LEWISHAM
LIVING & EATING COMMUNITY
IN CATFORD

SUMMATIVE SUBMISSION

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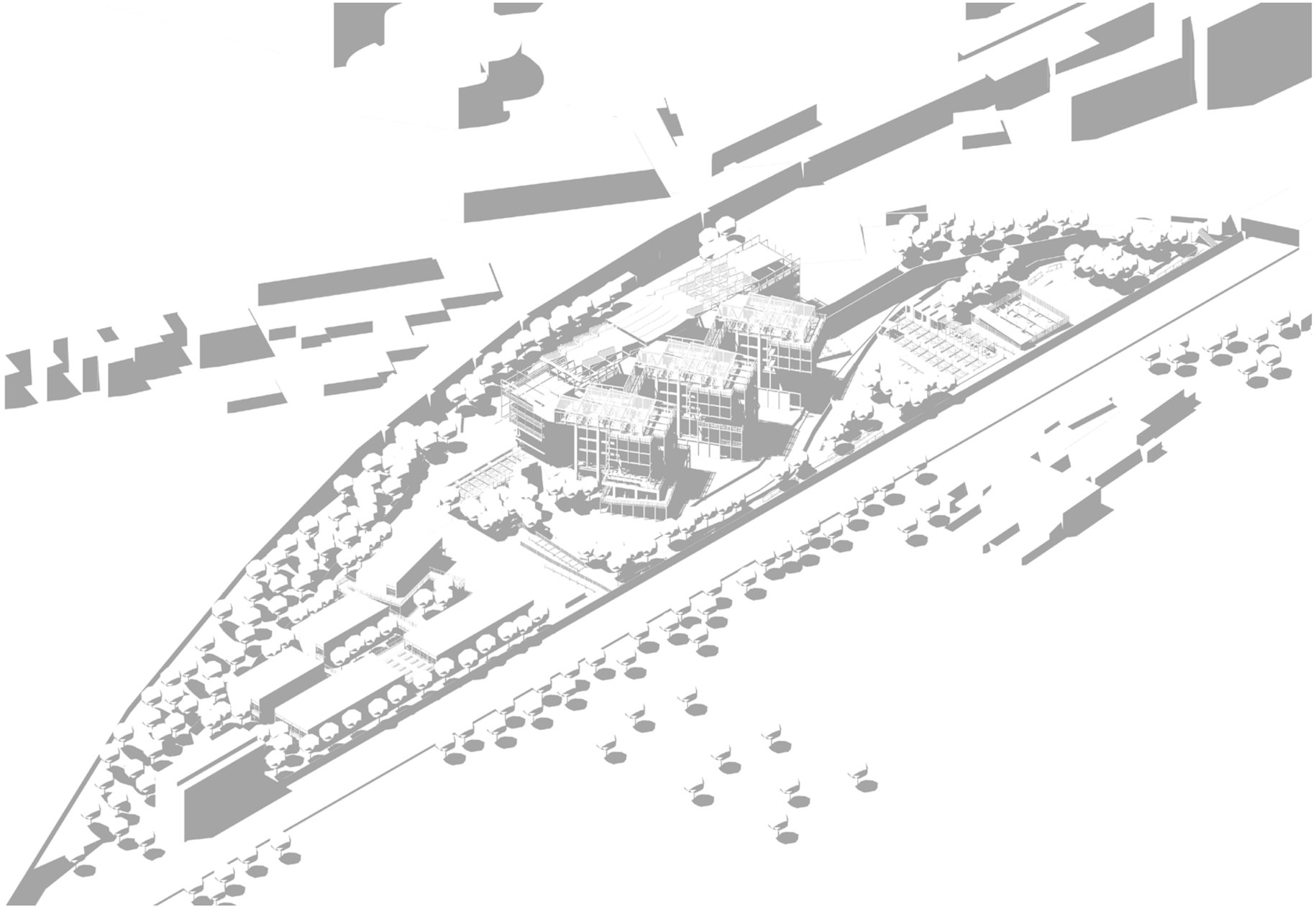
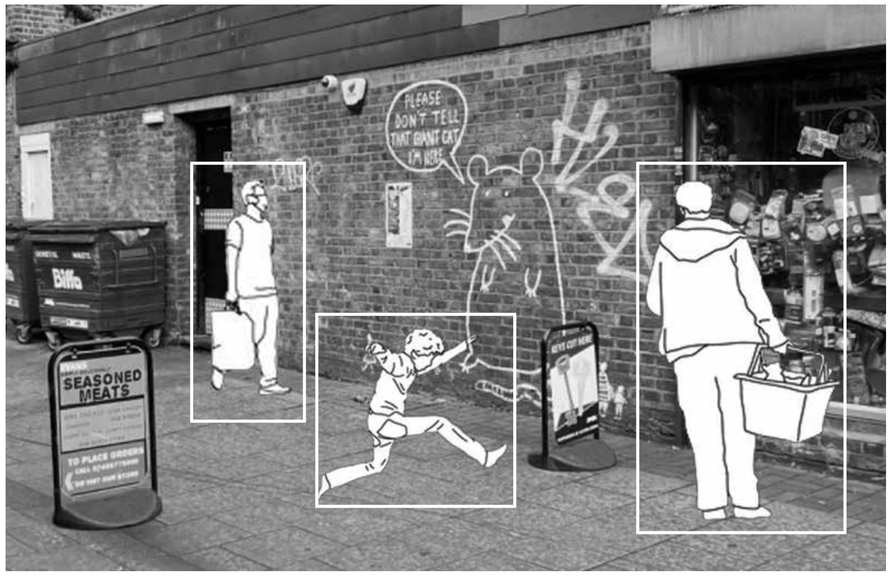
Stage 3 Studio 3



Introduction



Catford is a district in south east London, England, and the administrative centre of London Borough of **Lewisham**. The Catford Town Center is a priority area of regeneration. Meanwhile, residents in Catford are expericing a series of issues including f**ood poverty & insecurity, older people isolation & deprivation** and **youth crime**. The existing of community kitchens and community centers helps reduce these issues.

