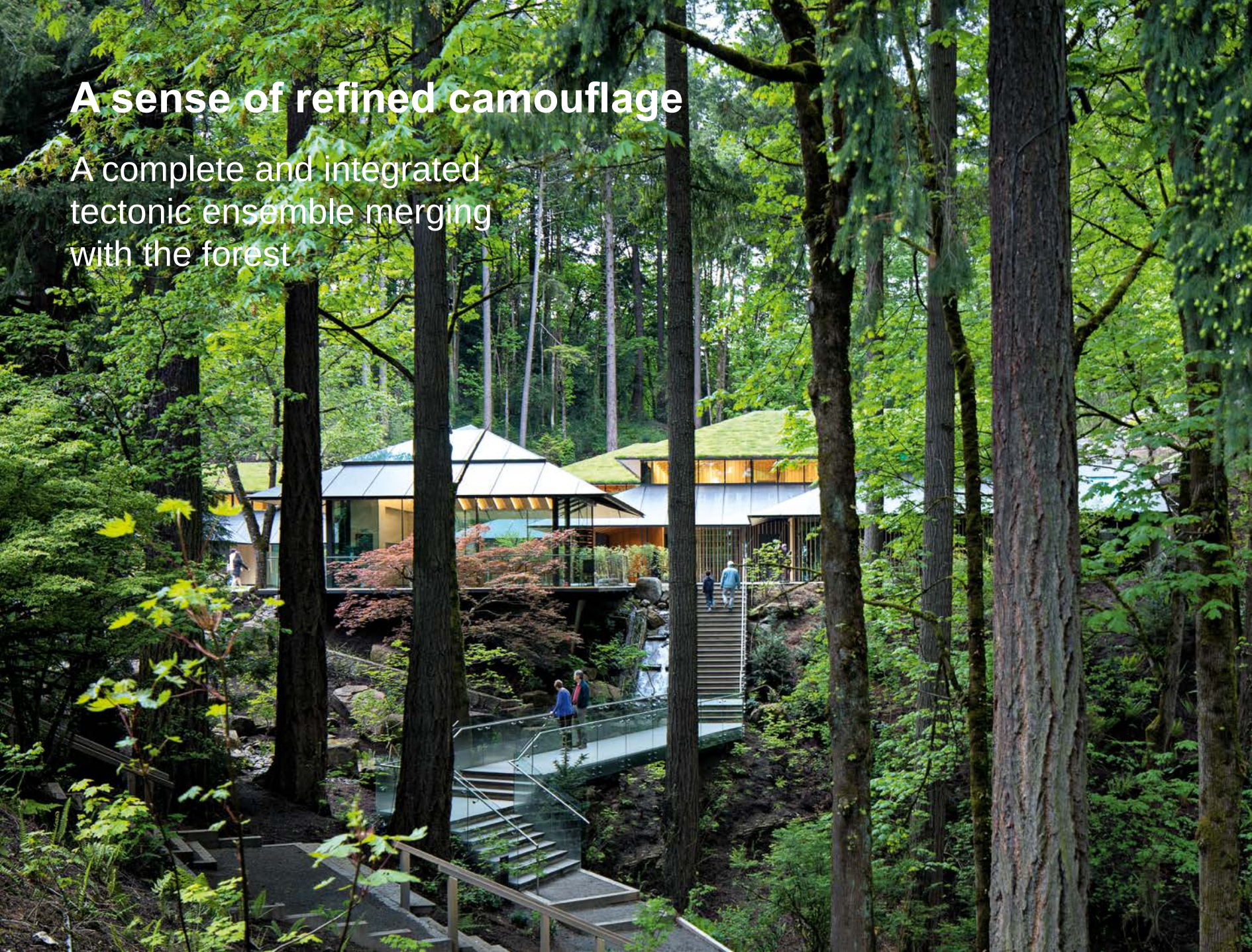
Oriental echoes

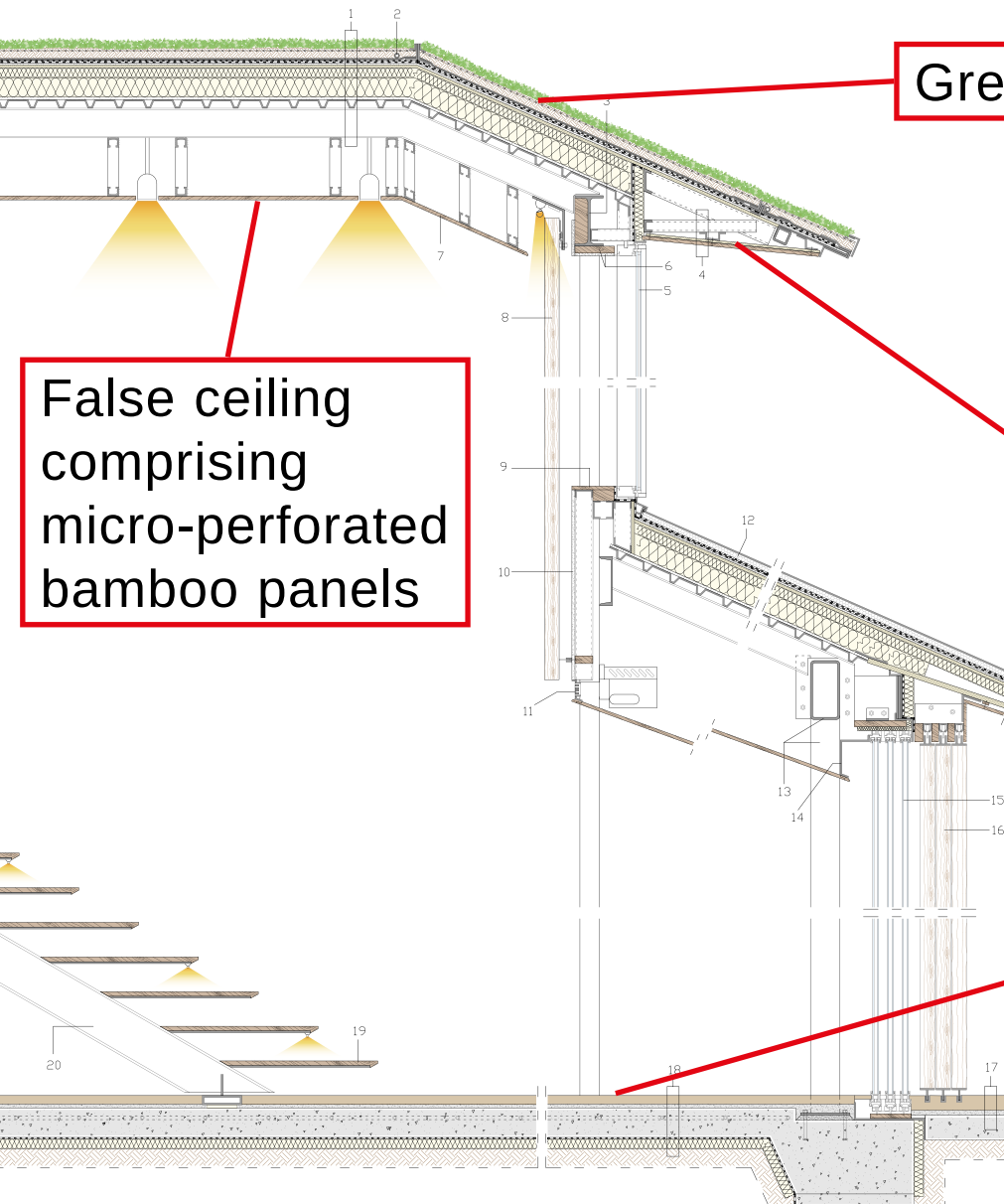
Sitting at the base of a small valley, it marks the entrance and explicitly refers to traditional Japanese portals



A sense of refined camouflage

A complete and integrated
tectonic ensemble merging
with the forest



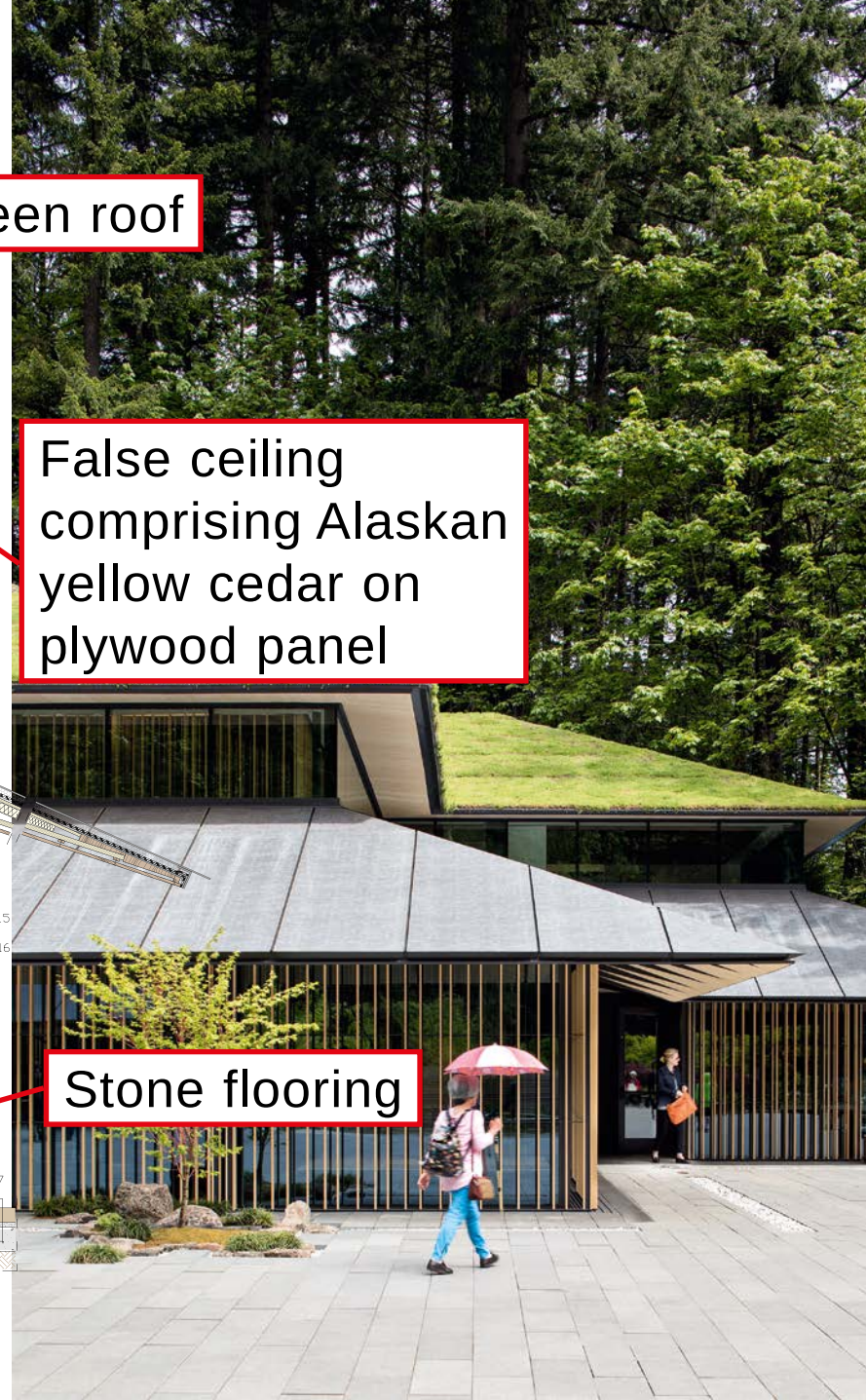


Green roof

False ceiling
comprising
micro-perforated
bamboo panels

False ceiling
comprising Alaskan
yellow cedar on
plywood panel

Stone flooring





Japanese touch

Bonsai garden

Pitched roofs

Translucent ceiling soffits

Fenestration and sliding screens



Mastery of craft

Deep awareness
of working with
wood and metal

Harmony with nature

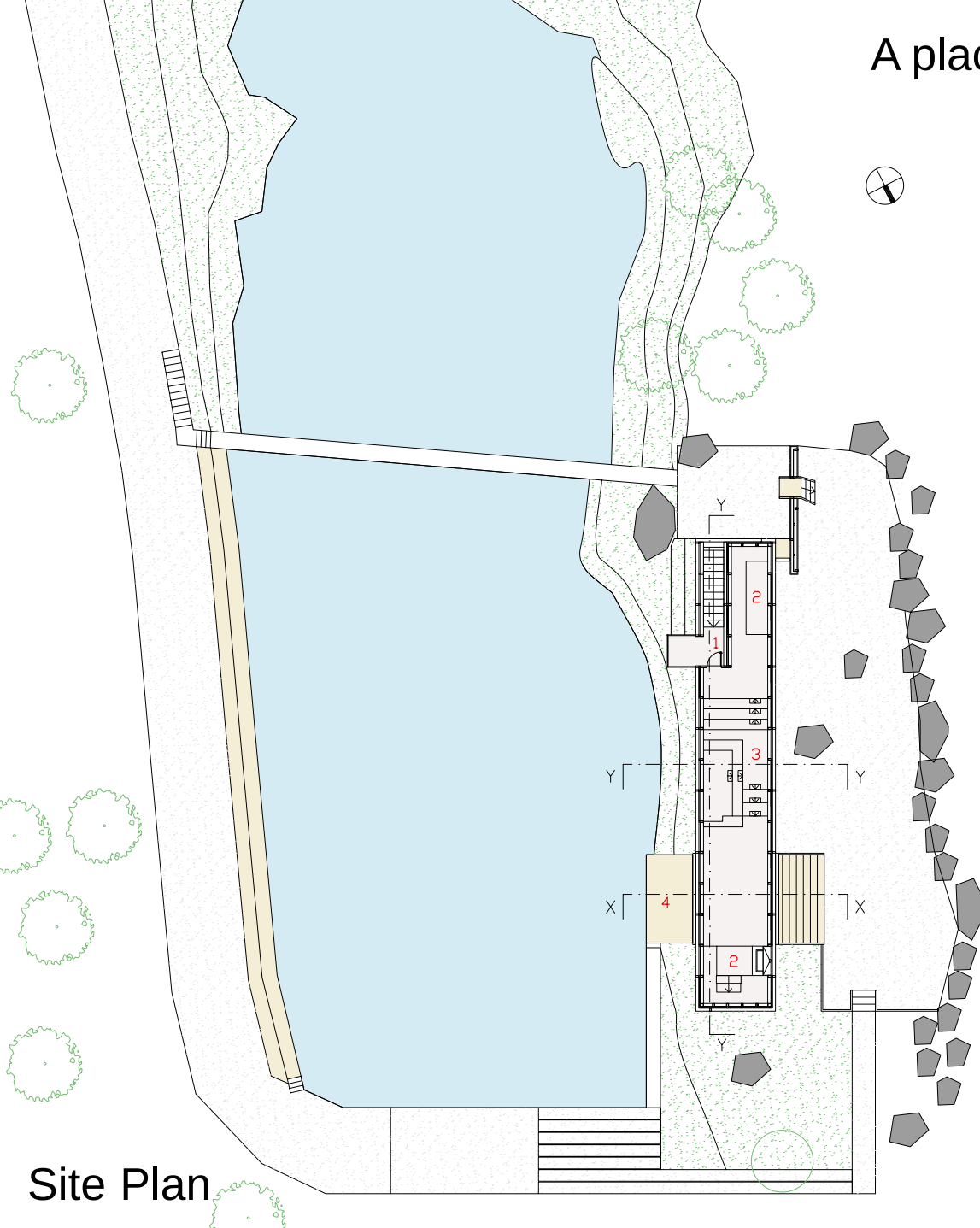
Play of light





Liyuan Library
Jiaojiehe, Beijing, China
Li Xiaodong Atelier

A place of contemplative tranquillity
in defiance of the hectic pace
of modern-day China