The project is developed in a semi-circle shape site, which surrounded by two rail roads and Catford Road and near a linear park and The Jubliee Grounds. **The Ravensbourne river** meanders through the site, due to potential flood risk to the buildings, the river channel is now covered. The **circulation of the site is weak**, aside from the main public connection at North, access is limited to entry through Ravensbourne Confluence Park at the middle west of the site.

In the Catford Town Centre Framework published by Lewisham Council in 2021, the princles of the framework of the site are including removing existing old buildings to fully utilize the site, creating more **greenspace** for local residents and unveiling the covered **river**. The site is planned for the construction of a series of mixed-use buildings, with **community centers**, studios, and other shared spaces on the ground floor, while **new housing units** and gardens will be located on the 1st floor.

The Objective of this project is to maintain key strategies including **unveiling the river,** creating **greenspace and growing space, new housing unit** and **community space**, meanwhile creating **community kitchen** to address food poverty issues and offering solution for **senior co-housing**, retirees or those approaching retirement in Lewisham can choose to live corperative in co-housing project, to address older people isolation issues. By providing these communal spaces, strengthening the **connection between individuals and Lewisham community**.

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Community Kitchens & Actors Analysis

Food Poverty & community kitchens in Lewisham

29% Poverty Rate in Lewisham
25.93% in London

→ Food Injustice

Difficult to access fresh, healthy, and affordable food, relying instead on high-calorie, low-nutrient foods.

Age group affected by Food Injustice

D. Older adults

C. Adults

A. Children & Young People

B. Infant and maternal health

16 % parents and their children experience low or very **low food security** in Lewisham

Map of Lewisham Wards by Number of Residents Aged 65

2001-2250 *1751-2000* *1501-1750* *1000-1500*

Challenges the local old community is facing

Deprivation	**Isolation**
1 in 4 older people in Lewisham are living in deprivation	38.2% of pensioners in Lewisham live alone, almost 2 out of every 5 older people

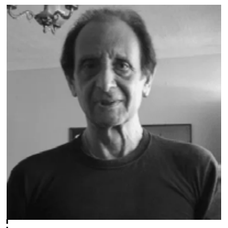
I. Actors, older people

Deprivation
1 in 4 older people in Lewisham are living in deprivation

Isolation
38.2% of pensioners in Lewisham live alone, almost 2 out of every 5 older people

Actor A

Refuse to join the community meal at first



Actor B

Retired and isolated, come for accompany and meet new friends

Actor C

Be struggling to afford living-cost

Actor D

Travel longway to the community kitchen

Actor E

Found overall sense of community and belonging

Community kitchen as solution

II. Factors preventing local commuinity use community kitchens

Initial Actor, Public

Individuals & Families

Not enough reasons to go, lack of other events happen in the space

Lack of awareness

Lack of companionship to engage

Mental Health and Pride as Barriers

Far away from the community kitchen

Provide accompany

Engage activities

III. Spaces, Community Kitchens

Lewisham Irish Community Centre

Free community meals

Mixed space use

- Lewisham Irish Community Centre

South Norwood Community Kitchen

Community kitchen, cafe & shop

Mixed space use & activities

- Youth-run Cafe for local young people stay off from the streets
- Other space uses

Refettorio Felix

Lunch service

Mixed space activities

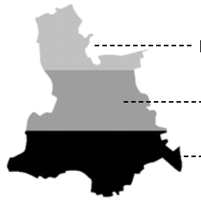
- Support services including therapy and free hair cut

Brixton People's Kitchen

Mobile kitchen on bike

- Community kitchen space **eventually closed** due to no co-users to share rent and risk

- Rely on **external funding**



Household food waste

Restaurant food waste

Supermarket and Retail Surplus → Delivering to **community kitchen** for cooking

Community space for canteen

Lewisham food waste analysis

Conclusion

Creating **mixed used space** with **community kitchen**

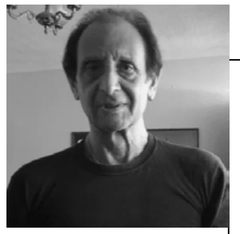
Mixed space use allowed more initial actors engage with the space, and shared risks

Community Spaces & Actors Analysis

Community spaces for old & young communities in Lewisham

Issues that older people in Lewisham facing

Isolation
38.2% of pensioners in Lewisham live alone, almost 2 out of every 5 older people



Actors: Older People

Project:
Meet Me at the Albany, by Entelechy Arts

Site

The Albany in Deptford

Building's Space Uses

- 4 performance spaces

- Café bar, rehearsal and meeting rooms, community garden, and office space

Activities

-Choir, Writing and workshop Making

- Dancing & Singing

- Brings formerly lonely or isolated older people together with **creative activities**

- Improving life quality of older people by holding **events**

- Create **community** for older people to make friend

Project: Club Lewishmam

- Only for Lewisham residents who are **aged 60+**

- Activities from **social** to **low-intensity exercise training**

- **No exclusive use** of the space

- **Charged** by membership → Relies on fees to pay for **venue rental** → **High fees** may **reduce users' willingness to participate**

Conclusion

- Providing **safe and comfortable closed environment** for local older community

- With **sufficient space** for **various community activities,** the venuerented out more frequently at low rent to achieve self-sufficiency in profit

CommUNITY Space in Lewisham

- **Free activities** from yoga to dance, and women-only sessions in consultation with local women and girls

- Rely on **external funding**

- Providing **safe and comfortable environment** for the local community to be active

Issues that children & young people in Lewisham facing

Unhealthy Food

Just over four in ten Lewisham children at Year 6 have excess weight and onein fourare obese

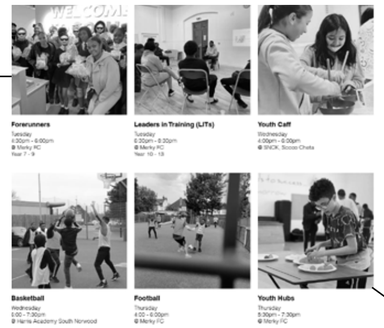
High Young Crime rate

The number of Lewisham children and young people entering the criminal justice system for the first time is amongst the highest in London

Actors:
Local Children & Young People

Young People Project:
Reaching Higher in Croydon

Create a **coaching environment** where young people can engage in a wide range of activities used to build their self-esteem and develop problem-solving



Activities:

- **Performing** Arts (dance, music, drama)
- **Creative Arts** (fashion, design, art)
- **Sports,** with a particular emphasis on football
- **Media** (film, photography, graphic design)
- **Life Skills** (cooking, financial management, career support)
- **1:1 Mentoring**

Closed:
Lewisham Way Youth & Community Centre in Brockley

Serving as a Youth and Community Centre for 45 years, it has been a crucial hub for diverse activities and programs. In its past, the center, providing safe space for young people

Currently closed:
Lewisham Training Kitchen in Catford

- **Training young people** or the wider community to cook and eat better food

- Kitchen space for rent

Closed due to funding issues and renting cost

Conclusion

- Providing **free public space** and **low rent space** for young people projects

Free public space potential actors:
- Lewisham Way Youth & Community Centre
- Reaching Higher

Low rent space potential actors:
- Reaching Higher
- Lewisham Training Kitchen

Residential Community Spaces & Precedents Community Space Analysis

Collective Space and Individual Space Precedents Analysis

Catford Town Center Framework plan for the site (Page 110)

Summary

- Ground Floor: Mixed space using (Leisure/Community, Workspace), Retail
- Above Ground Floor: **New Housing,** Garden

New Ground Co-housing Project

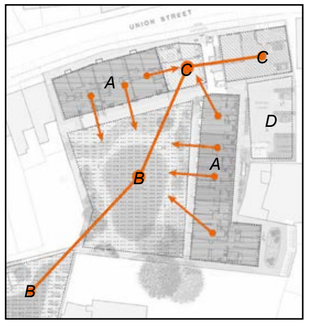
Co-housing concept

Co-housing is aiming to **create community**, by the daily communication between different residents, they can sharing rituals of gardening or cooking, and sharing burdens and sharing pleasures

- An older women-only complex set in London, designed for the Older Women's Co-housing (OWCH) group

- Private residences hosuing, and a **shared common house containg a meeting room, kitchen and dining areas**

- Shared garden as main outdoor public space



A. Housing
B. Garden Space
C. Community Space
D. Others (parking)

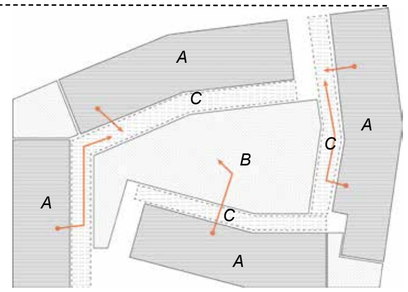
New Ground Co-housing Project Floor Plan Analysis

The renovation proposal of this site should **maintain housing plan** mentioned in Catford Town Center Farmework Report, by offering solution for **senior co-housing**, retirees or those approaching retirement in Lewisham can choose to **live cooperative** in co-housing project

1. Yard space, seperated community space

Yard space, initial seperated commnuity space

Elzenhof Veenoord Courtyard for Elderly / Specht architects & planners in The Netherlands

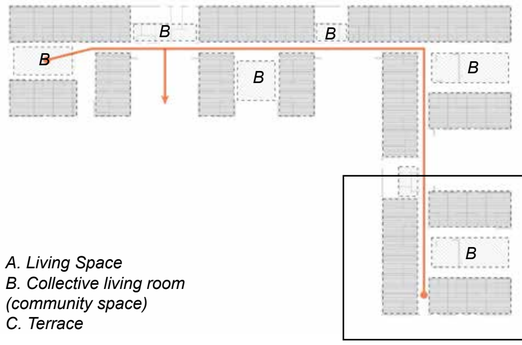


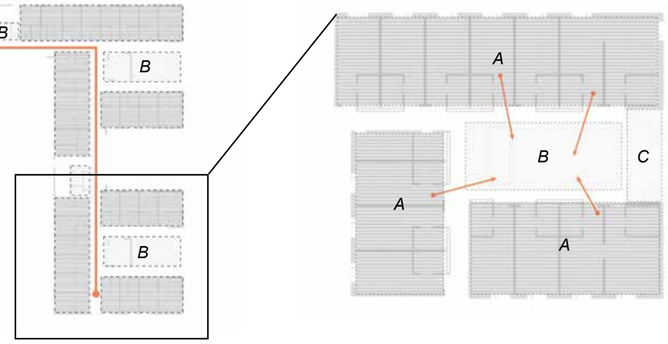
As a housing project with a standard allotment plan, the **social interaction** in community space occur more often **in the yards** and green space rather than in public spaces with no activities.