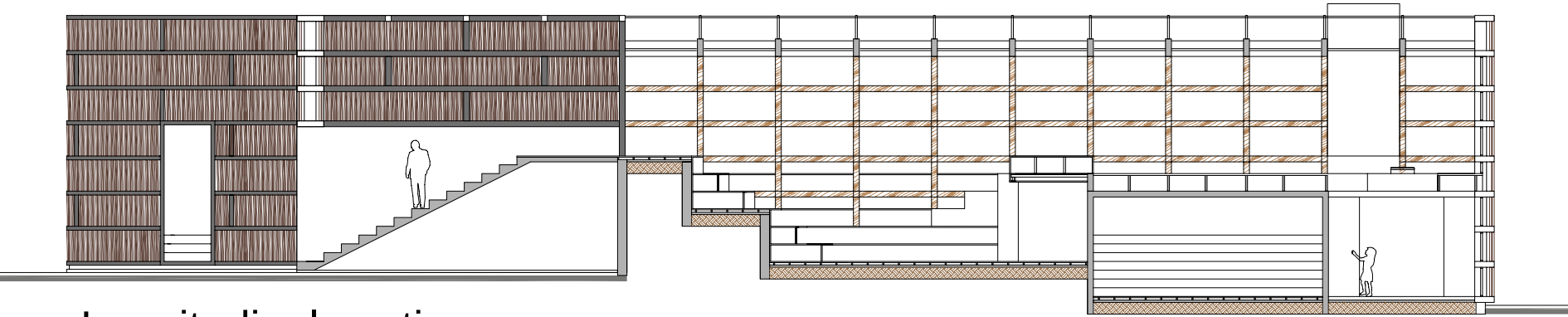


Site Plan



Materials, colors, and construction techniques

are designed to blend the construction into its natural surroundings



Longitudinal section





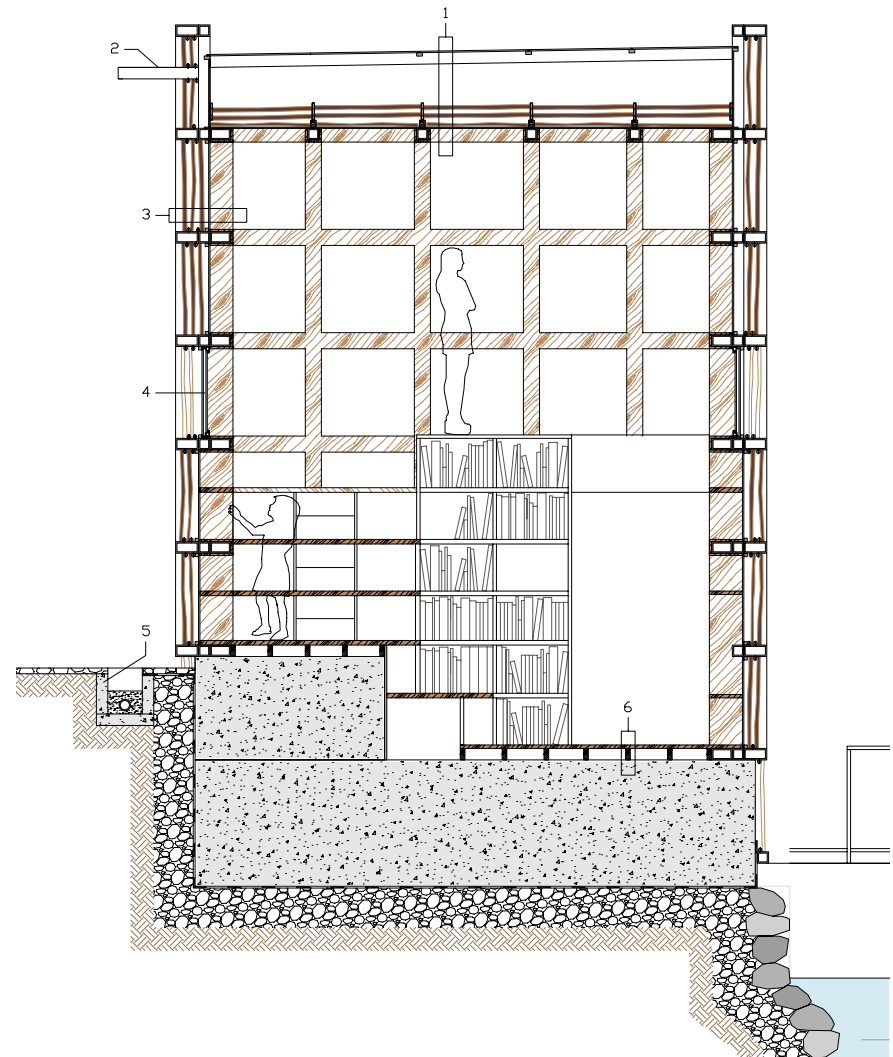
The irregular wooden sticks

creating a filter between inside and out were harvested from nearby woodland

The simplicity of the parallelepiped structure mimicks ancient Chinese rural houses built with the few materials nature offered



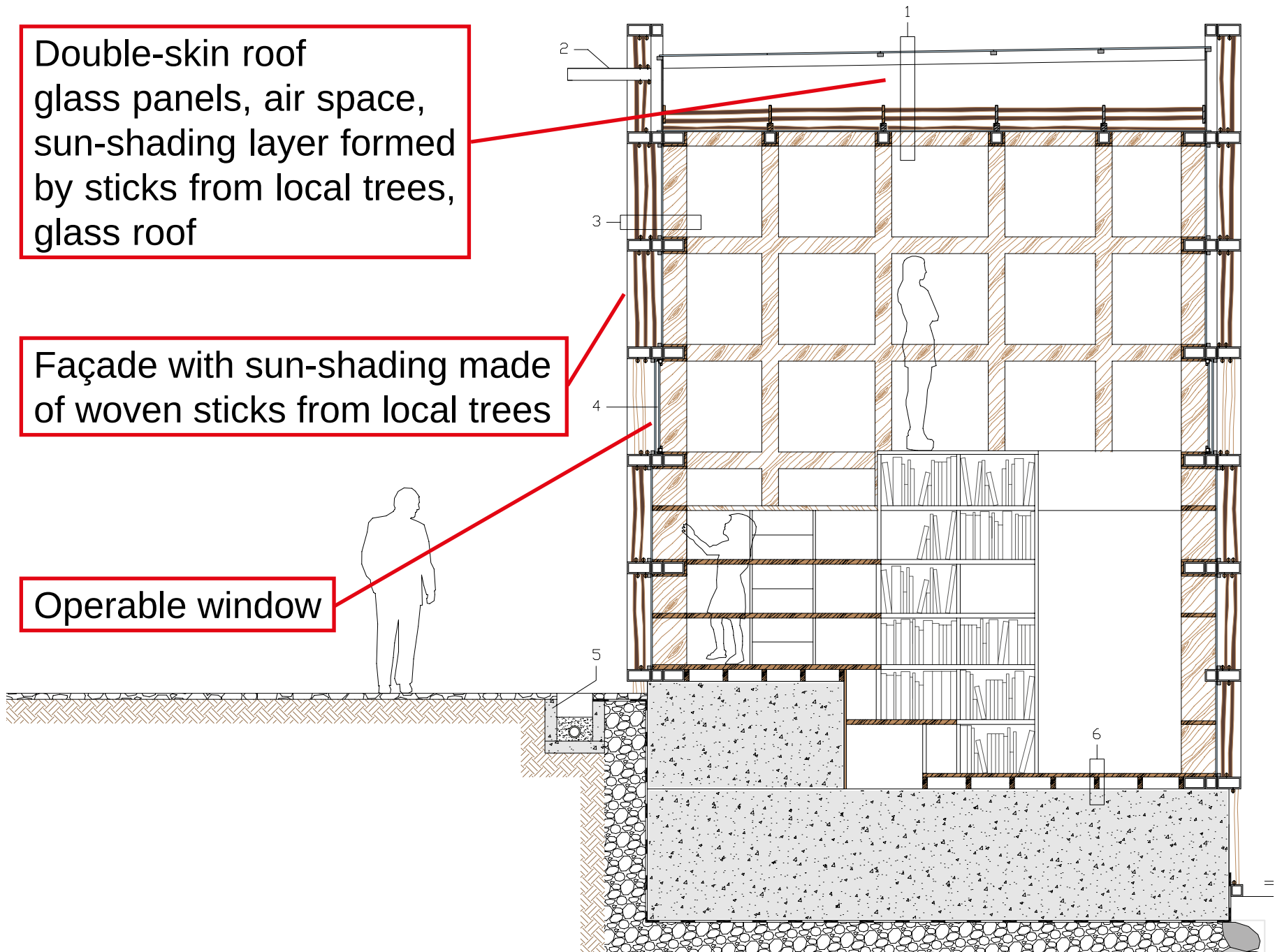
Different levels mark out
the different functional areas
on a seamless groundplan



Double-skin roof
glass panels, air space,
sun-shading layer formed
by sticks from local trees,
glass roof

Façade with sun-shading made
of woven sticks from local trees

Operable window

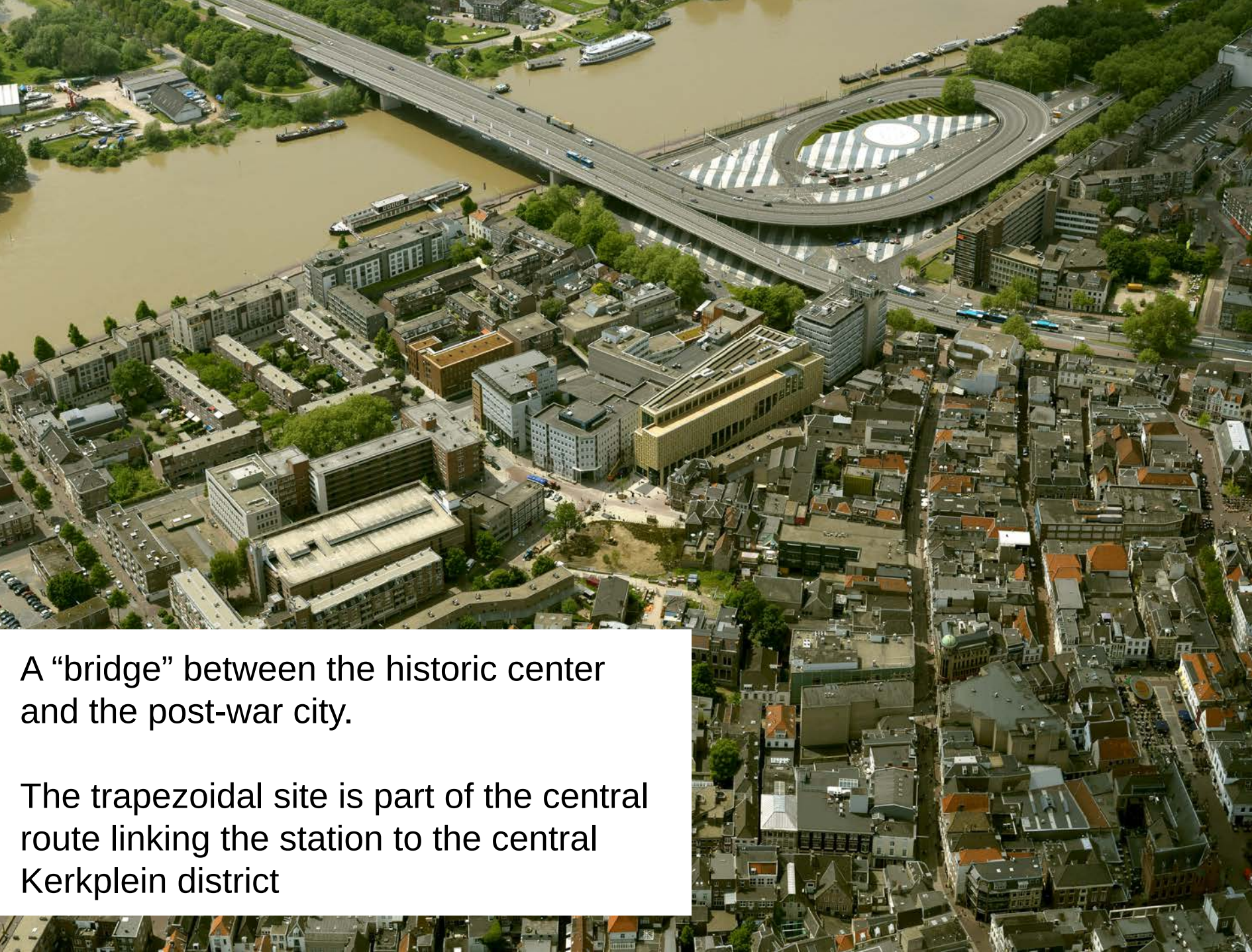




Rozet Cultural Center
Arnhem, The Netherlands
Neutelings Riedijk Architects

**A thoughtful insertion
in the urban tissue**

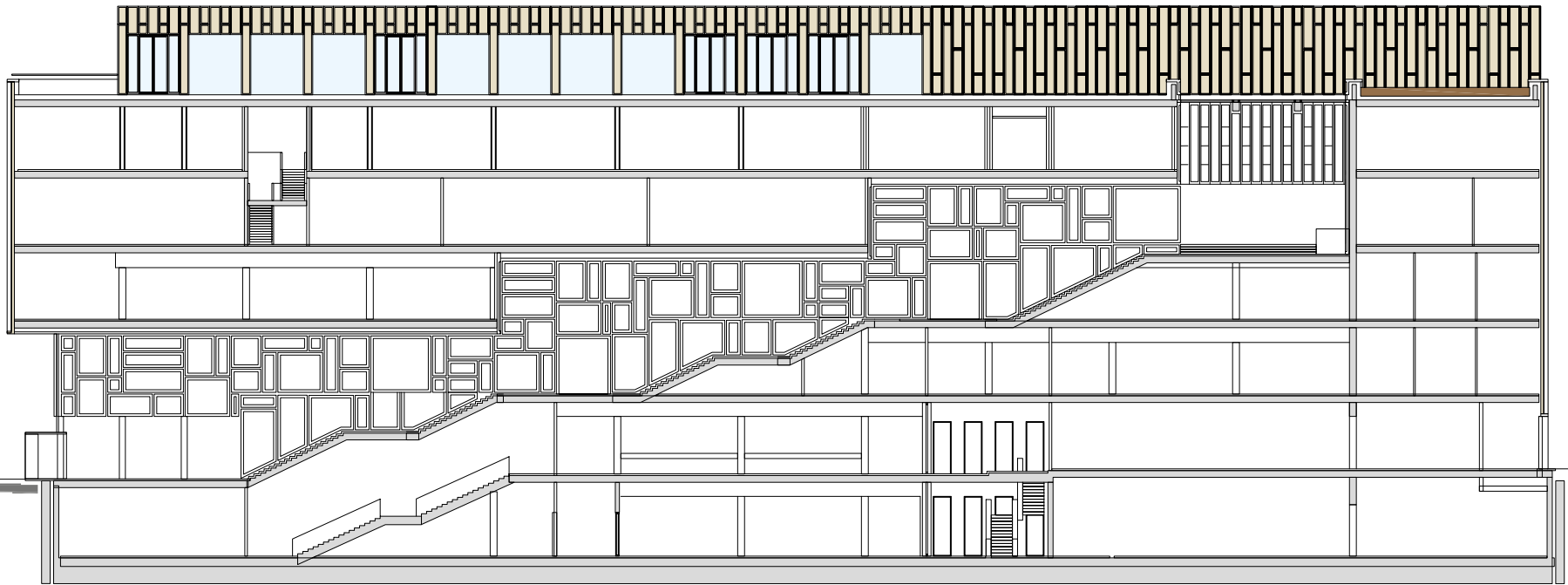




A “bridge” between the historic center and the post-war city.

The trapezoidal site is part of the central route linking the station to the central Kerkplein district

Staircase as an interior street
with entries to the varied activities
at each of the five above-ground levels



Longitudinal section



Public route extending through
a cultural building to link it to
the life of the community

Precast concrete elements with a sandy tone suggests the materiality of stone

Edges are angled to catch the light

Embossed rosettes form a varied pattern and recall the name "Rozet"





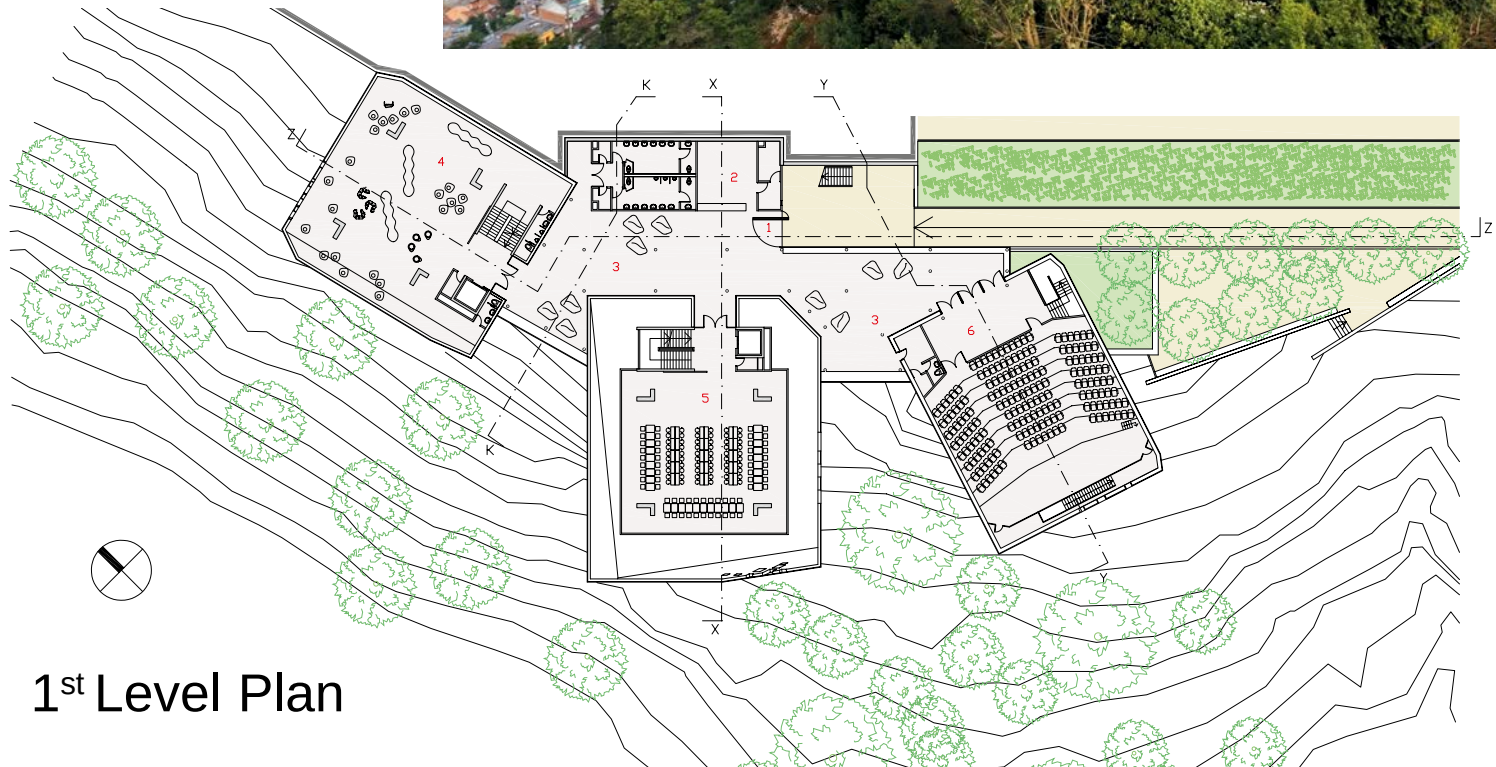
Parque Biblioteca España
Medellín, Colombia
Giancarlo Mazzanti Arquitectos