A. Individuals' living space, house
B. Public space
C. Yard Space in front of the house (Initial community space)

2. Collective living room, communal shared space

Retirement Home of the Franciscan Sisters in Vienna / Schenker Salvi Weber Architekten in Austria



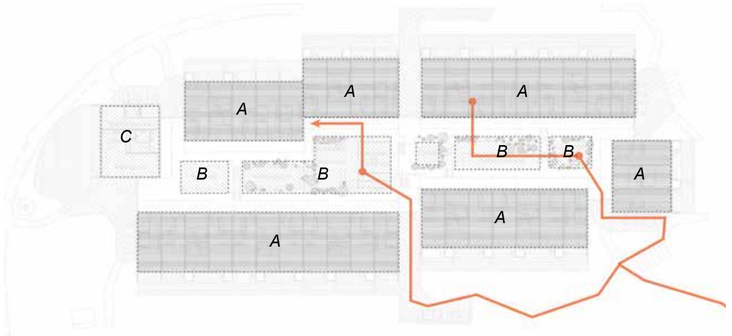


A. Living Space
B. Collective living room (community space)
C. Terrace

As a retirement Home, living rooms are arranged linear, which **improve the users (older people) living and caregivers' workflow.** The community spaces are evenly distributed and surrounded by living spaces. **Greenspace** is also one of the main spaces used for social.

3. Senior living facilities & Sense of community

Ibihaven Senior Housing / Tetris and Sandberg in Slagelse, Denmark



The users of this project are **retired middle-class individual**s who have expectations for the **quality of their senior living**. They also aspire to enjoy life with good neighbors and be part of a community. By setting facilities such as gym, their life experience can be improved.

The center community public space is the core of the design, it enclosed by the living space, and **placed the community space at a focal point**, which **visualized the sense of community** and encouraing residents **observing or using it.**

A. Individuals' living space
B. Greenspace & Public Space
C. Facility (Gym)

Community Kitchen, Kitchenless House, Community Connected by Shared Kitchen

Kitchenless house concpet development

Shared kitchen in student apartment, ensuit in London

Friend's student apartment shared kitchen

The shared kitchen in in student apartment is common in London. Shared kitchen reduce individual space use of ensuit, **create more space for more rooms,** and **lower rent** for students.

However, residents who are strangers to each other are difficult to build a community, and also the **hygiene issues** in shared kitchen spaces without mandatory supervision are often difficult to resolve.

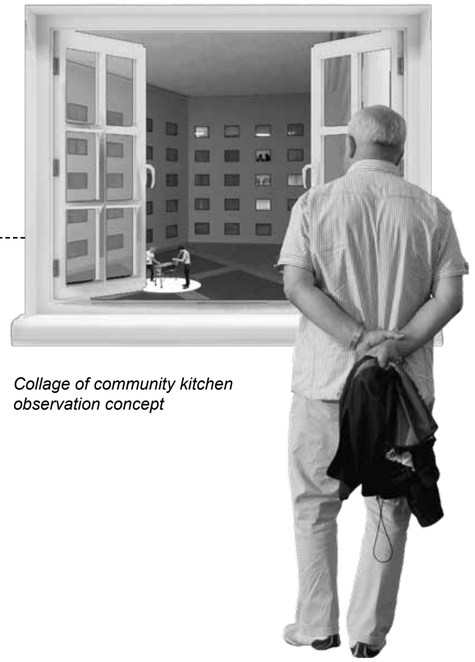
Additionally, **differnt dietary routines** can lead to **conflicts** over kitchen usage.

The **public nature** and **openness** of the kitchen space are **limited** (it can be collectively supervised by student tenants living together in ensuit), still remain sense of privacy

Lack of sense of community and self-discipline

Lack of supervision leads to the misuse of space and conflicts before, during and after **cooking and eating**

- Lower rent
- Reduce redundant individual kitchen spaces
- More space use



Collage of community kitchen observation concept

Urban Kitchens

Goodlife! Makan Seniors' urban kitchen in Singapore, 2017

Care Yoshikawa, urban kitchen for children, 2017

Encouraging and providing opportunities for senior residents to **interact and socialise**, while **developing roles and responsibilities** from the rituals of **food preparation and consumption**

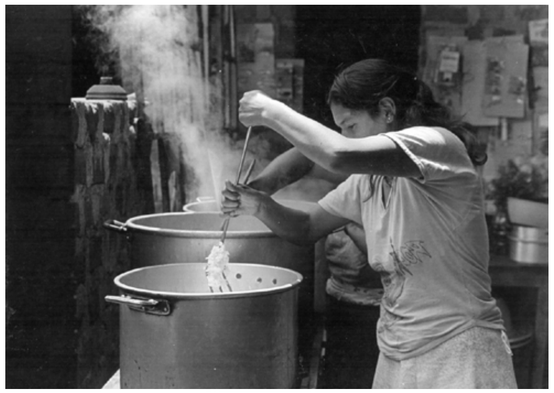
by **cooking** and **sharing** food, **breaking down cultural, social and intergenerational barriers**

Shared skill

Break down barriers by **cooking and sharing**

Providing a user-friendly wayfinding space and connect individuals by **cooking and eating**

Comedores Populares



End of 1970, in Lima, Peru

Now

Start from women from the communities began to **prepare collective pots of food** for the **national teachers union** during they occupied local schools.

Inspired other community kitchen projects and created Comedores popilares, which now has over one hundred thousand women employed in cooking for their community, politically active

- Higher efficiency
- Reduce waste when exchanging ingredients

Build up sense of collective identity and create community by **shared cooking experience**

By putting the essential kitchen space as a share public space under supervision of all resients, can it achieve the effect of self-discipline?

Issues that older people facing in Lewisham

- 1 in 4 older people in Lewisham are living in **deprivation**

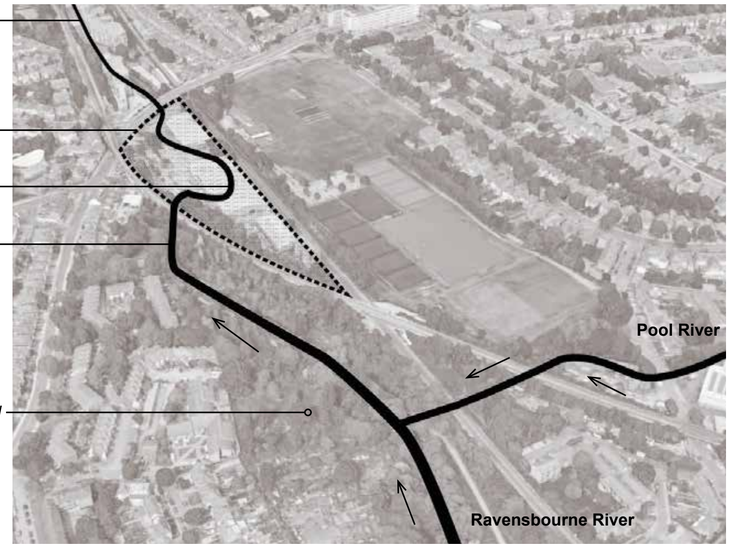
- 38.2% of pensioners in Lewisham **live alone**

Conclusion

Kitchen housing for older people, shared community kitchen act as the 'capital' of the community

Site Condition Analysis

Covered river, existing public movement and site condition



Covered Ravensbourne river's **current situation & potential issue** in the site

- Low animal diversity, underground river channel **restricted the habitate of local wild life**

- **Potential flood risk** to the buildings if excavating the river channel in the site

1. Covered river channel

Precedent near the site analysis
River Ravensbourne at Ladywell Fields' re-routing programme

Before

- The river ran through a concrete channel in a dark, unloved corner of the park

- Restricted the development of wildlife habitats and wild life

Re-routing

- Removing the long strech concrete channel and re-routing the river

- **Raising land levels, change the riverbed depth** and intruducing river terraces to minimise flooding risk

- Introducing aquatic plant to reduce pollution of the river and increasing diversity and density of the local wild animals