Materials and form

have an osmotic relationship
with their context

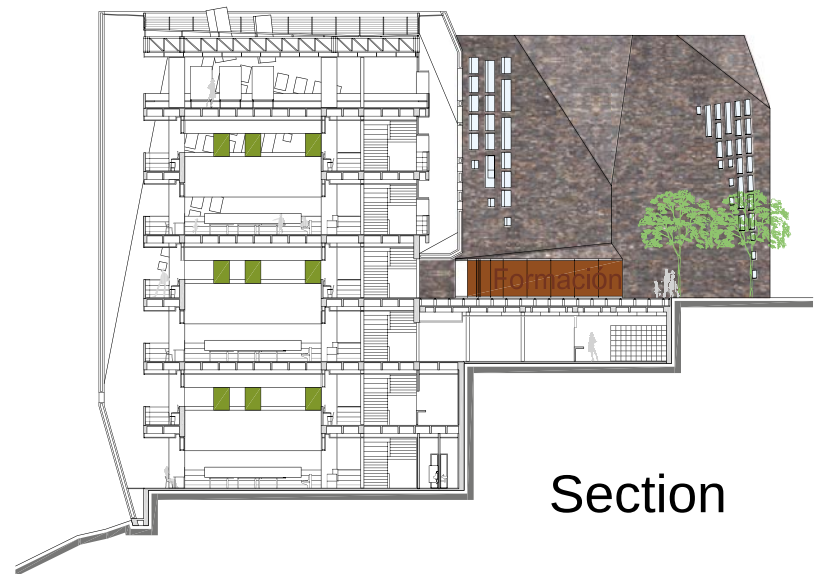
Three buildings

with different functions
one compact system
offering a public service



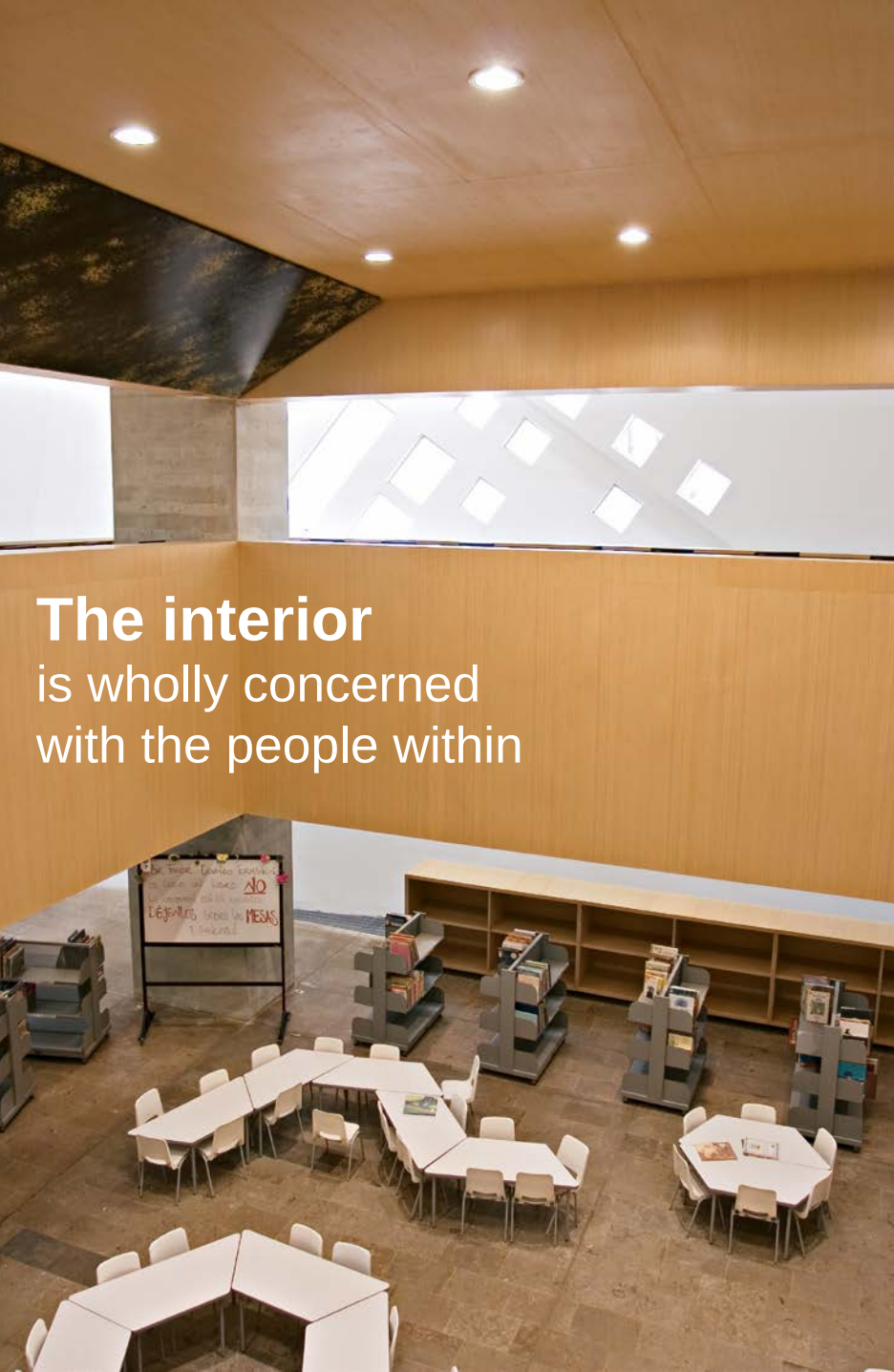


An ingenious play
of light and shadow
views and architectural relations





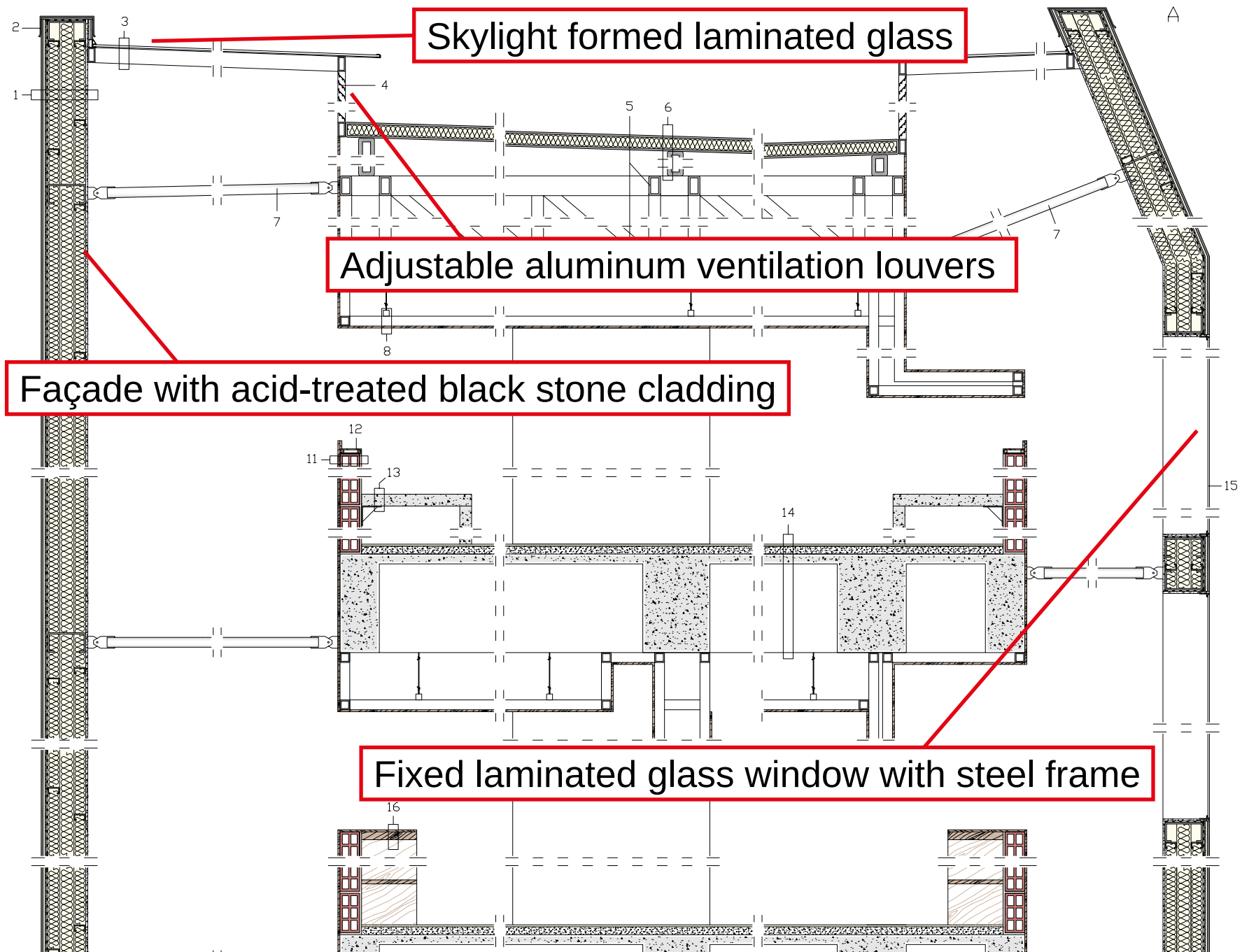
Inequalities can be lessened
by spreading knowledge in contemporary society

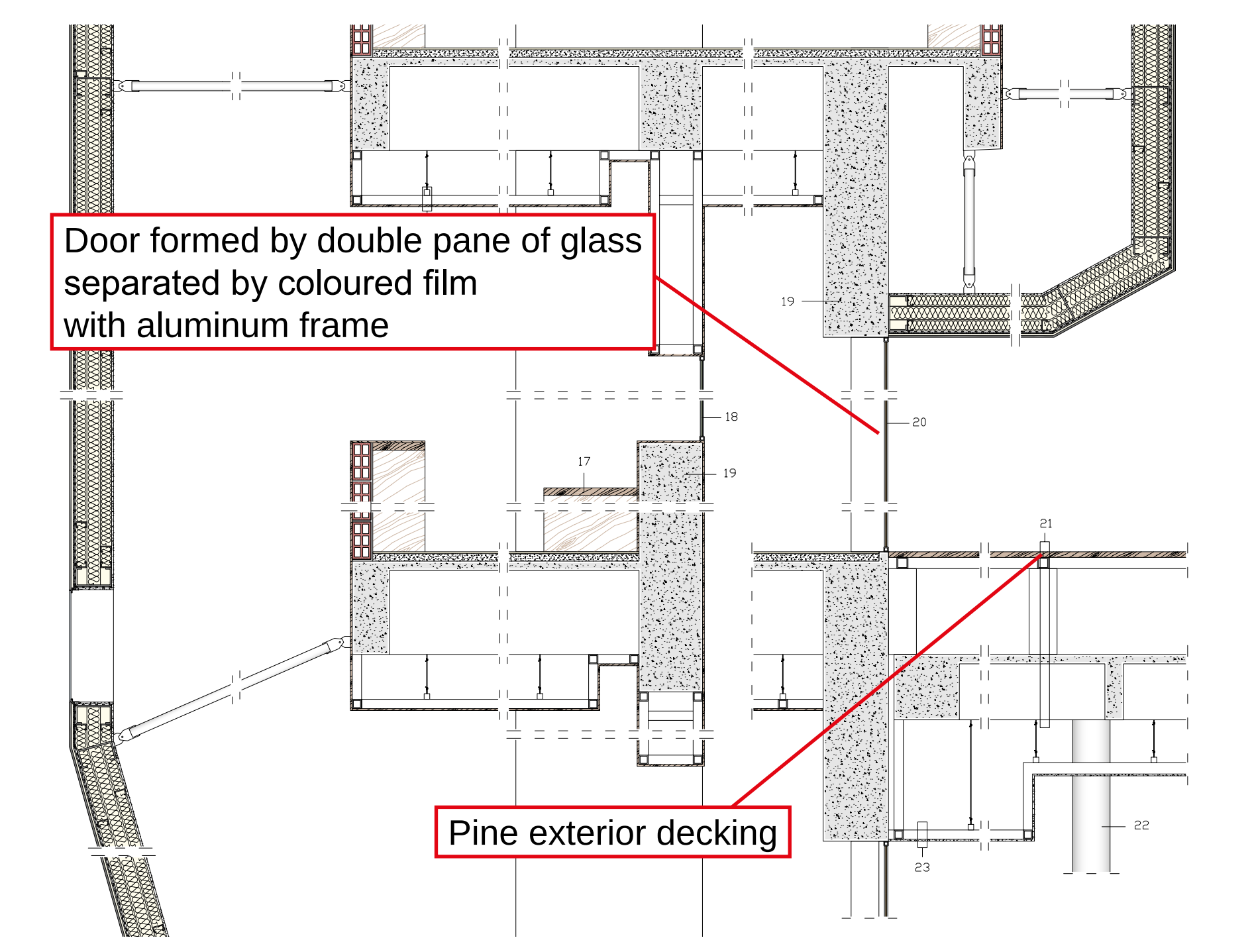


The interior
is wholly concerned
with the people within



A pinewood platform
creates passageways
and access routes to the buildings





Door formed by double pane of glass
separated by coloured film
with aluminum frame

This architectural section drawing illustrates a building's facade and interior layout. The drawing includes various structural elements such as walls, floors, and doors. A red-bordered text box on the left side of the drawing contains the text 'Door formed by double pane of glass separated by coloured film with aluminum frame'. A red line originates from this box and points to a specific door assembly in the upper right portion of the drawing. Another red-bordered text box at the bottom center contains the text 'Pine exterior decking'. A red line originates from this box and points to a horizontal wooden element, labeled '17', which is part of the exterior decking system. The drawing also features several numerical labels: '18' and '19' are located near the top right, '20' is near the bottom right, '21' is near the bottom center, '22' is near the bottom right, and '23' is near the bottom left. The drawing uses various line styles to represent different materials and structural components, including solid lines for walls and floors, dashed lines for hidden or structural elements, and hatching for specific materials like wood or concrete.

Pine exterior decking





Kibera Hamlet School
Nairobi, Kenya
SelgasCano with HelloEverything



Temporary installation
at the Louisiana
Museum of
Copenhagen

Construction
in Nairobi



Floor plans - Not to scale

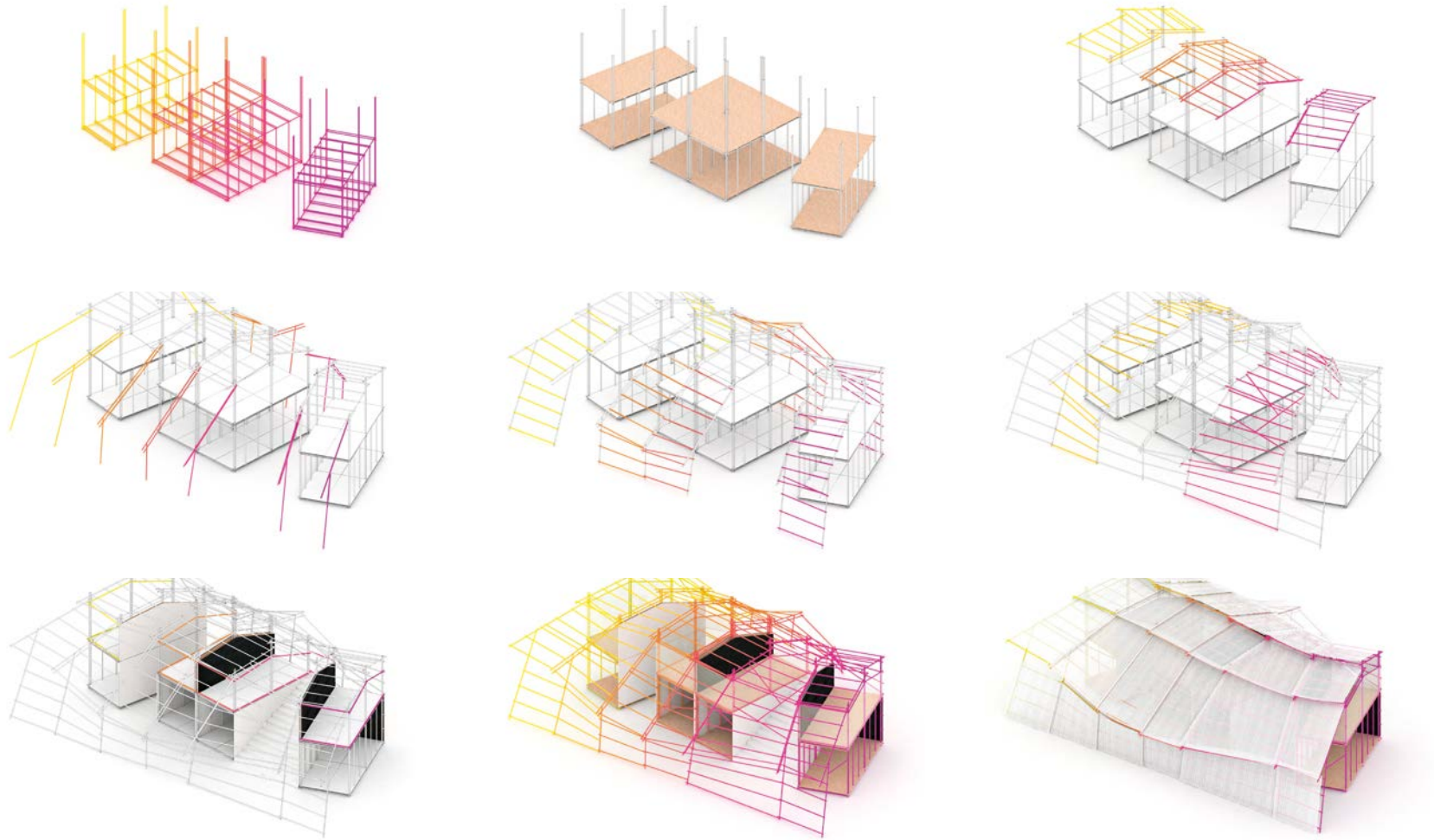
What's Kibera Hamlets?

Started as football team, the organization has gathered more than 150 children becoming kindergarten, primary and secondary school



Economic and functional constraints acting as stimulus





Design and building process

Frame in colored tubes and timber planks. Infills and roof in corrugated polycarbonate, parapets in metal mesh.



Color is life

Greater communicative force

Approachable, user-friendly facility

A break from everyday life



Hub for everyone

Classrooms are combined with a covered court and broad staircase serving as auditorium, communal space and distribution route





Star Apartments
Los Angeles, USA
Michael Maltzan Architecture

Attention to topography

Vertical development of the building
as a smart response to LA's urban sprawl



The composite structure of individual units

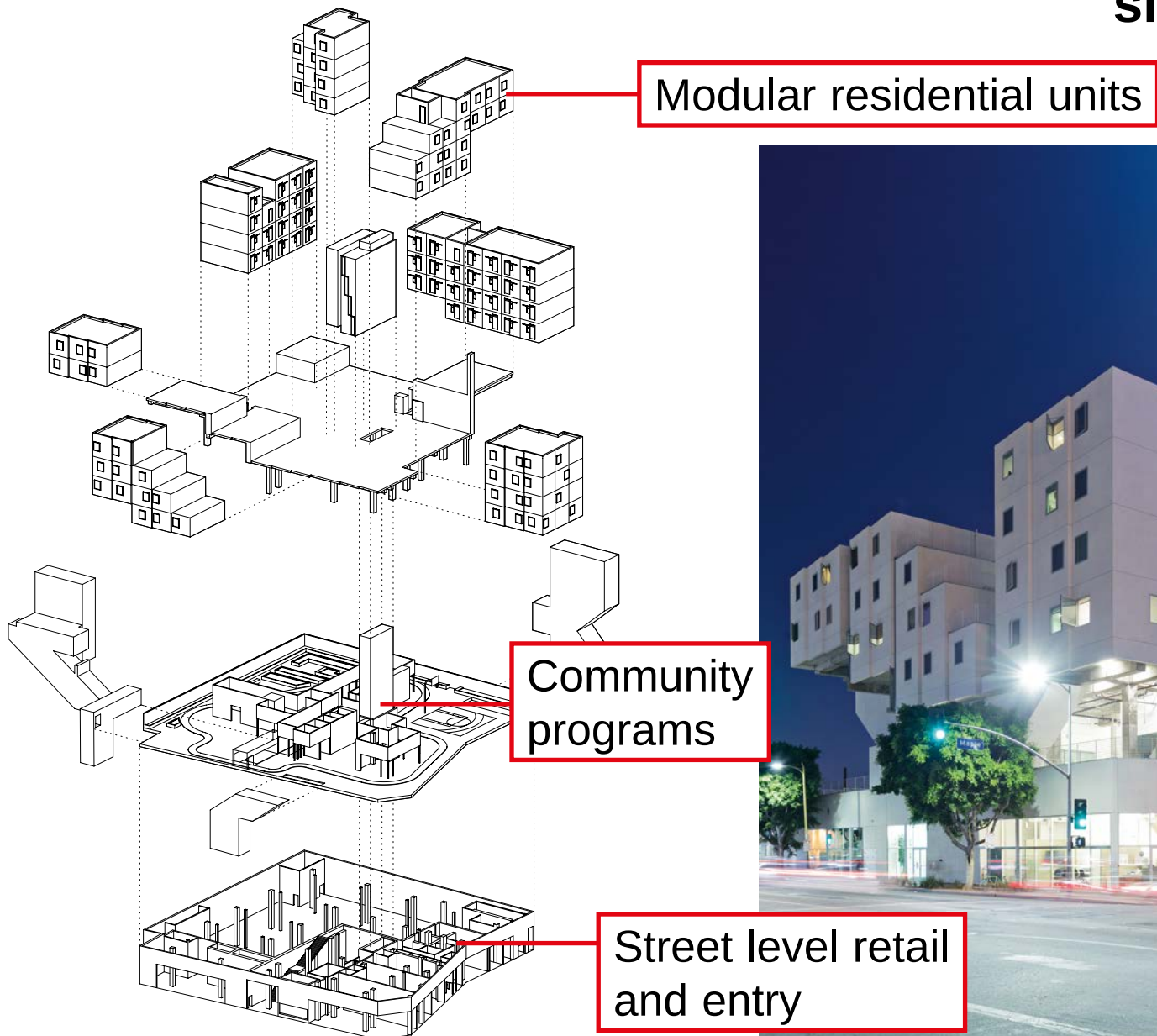
Rises and falls in profile

Highlights Maltzan's
sculptural talent

Recall the imagine
of a geometric hill village



Many functions in one single complex

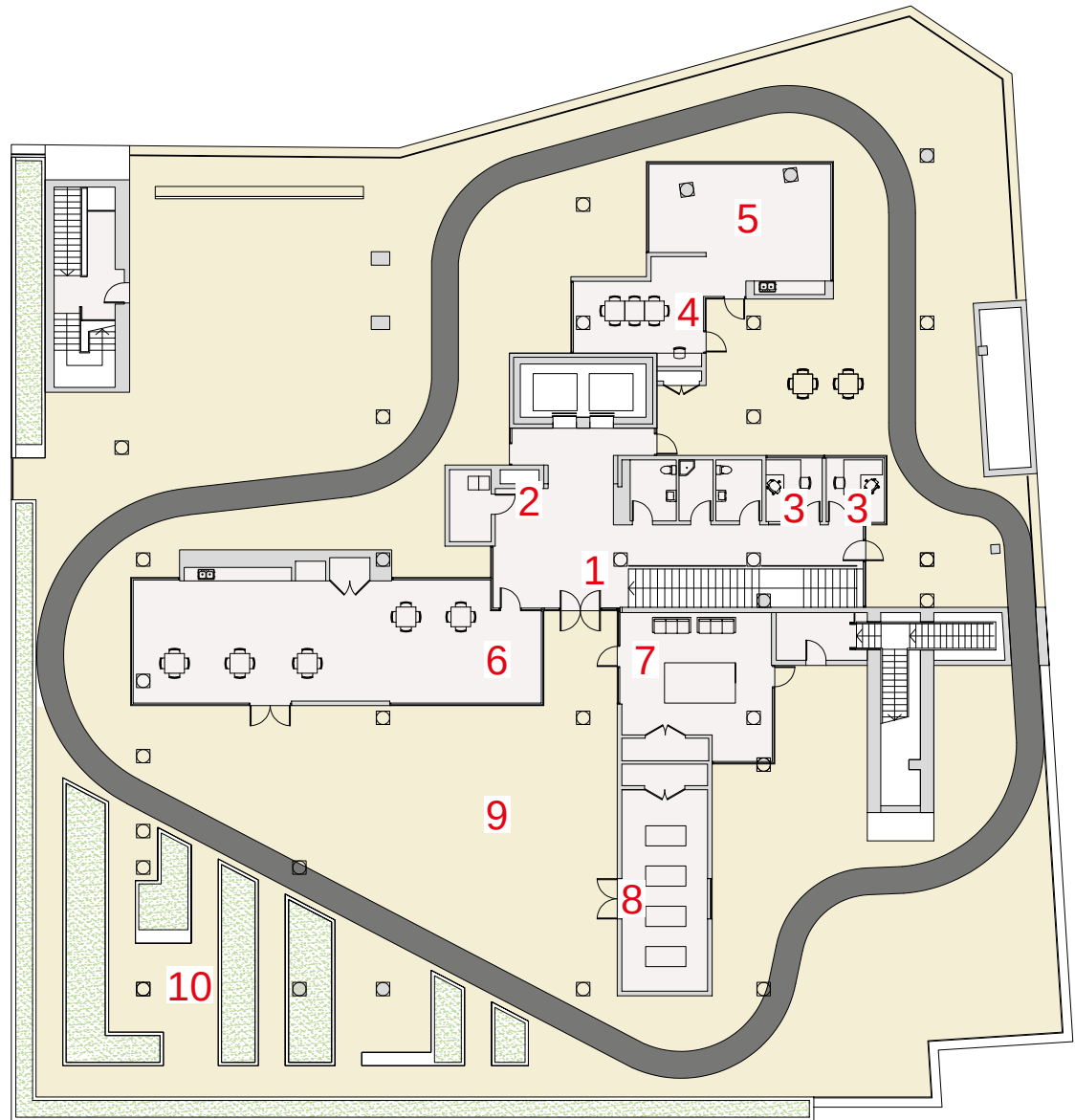


Architecture as a tool for social inclusion



Communal spaces and areas to interact and socialize

- 1- Lobby
- 2- Reception
- 3- Office
- 4- Library/Meeting room
- 5- Art Lab
- 6- Kitchen/Dining area
- 7- Multifunctional area
- 8- Gym
- 9- Patio
- 10- Garden



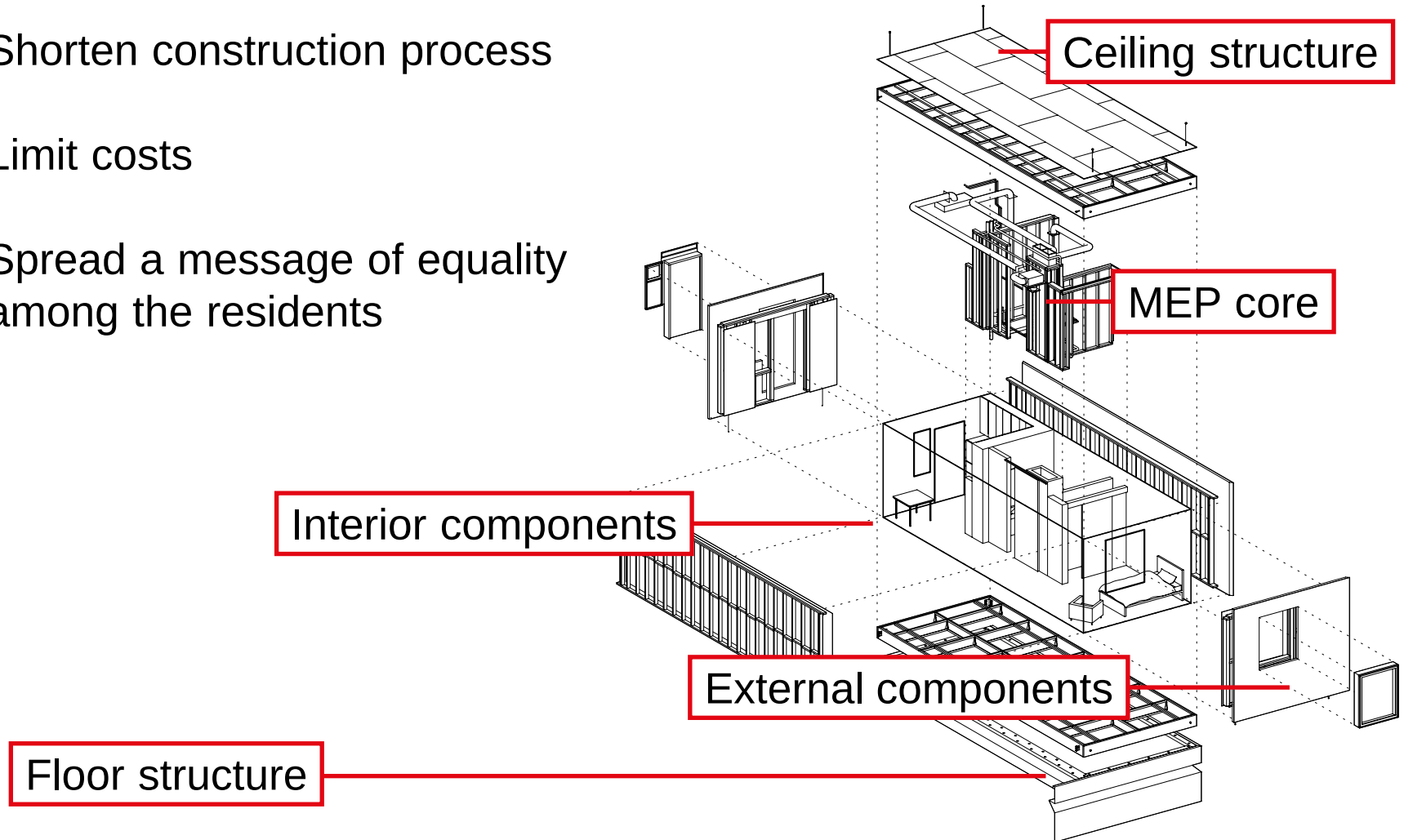
First floor plan

Prefabricated accommodation to:

Shorten construction process

Limit costs

Spread a message of equality among the residents





The Roy and Diana Vagelos Education Center
New York, USA
Diller Scofidio + Renfro

Architecture as a functional sculpture

Post-tensioned floor slabs
in self-consolidating concrete
alternate with clear glazing

A functional choice that allows
the south façade to look like an
artistic composition and be
self-shaded, naturally illuminated
and visible from the world outside

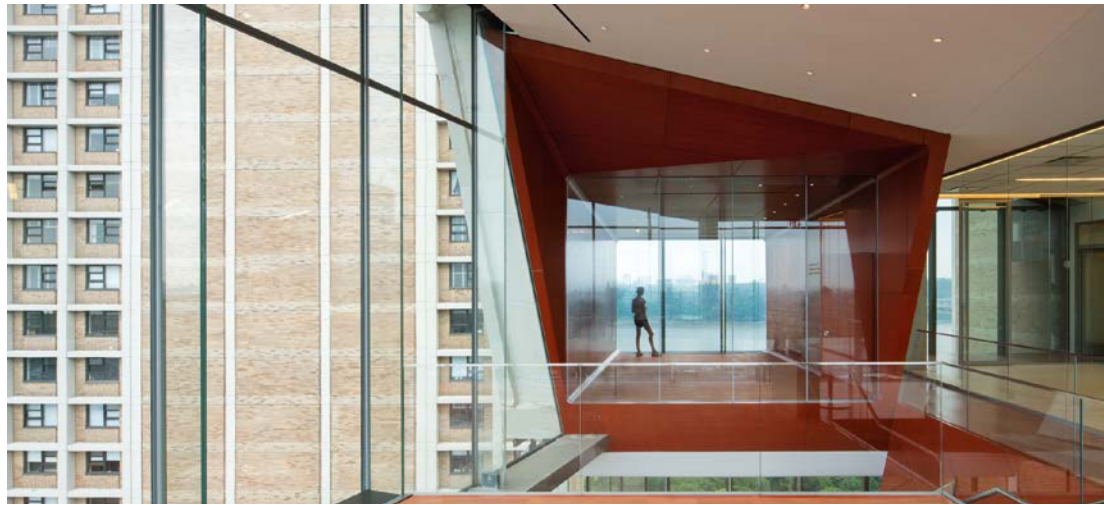


Staircases act as supporting elements, as well as a cascade of social and study areas to promote interaction and interdisciplinary knowledge at the different levels