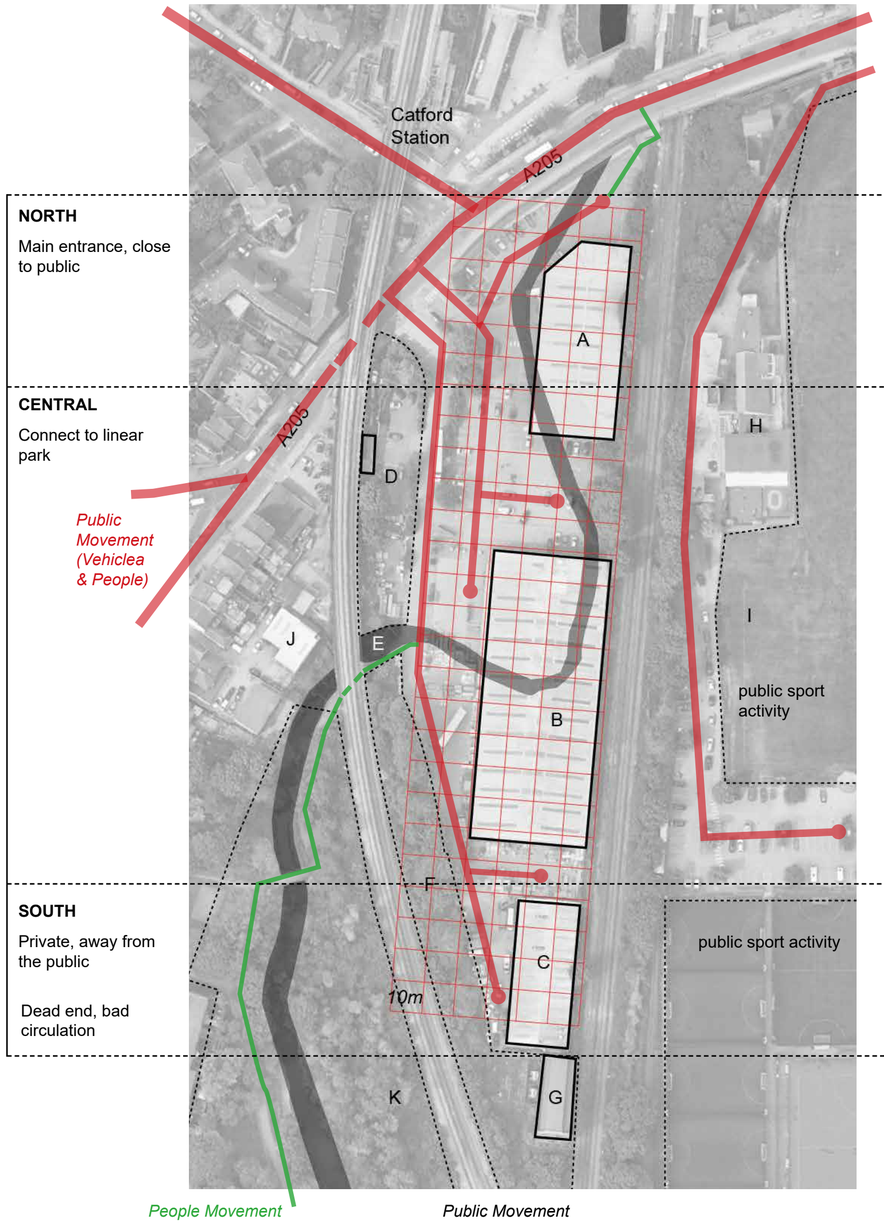
Results

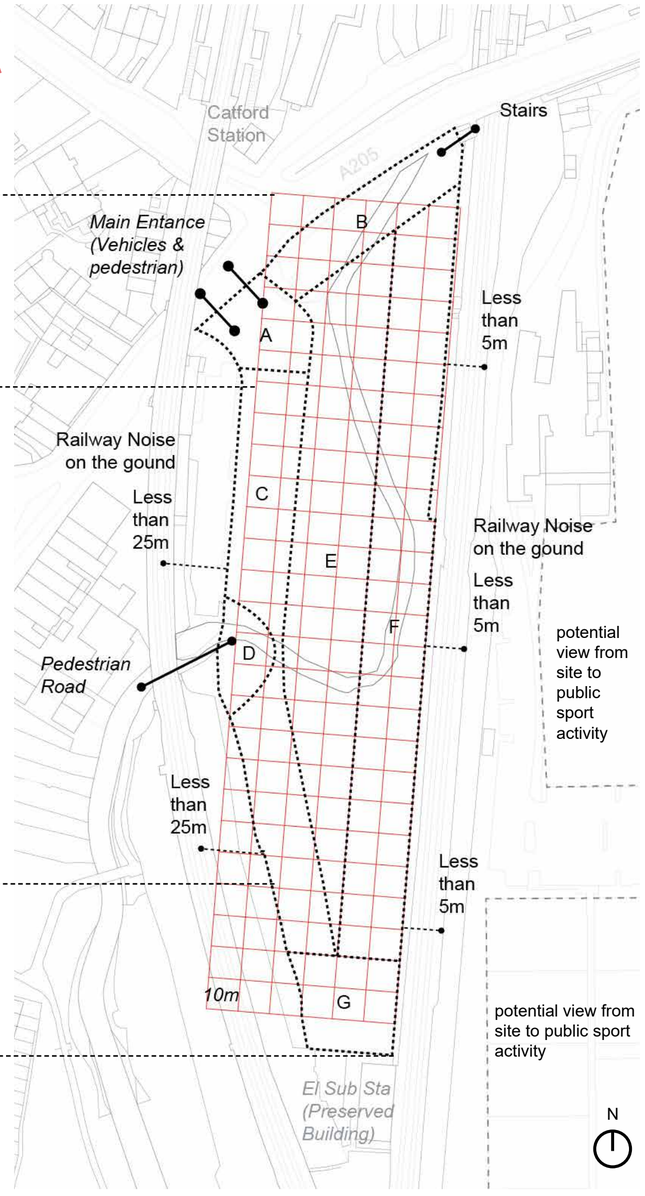
- Low flooding risk and giving more room to safely store flood water during rainy spells

- Creating **habitate for local animals**

- Users feel safer in the park than before, **increasing use of the park**

Conclusion
- **Uncovering the river** as the site's strong identity and improve appeal
- Improving walking and cycling experience

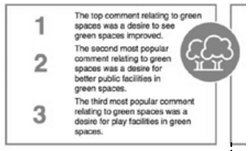




Grid Analysis, Site condition and potential

A. (Built before 2000, **Demolished**) Halfords's Building
B. (Built before 2000, **Demolished**) Wickes Catford's Building
C. (Built before 2000, **Demolished**) MOT Servicing London's Building
D. (**Remained**) Existing Businiess & Yard Space

E. Covered river cross the site
F. Exisiting greenspace
G. (**Preserved Building**) El Sub Sta
H. The Jubilee Nursey
I. The Jubilee Ground
J. Residential Area
K. Jubilee Nursery



Public Desires Research related to Green Space (Page 29)

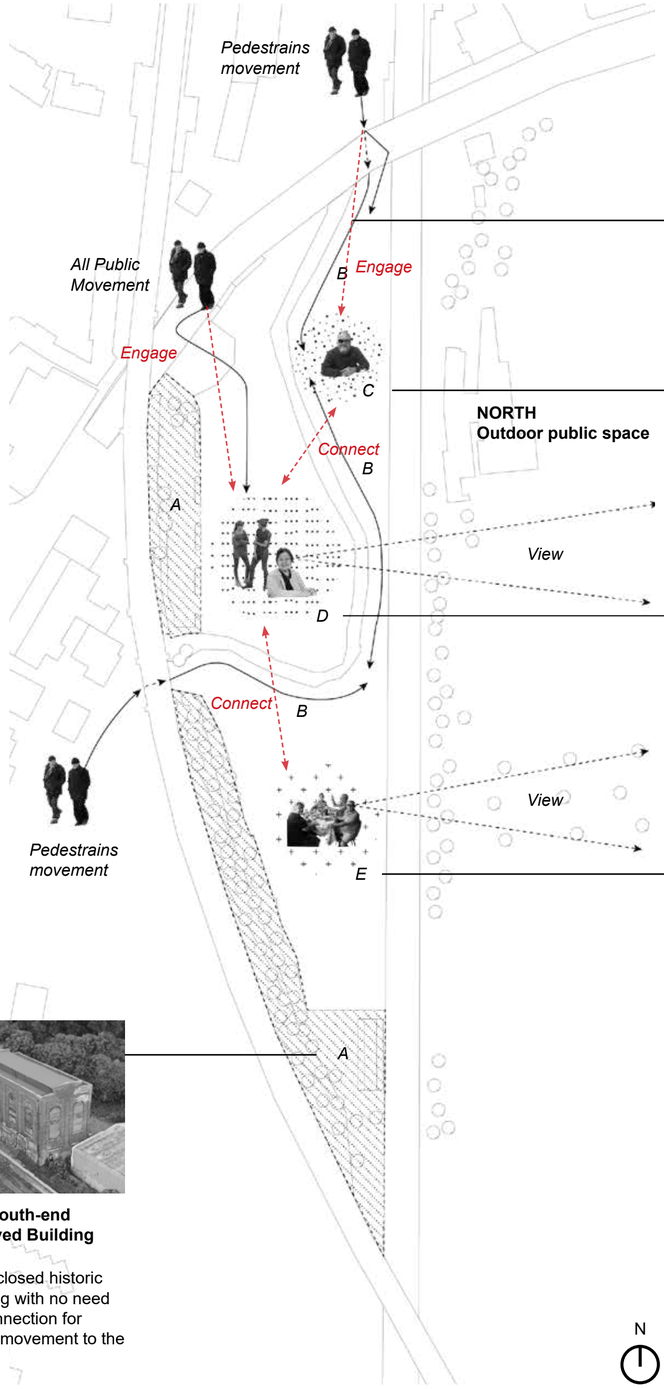
A. Main entrance space
B. North-side spaces beside the elevated road bridge
C. West-side space, distance from the elevated rail
D. Entrance, to Riverview Walk & River Pool Linear Park
E. Central Space, vertical linear space crossing the site
F. East-side space, close to the rail, possible view to The Jubilee Grounds
G. South-side space, away from public and residential area, with train noise