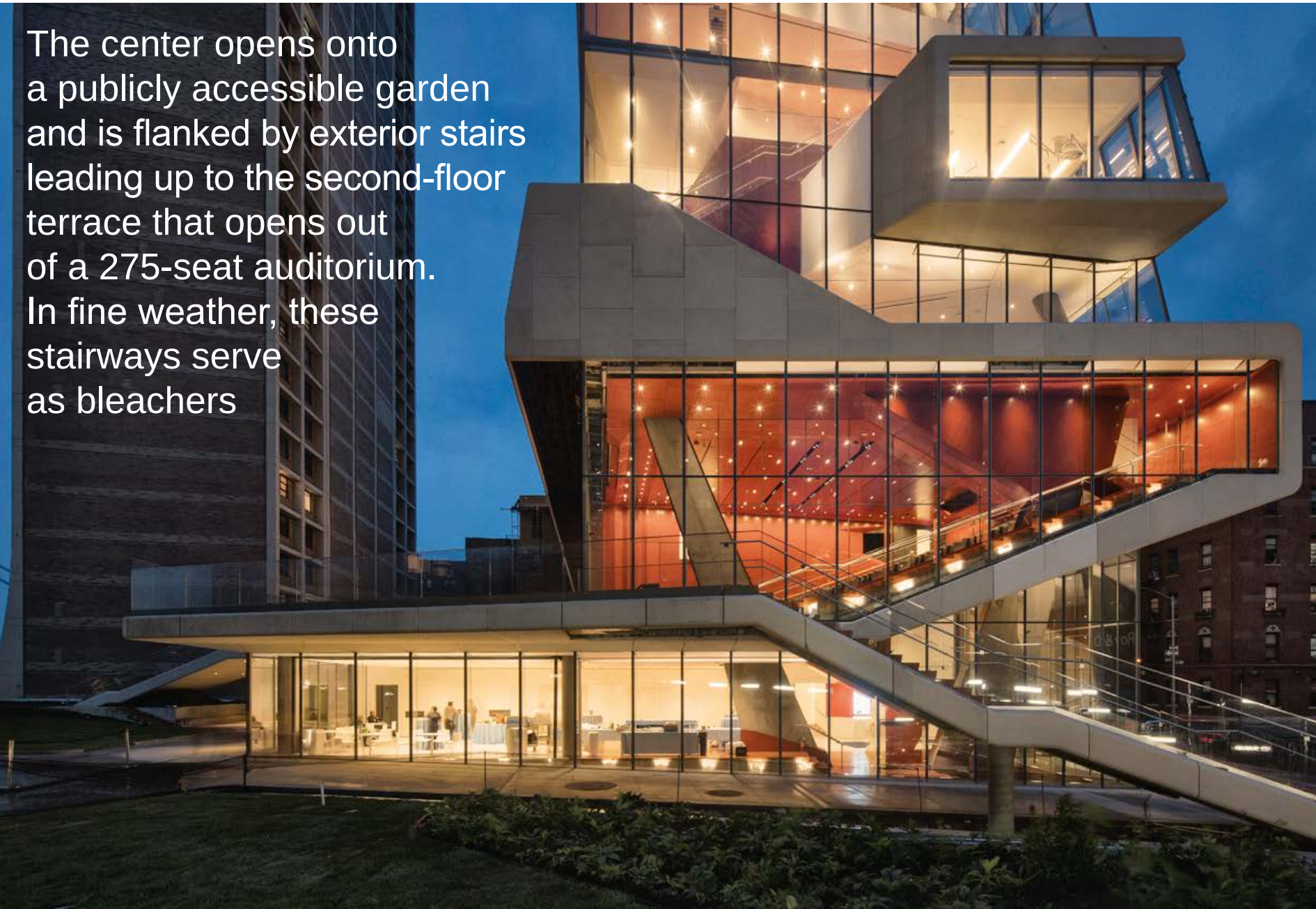
A bridge between city and gown

Clinical and learning activities on display to highlight the varied program of Columbia's medical center



The missing piece to foster social aggregation

The center opens onto a publicly accessible garden and is flanked by exterior stairs leading up to the second-floor terrace that opens out of a 275-seat auditorium. In fine weather, these stairways serve as bleachers





Renovation of Les Docks

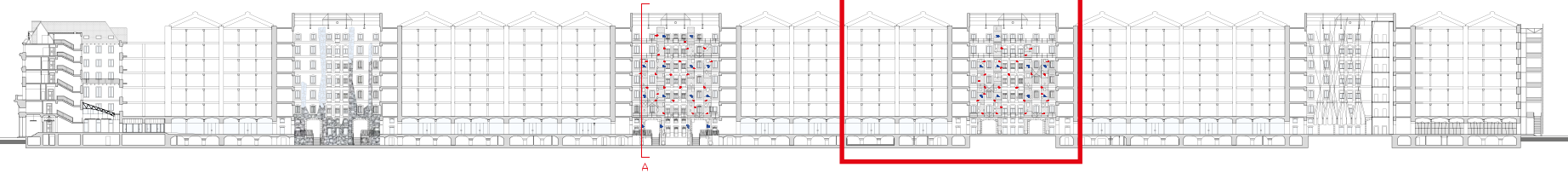
Marseille, France

5+1AA - Alfonso Femia Gianluca Peluffo

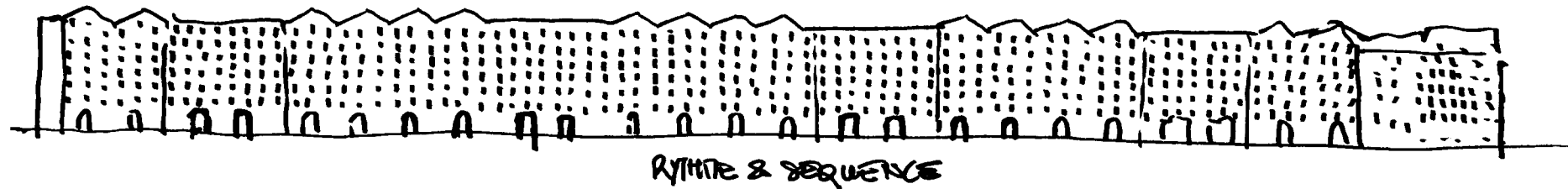
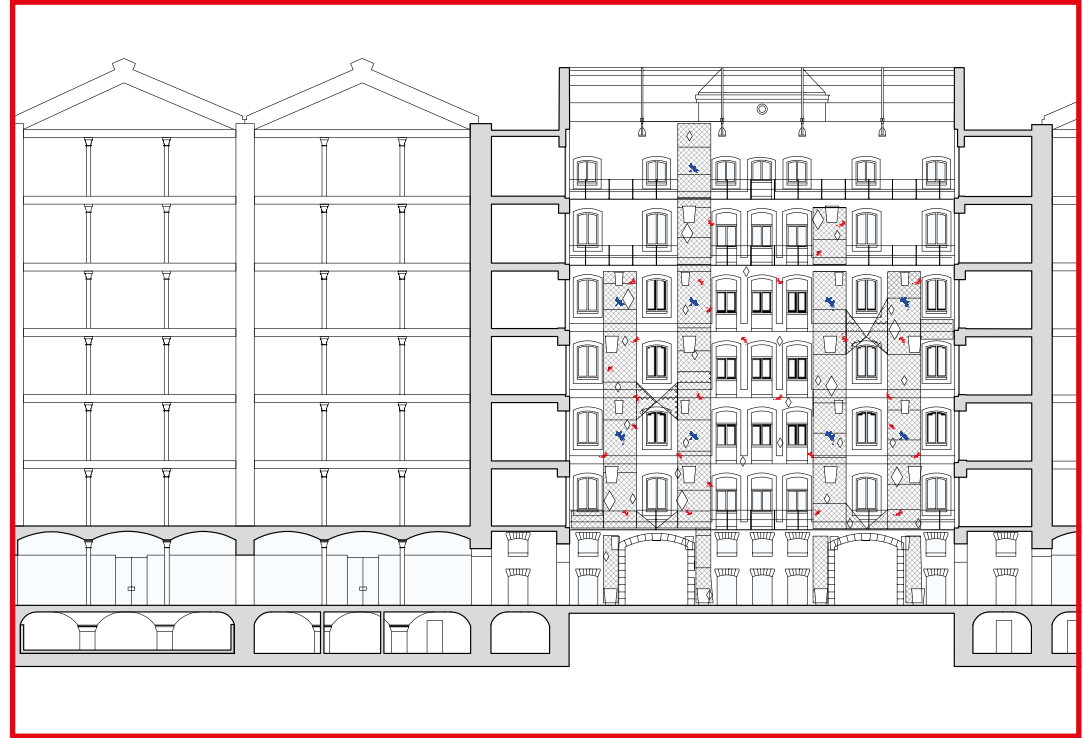
A compact and distinct complex becomes
a public container of retail, recreational and
cultural activities



Longitudinal section

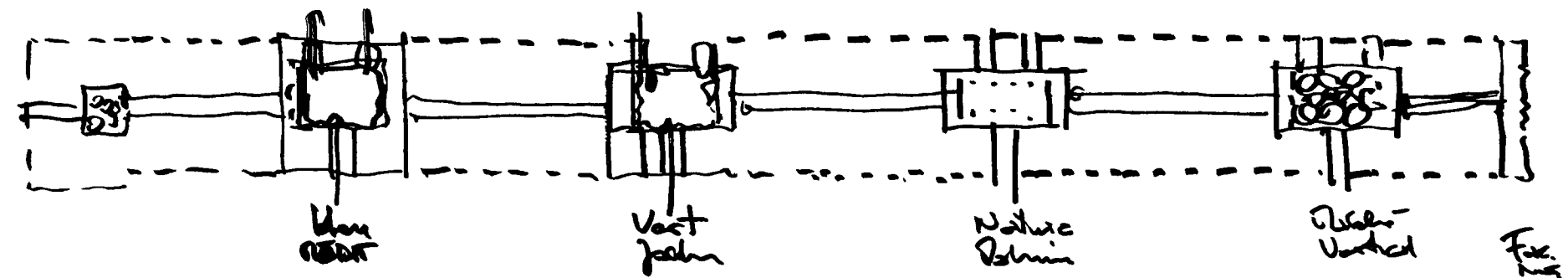


Rhythmically repeated
volumes generate a
homogeneous scheme



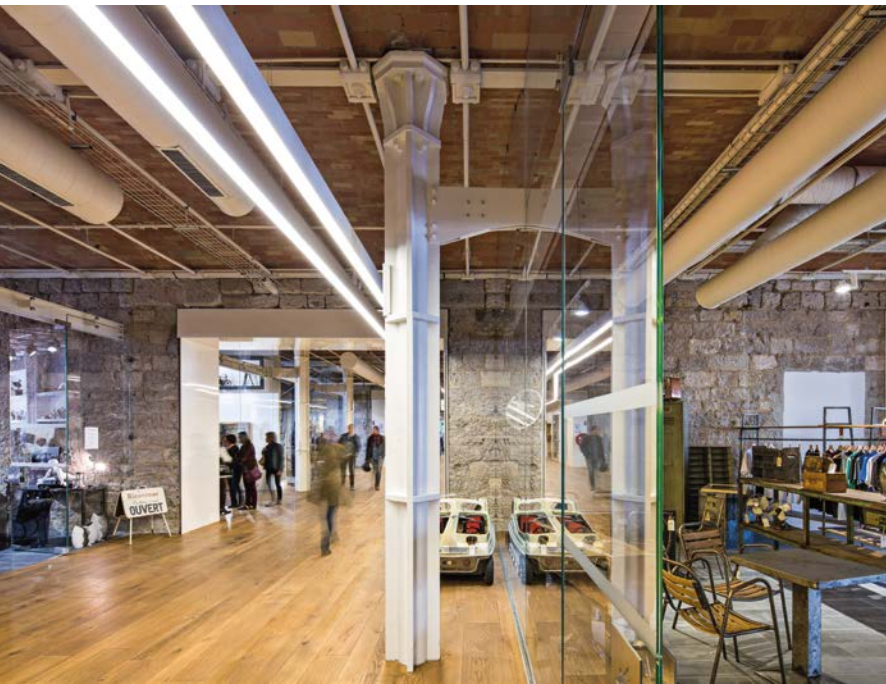


Four courts
on different levels
as key element
of the intervention





Interior conceived as small words
with characteristic ambiances
and features





Opificio Golinelli
Bologna, Italy
Diverserighestudio

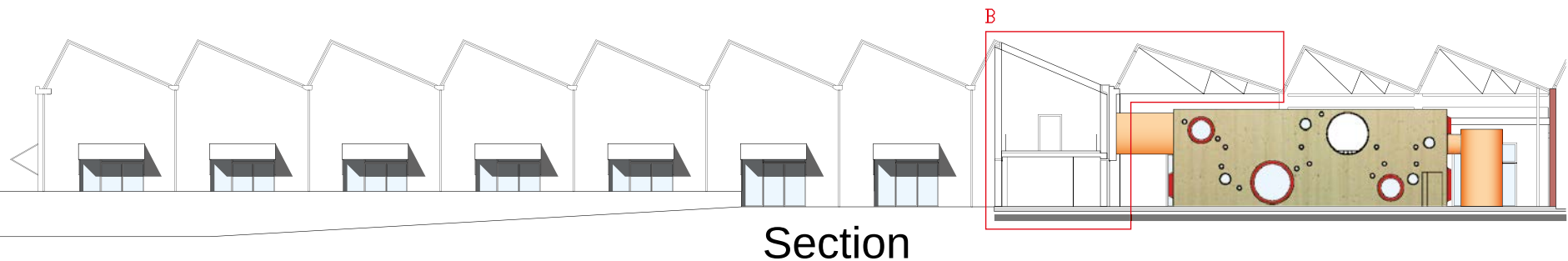
A decommissioned factory becomes a center
that gathers education, apprenticeship
and cultural programs



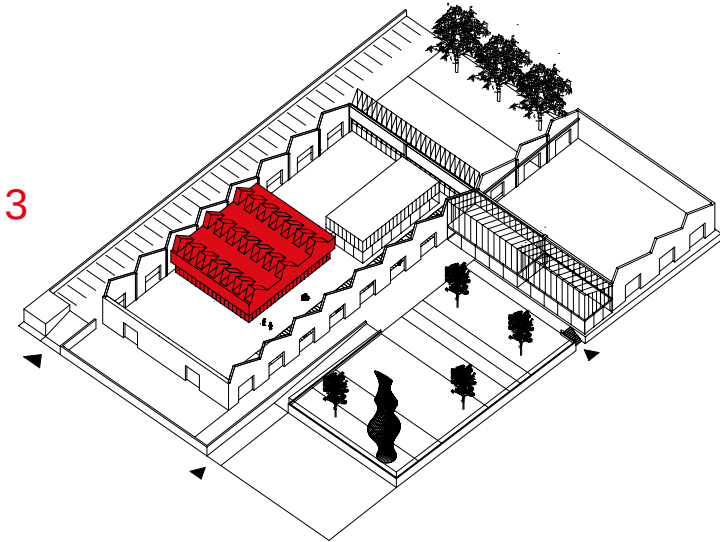
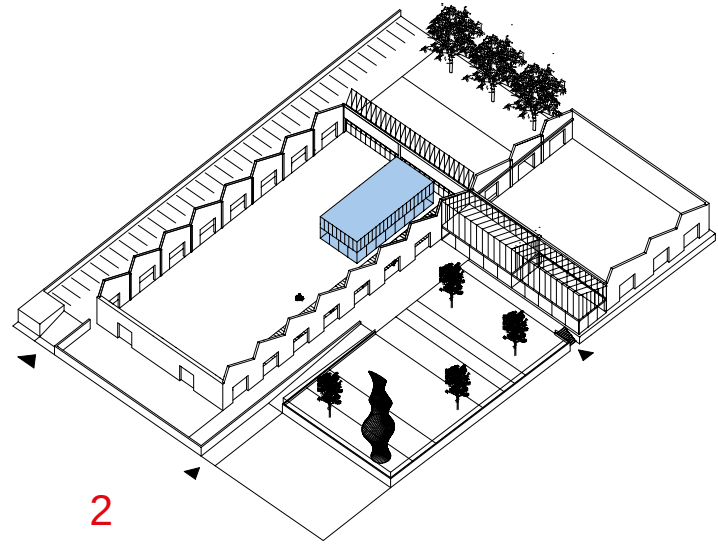
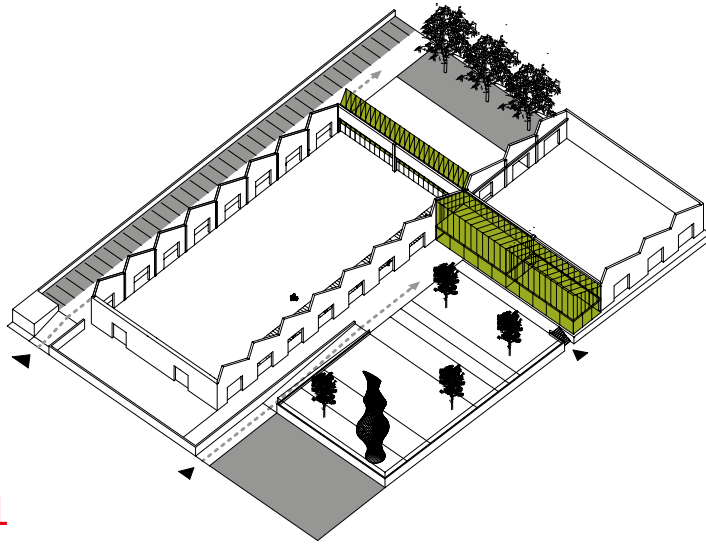


Conservative reinterpretation of the layout

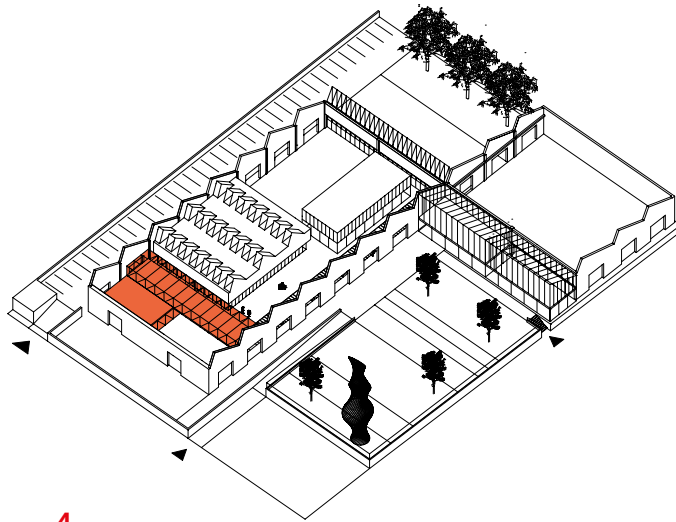
Lightweight metal structures translated
into a “skeleton” of elements of
potential freedom



Functional layout

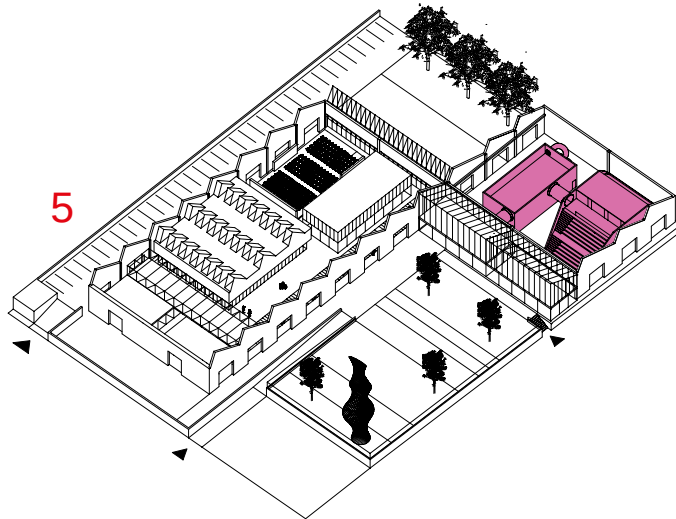


- 1- Vehicle parking, entrances and sun-shading systems
- 2- Foundation offices
- 3- Hands-on science labs

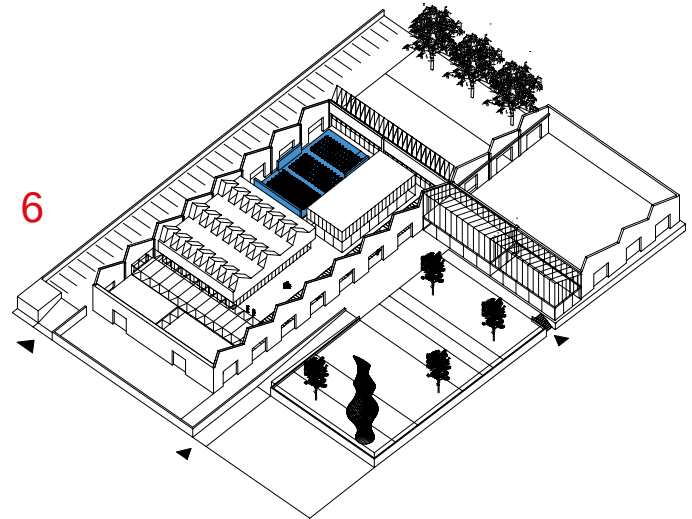


4

- 4- Enterprise nursery
to nurture the entrepreneurs
of the future
- 5- School of ideas
Workshops for children
from 18 months to 13 years old
- 6- Educate to educate
Teacher workshops
and refresher courses



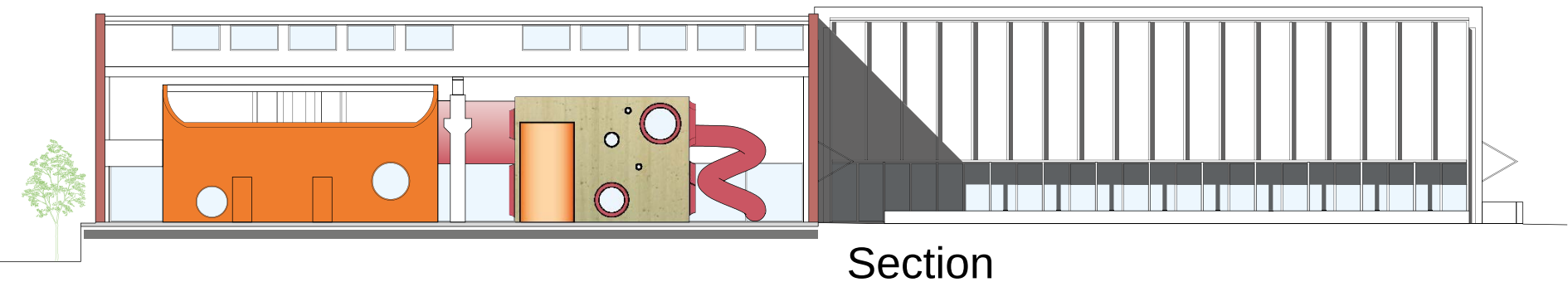
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6



A design to stimulate imagination
and nurture interdisciplinary knowledge



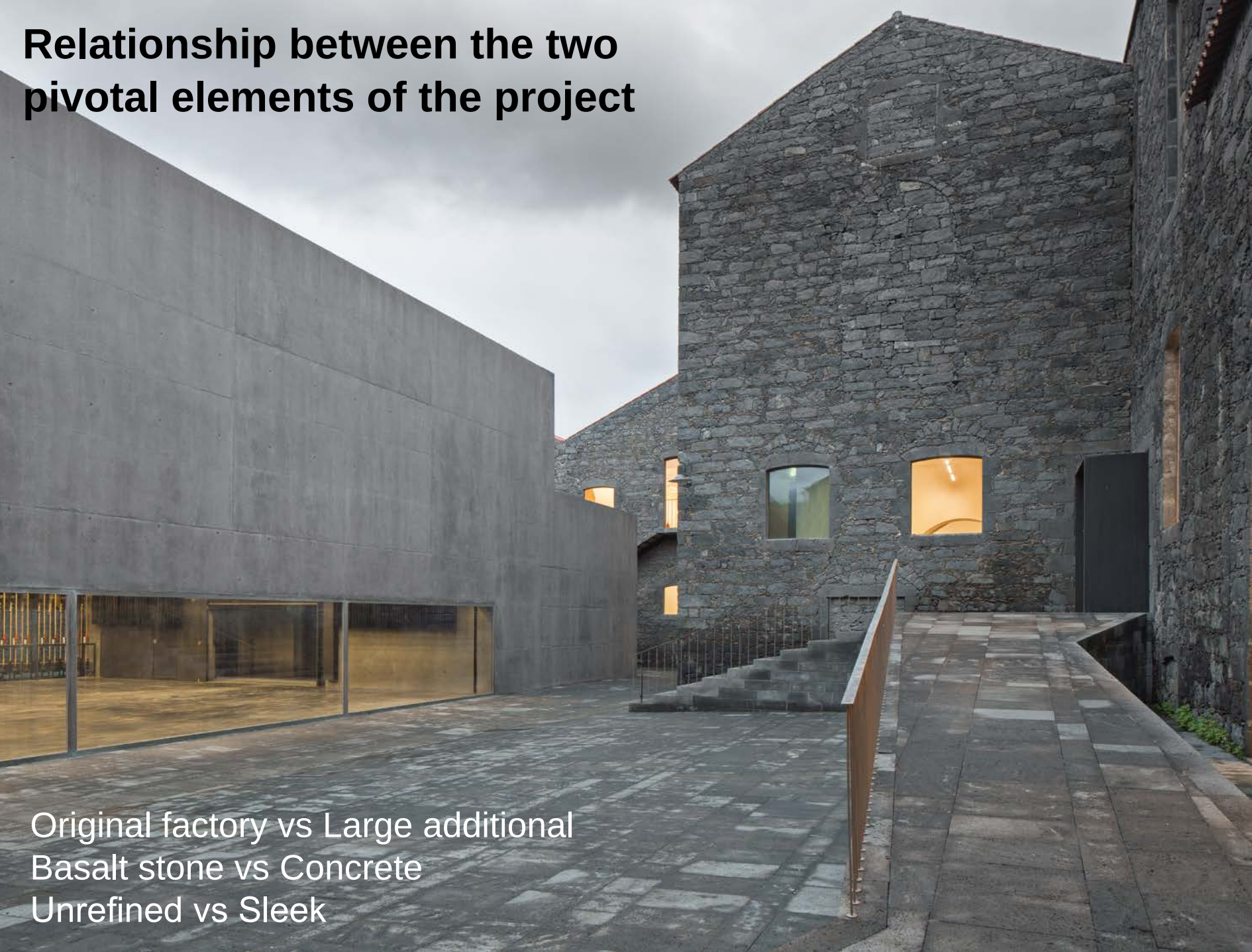


Arquipélago - Center for the Contemporary Arts
São Miguel, Portugal
Menos é Mais + João Mendes Ribeiro



Stands out from the rest
of the urban fabric while
keeping the silhouette
of a disused factory

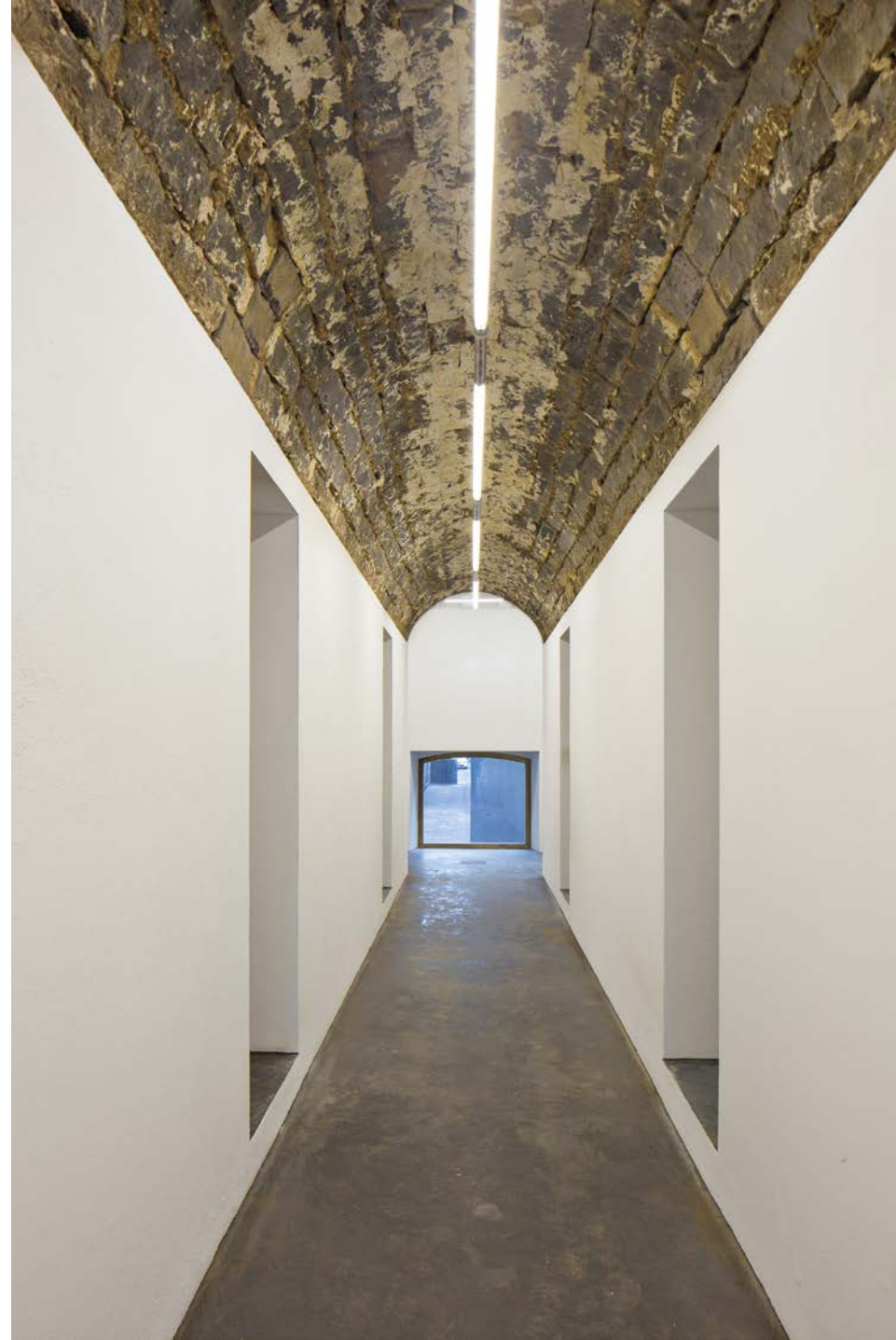
Relationship between the two pivotal elements of the project



Original factory vs Large additional
Basalt stone vs Concrete
Unrefined vs Sleek



Interplay
of old and new
continues inside the
building, reinforcing the
strong character of the intervention



Game of light and shades
frees the spaces from any useless
decoration, giving it an unprecedented
depth and allowing infinite spatial configurations





Casa do Vigario
Paredes, Portugal
AND-RÉ

Spatial distribution dovetails with the old walls, dividing the house into three parts:

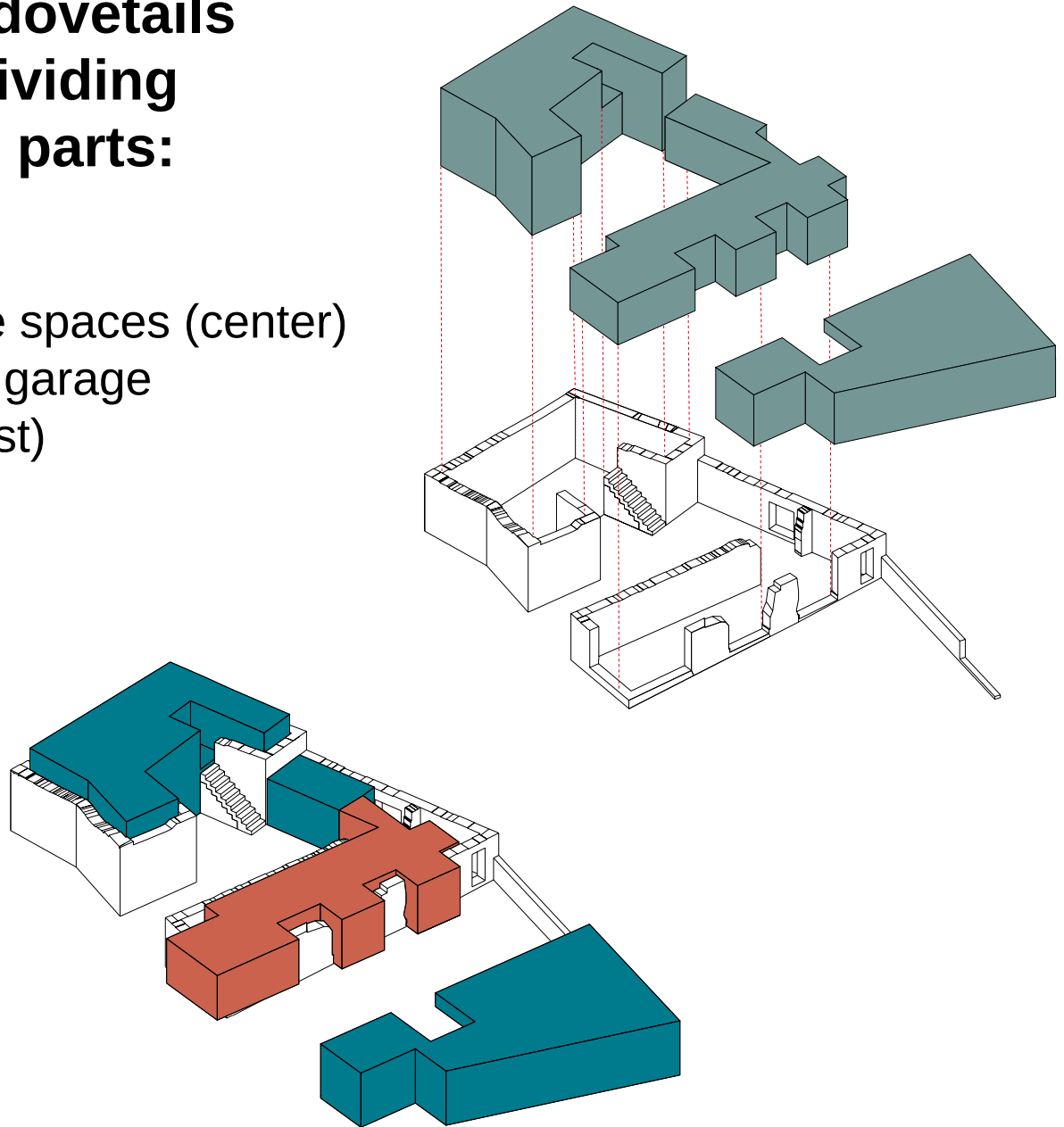
- Living area (west)
- Bedrooms and private spaces (center)
- Plant and equipment, garage and laundry room (east)