Conclusion
- Creating more public and **green space** for local residents

Conclusion
- Demolished old existing buildings in the site

Site Overall Strategy

NORTH, CENTRAL, SOUTH and Riverside Path



Riverside walking experience and green space for local community and residents

Riverside Path

Riverside path through the site along the river

NORTH
Outdoor public space

Public space on pedestrain movement path

Community Garden Space

Communinity garden space for adults and families & children, connect community through growing and harvesting

Kitchen Space

Community kitchen space for actors cooking foods grow by themselves

Hackney School of Food, garden farming

Hackney School of Food in Clapton

- Provide garden space for education

- Experience of grow, harvest, and cook for users

The Nourish Hub, community kithcen and community canteen

The Nourish Hub in London

- Different kitchen spaces for both family cooking education and professional training

Public kitchen space for local families and professional training, and individual community kitchen space

Community Kitchen Space

Community kitchen space for provide free meals

Connect community by growing and eating

CENTRAL
Mixed space

I. Kitchen space

II. Residentiali space

- Designed for retired older people
- Co-housing, shared kitchen space
- Closer to public activities

III. Community activities space

La Borda

- A closed community with shared public spaces such as laundry rooms, office space, etc

- Highly intergrated space

- Visual interaction between different spaces

La Borda internal space

Public and private space

SOUTH
Individual living units

- Designed for retired older people
- Independent living, shared community space
- Independent community space (residents shared), more secluded and quiet

Site South-end reserved Building

An enclosed historic building with no need for connection for public movement to the site.

Church Grove in Ladywell, The Rural Urban Synthesis Society (RUSS)

Church Grove in Ladywell, RUSS

- Aim of creating sustainable community-led neighbourhoods with affordable housing

- Steel and concrete as main building materials due to concern of fire

- Partly self-built reduce construction cost (Residents took some of the work on their own apartments, with a choice of **self build** or **self-finish**)

Closed community mixed public space

A closed community, highly integrated space which allowed visual interaction between residents and public

Self build individual living units

Self build community, future residents engaging building before retirement, living after retired

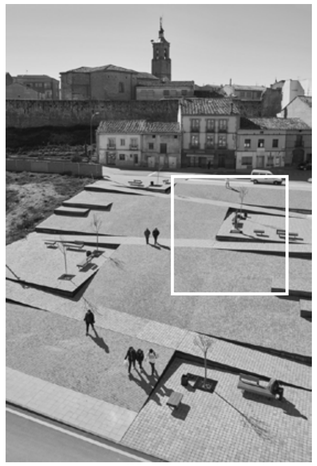
Residents' shared community space (community kitchen) connect residents in both living space

Removed exsited buildings in the site and excavate river channel

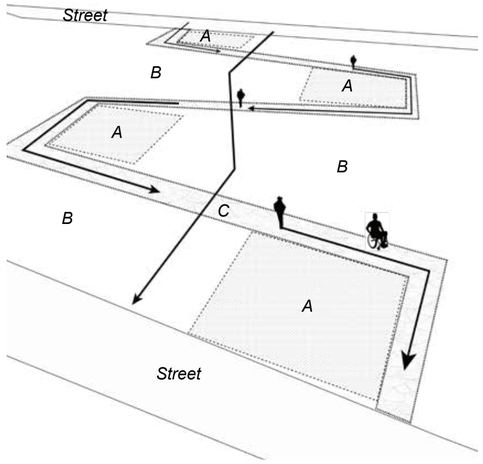
A. Preserved buildings and green space
B. Riverside walkway
C. Public space
D. Mixed space (living space, community kitchen, community space)
E. Individual Living unit