□ Existing ruins

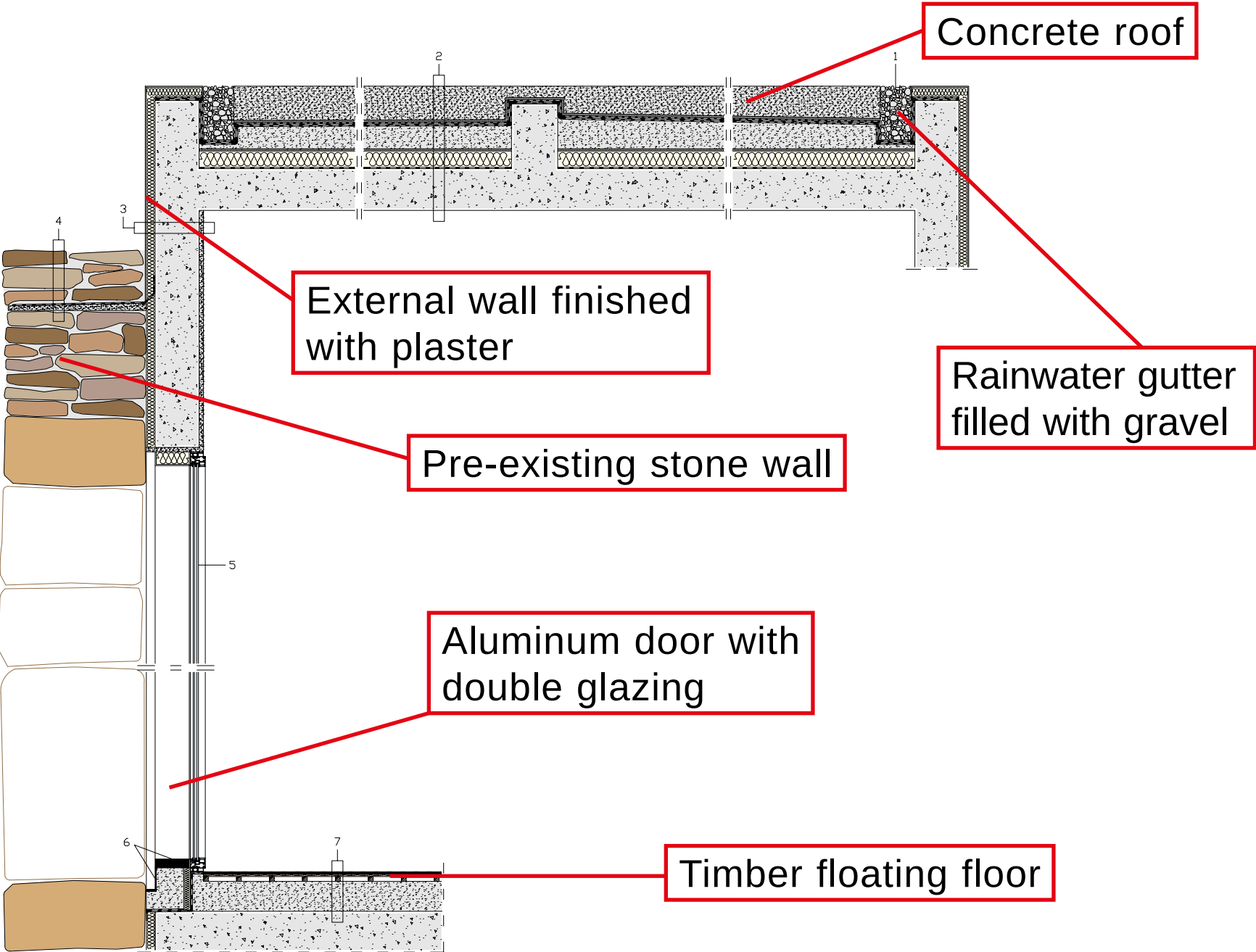
■ New volume

■ Private area

■ Public area



Juxtaposition and blend of ancient and contemporary features



The windows cut into
the stones of the old wall:

- Carry the past into the new setting
- Offer unusual perspectives





The project creates
a new living organism
that springs from the
remains of the walls

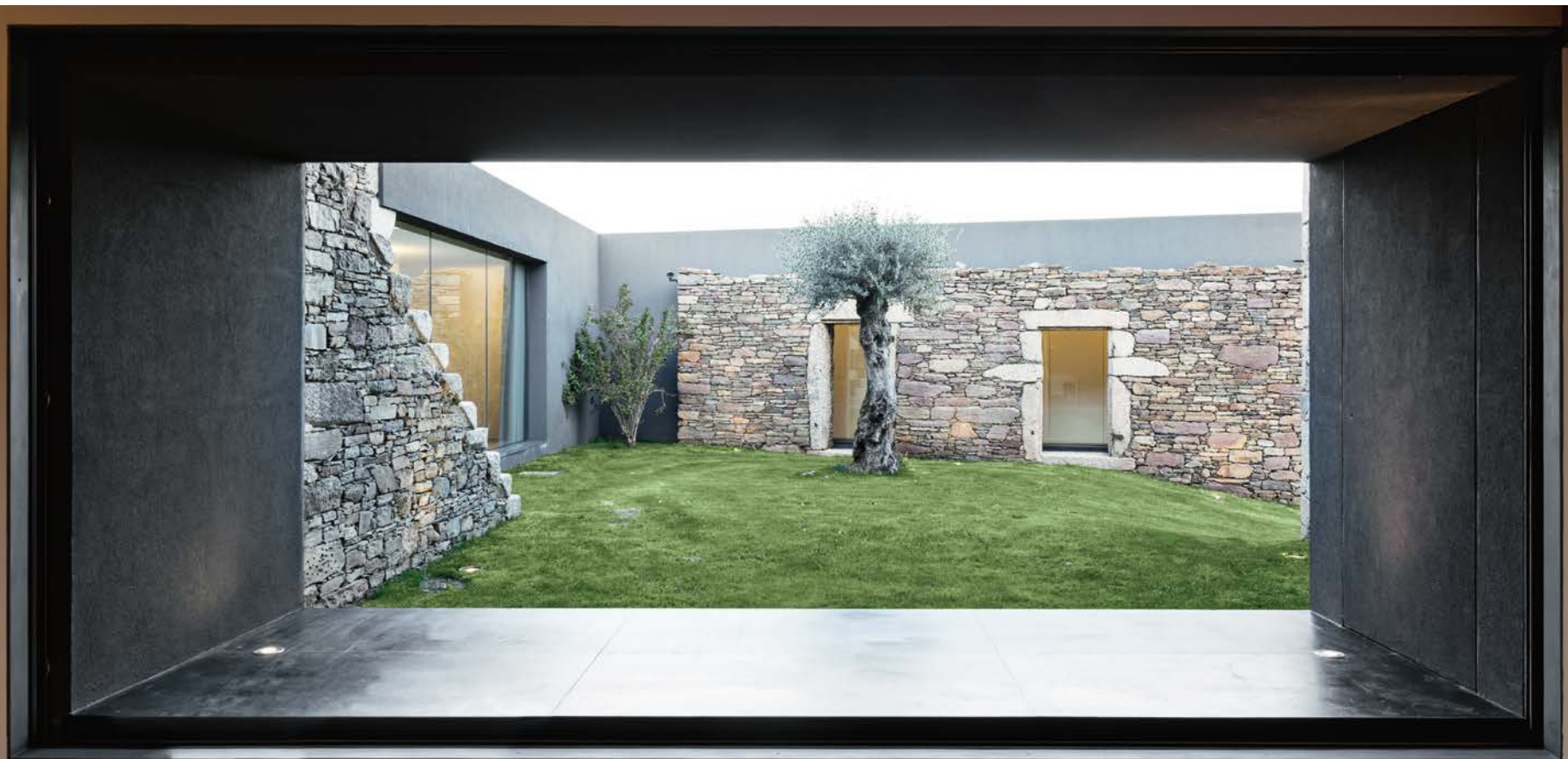


Large deep apertures overlook
onto the enclosed part of the property



Small patios created between ancient walls and new structures ensure:

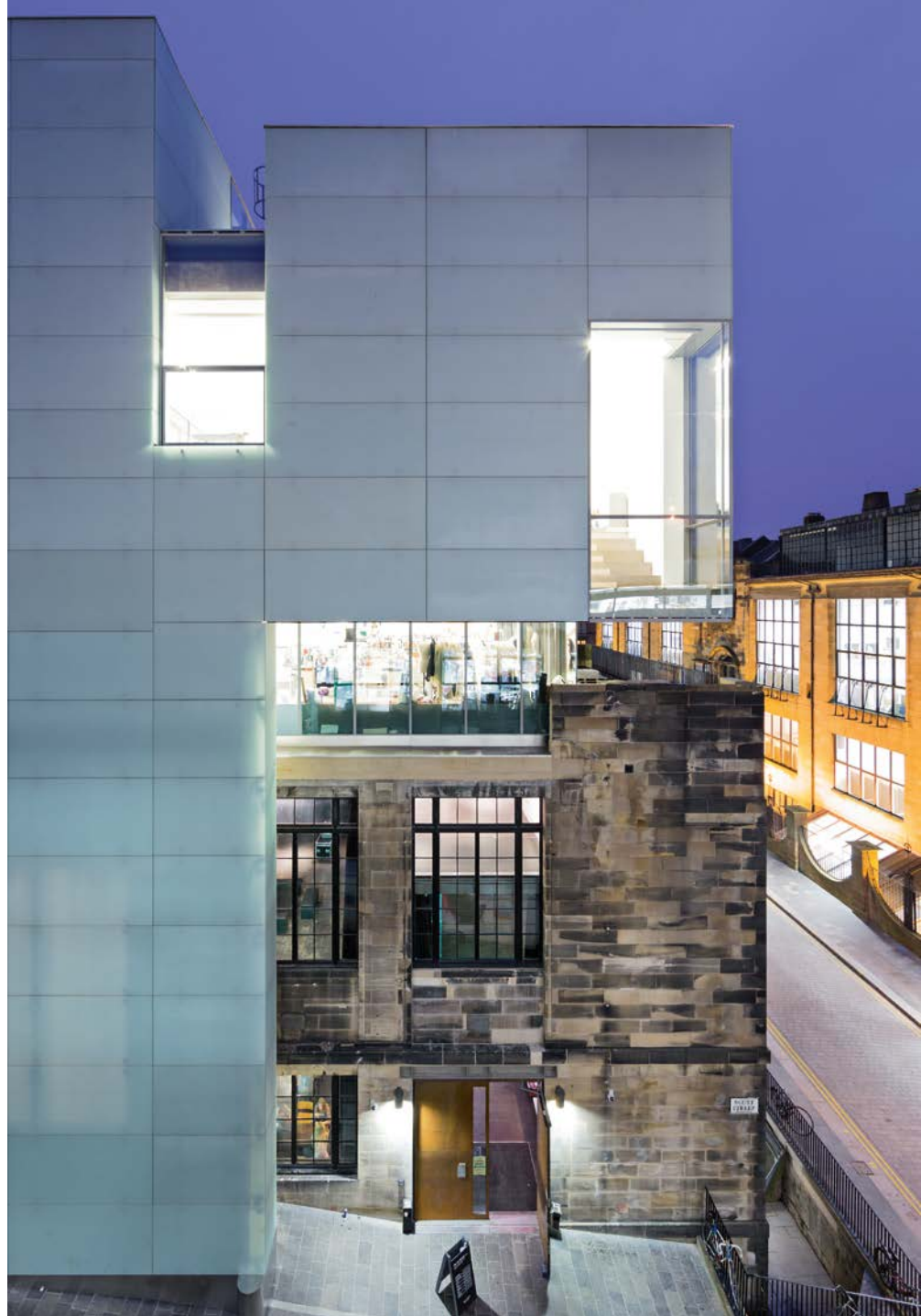
- Privacy
- Natural light in interior spaces
- Visual porosity and contact with nature
- Pleasing continuity of materials and colors between old and new, interiors and exteriors





Reid Building, Glasgow School of Art
Glasgow, UK
Steven Holl Architects

**Celebrative and
respectful approach**
to the intervention
by Charles Rennie
Mackintosh in 1897

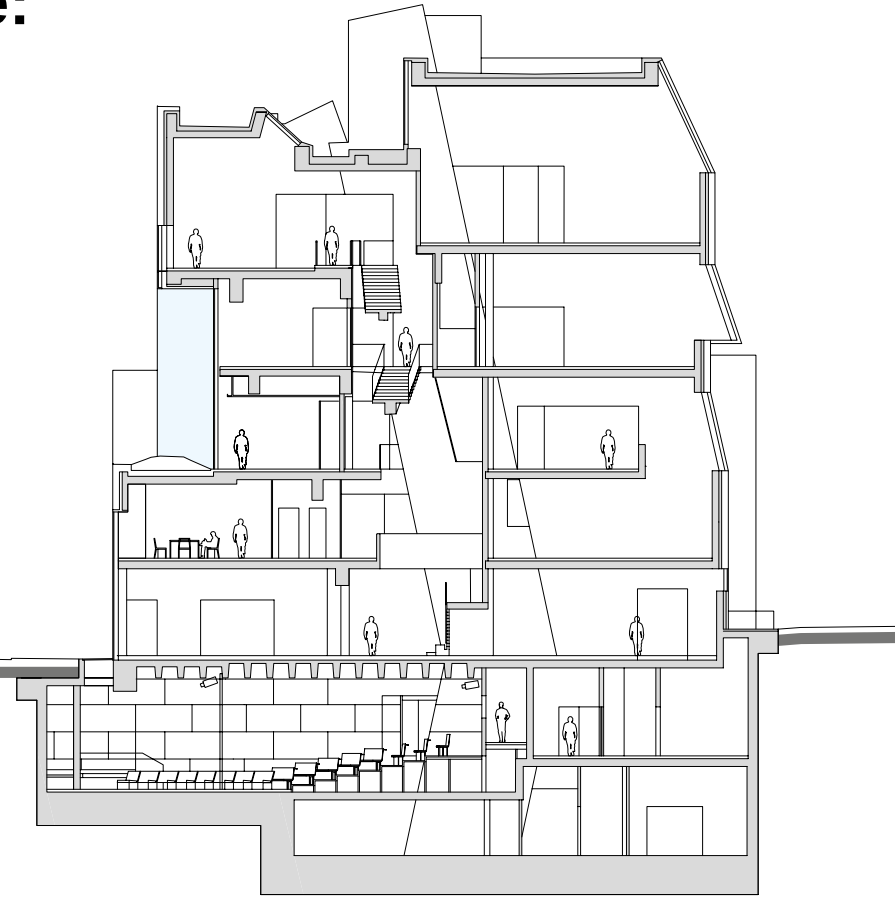
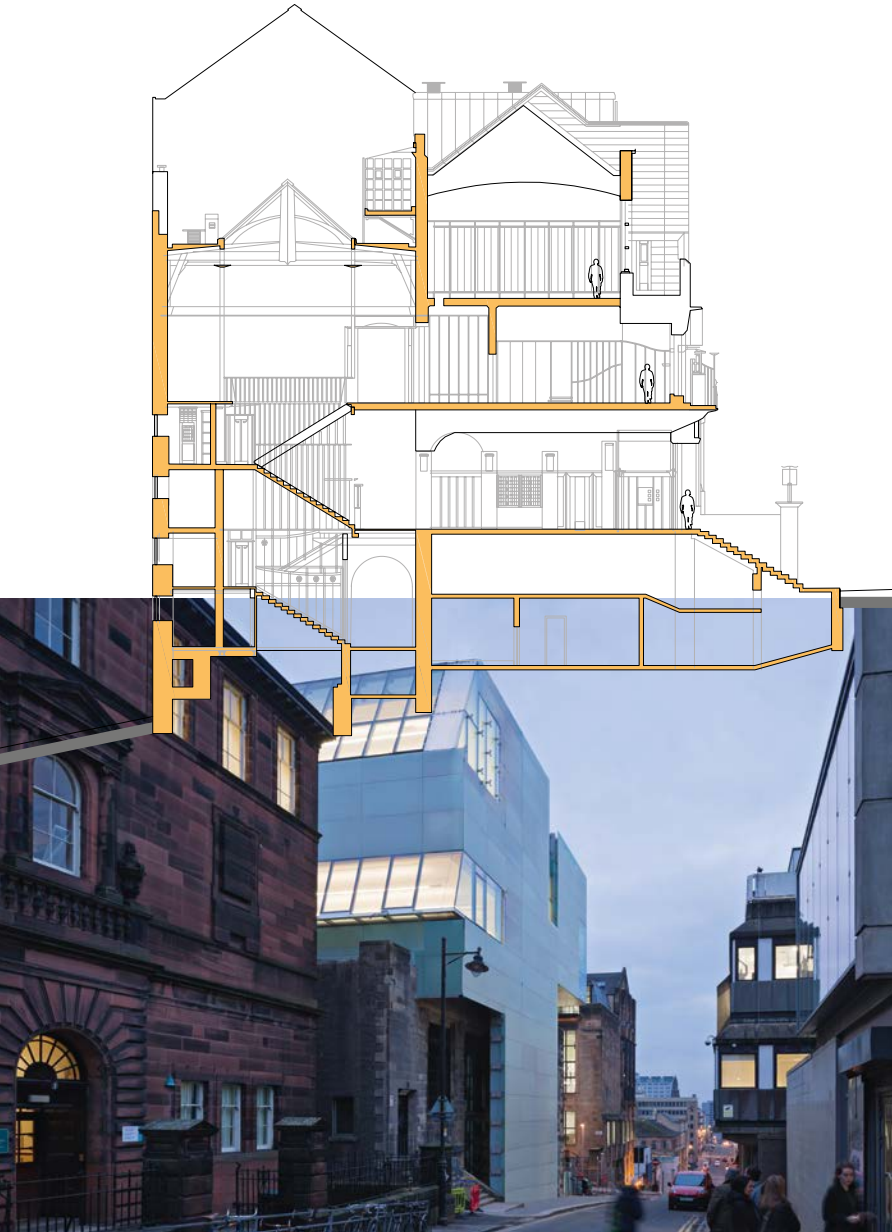


Thoughtful study
of existing urban
grid and fabric.

The result is an architecture
that stands out without
revolutionizing the context



Mackintosh' narrative reinterpreted in a modern language to ensure:



Same proportions

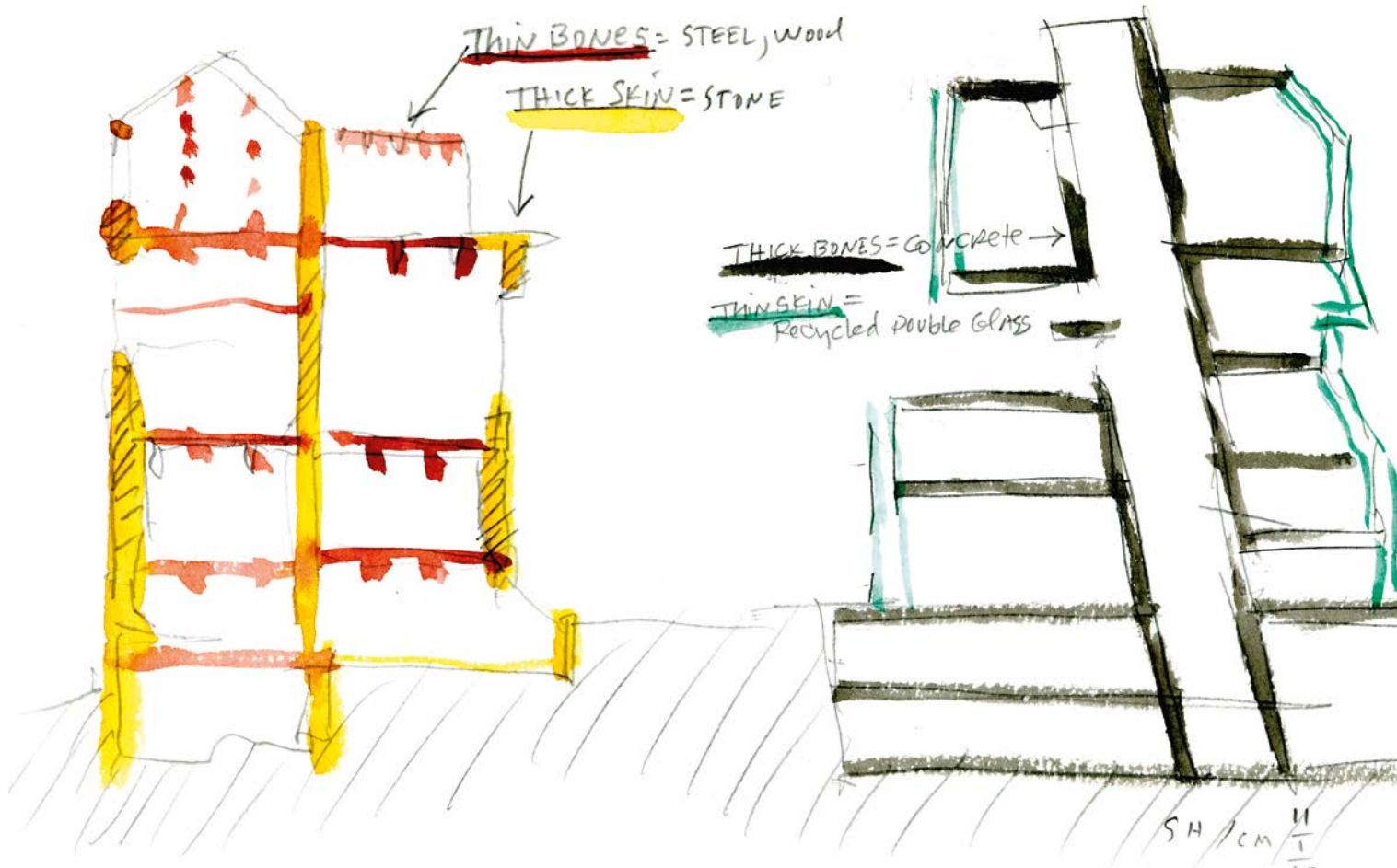
Dynamic and homogeneous
rhythm between the two buildings

Games of contrasts:

Mackintosh vs Holl

Stone vs Glass

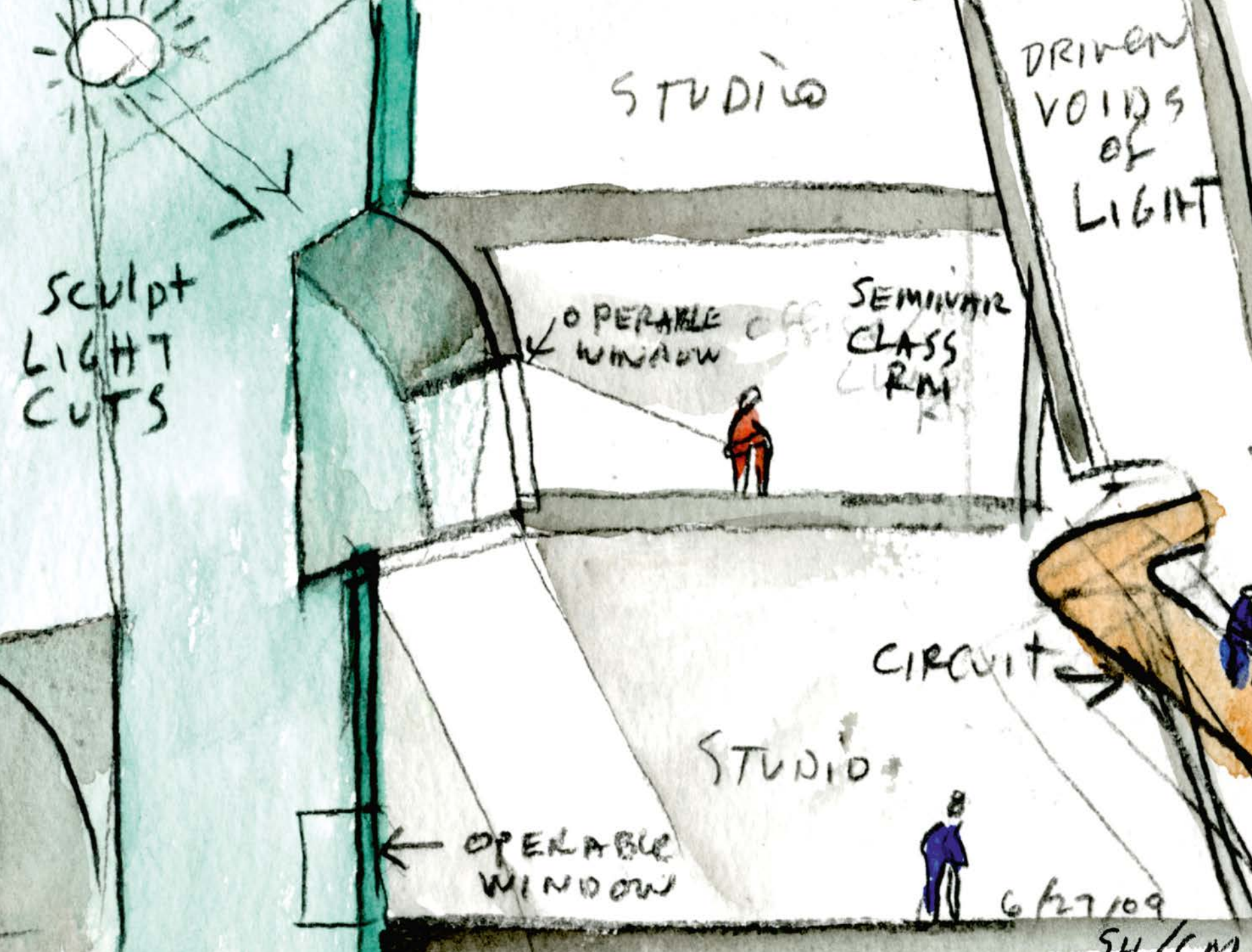
Compact vs Porous





Natural Northern light filters through the translucent elevations and emphasizes the interior activities





STUDIO

DRIVEN
VOIDS
OF
LIGHT

SCULPT
LIGHT
CUTS

OPERABLE
WINDOW

SEMINAR
CLASS
RM

CIRCUIT

STUDIO

OPERABLE
WINDOW

6/27/09

SH/CM

RECYCLED MATTE GLASS
BLOCK SCULPTED
BY LIGHT

- 1) DRAWN LIGHT
VOIDS
- 2) SCULPT LIGHT CUTS
- 3) CONVEX WINDOW
BAYS

6/27/09

57° SUMMER
MAX

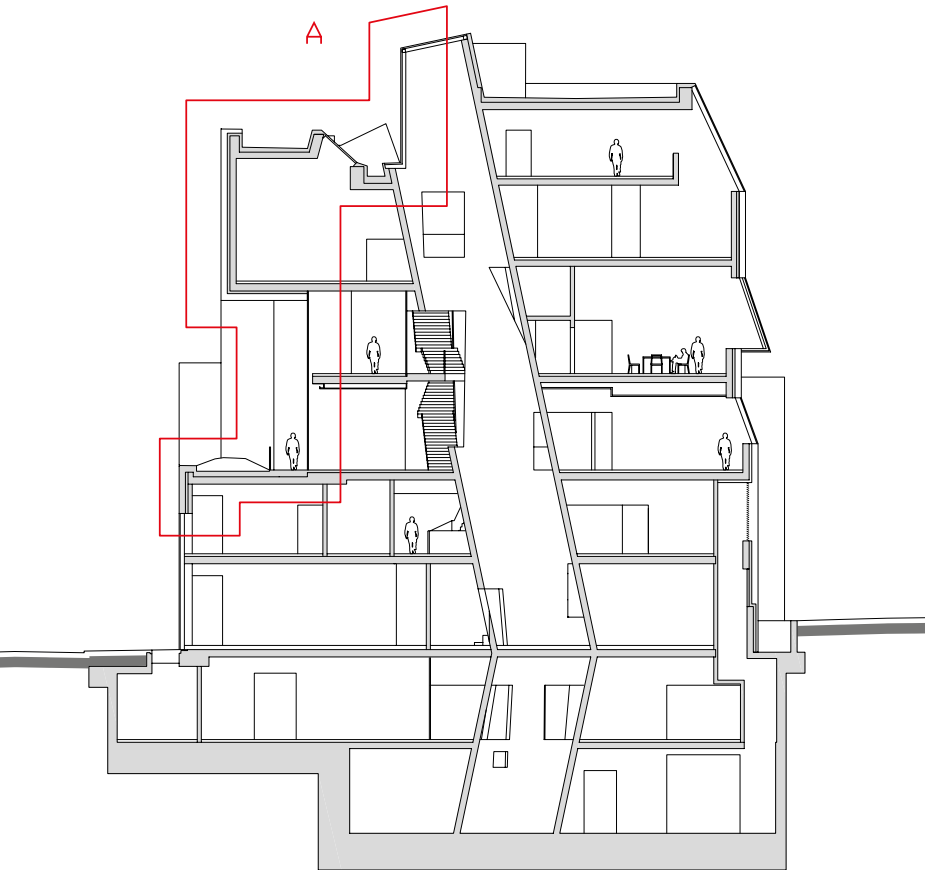
11° WINTER
MIN

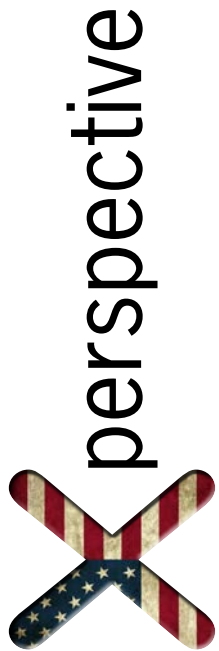
11° WINTER

Light well creates a central void to:

Filter sunrays

Physically connect
the different levels





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ARCHITECTURE AND SUSTAINABILITY: TOWARDS A MORE CONSCIOUS DESIGN APPROACH

ARCHITECTURE AND SOCIETY: CREATING A MORE FRIENDLY BUILT ENVIRONMENT

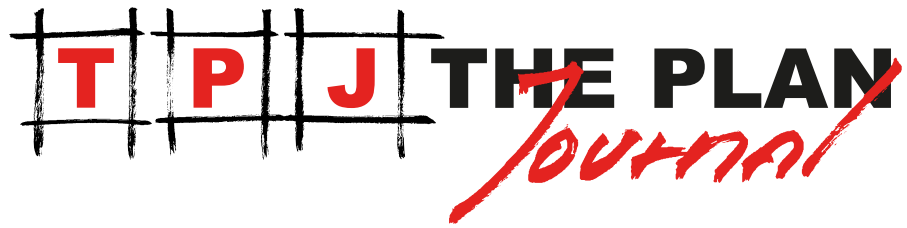
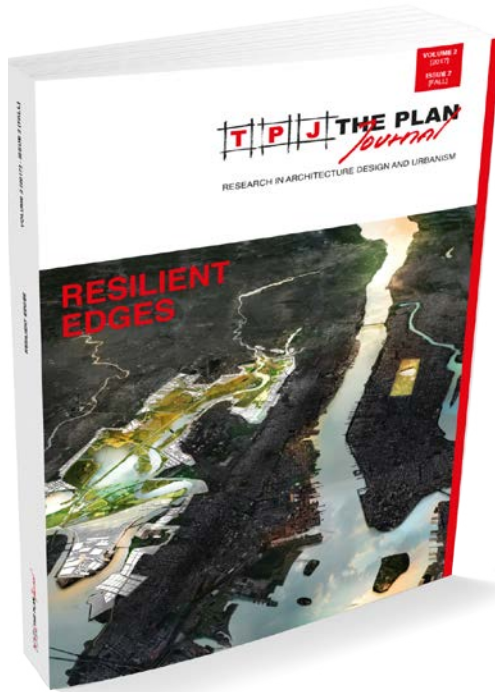
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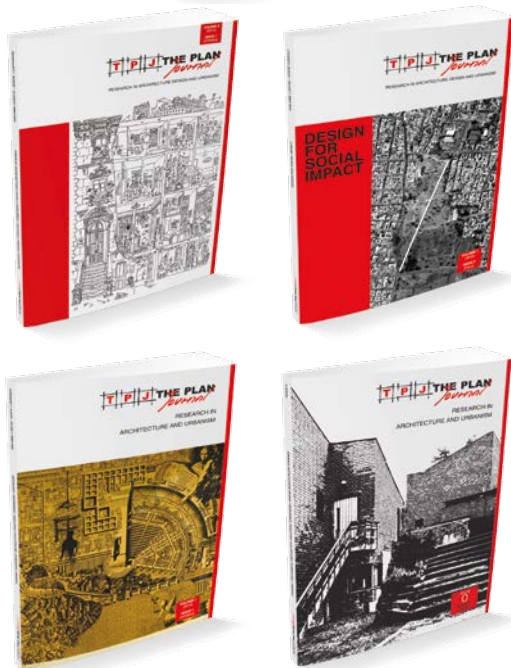
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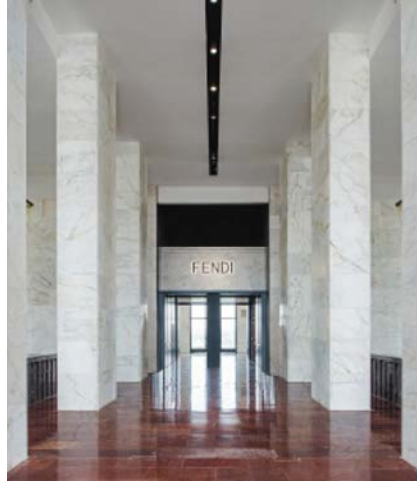
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Maurizio Sabini Editor-in-Chief



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**THANK
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