NORTH, Riverside Path Landscape & Public Space Design Development

Riverside public space design strategy



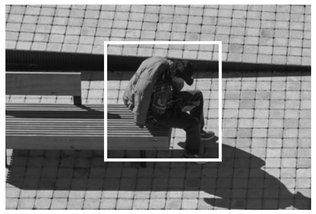
Zarrón Square / BOV ESTUDIO in Spain



A. Inner plazas between smooth path
B. Slope
C. Smooth path

A. Still space

Photo took in Ladywell Field



Zarrón Square / BOV ESTUDIO in Spain

Scattered Spaces

- Provide resting area for people who passing
- Close to the river, good view

B. Activities space

Photo took in Ladywell Park

Yangpu Riverside Public Space / Da landscape in China

Large Spaces

- Park space and facilities for children

C. Public space

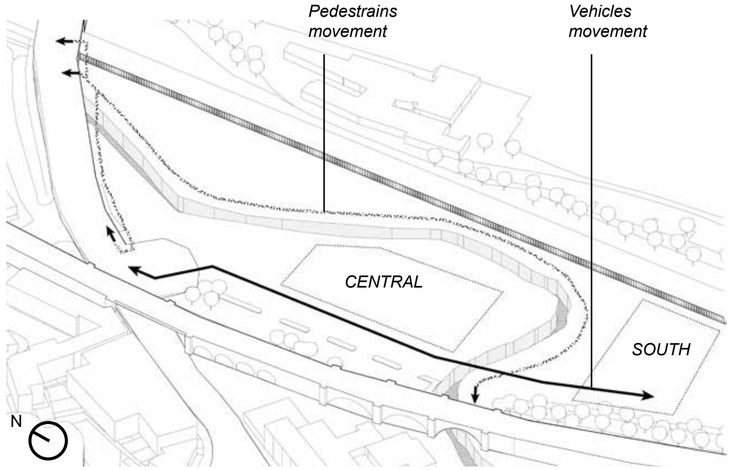
Photo took in Lewisham

Temporary Market at MAAT in Portugal

Temporary Space

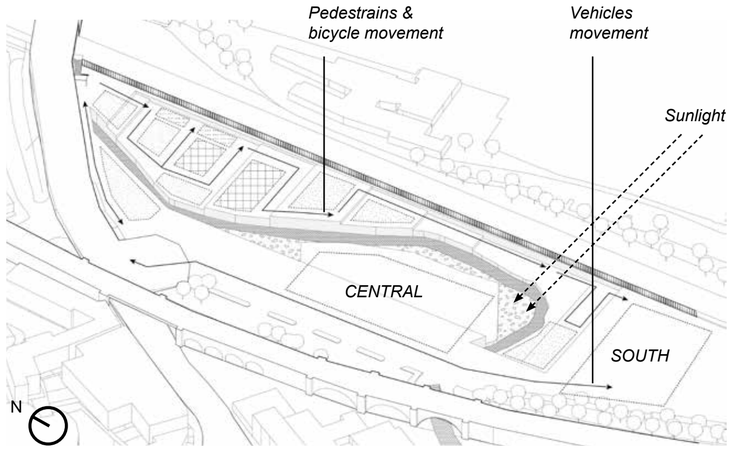
- Public space with temporary structure for different events including market

Phase One



Excavate and deepen the river channel

Phase Two



Creating waterside green space and waterside platform along the river by the public movement

Potential Habitate in Lewisham

Mallard

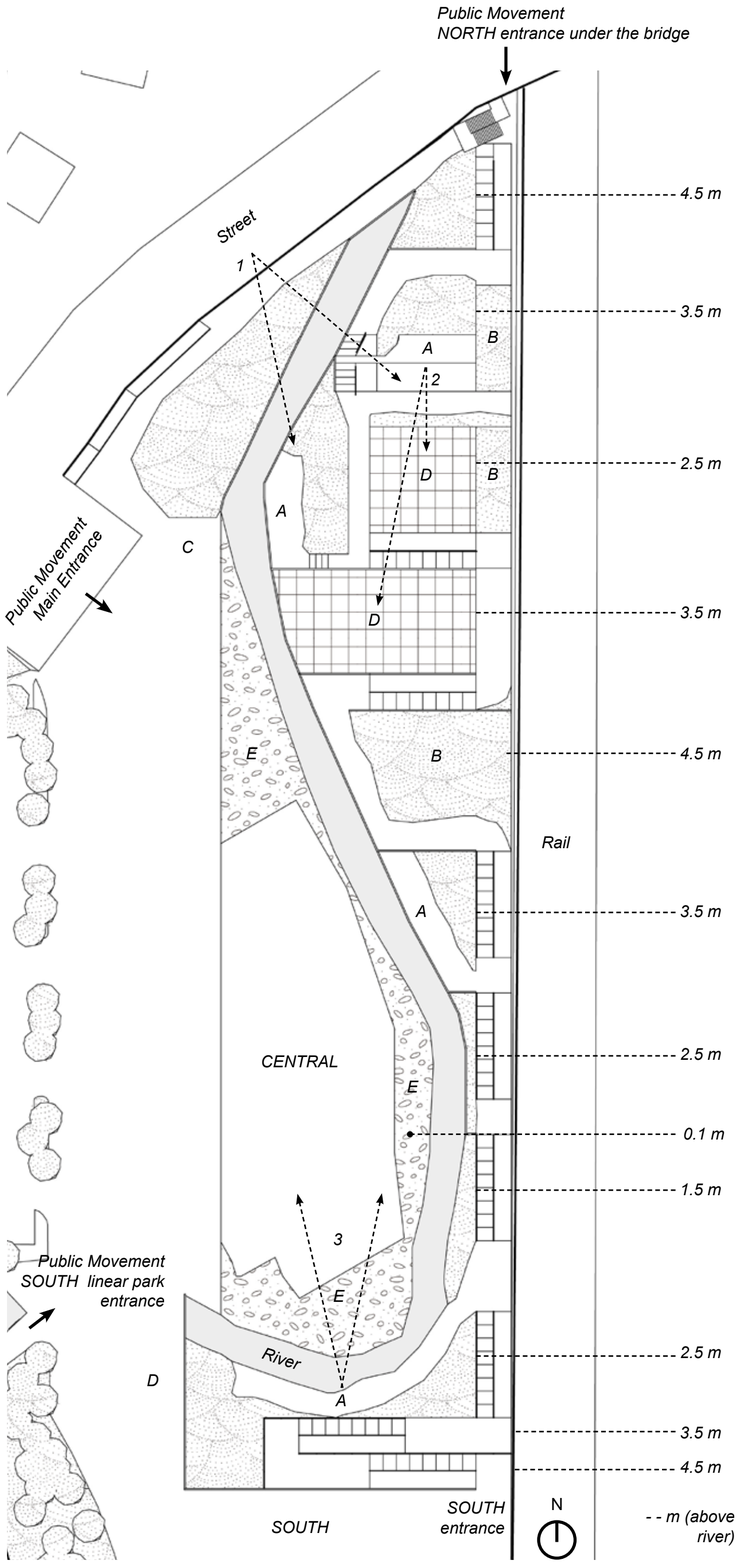
Moorhen

CENTRAL riverside greenspace

- *Creating deepen riverside greenspace, nearly level with the river surface, allow* **wildlife creating habitate** *and minimize human disturbance*

- *Southside,* **minimise building shading** *and maximize sunlight exposure*

- Live in fresh water environment
- Prefer areas with reeds and aquatic plants for nesting and shelter



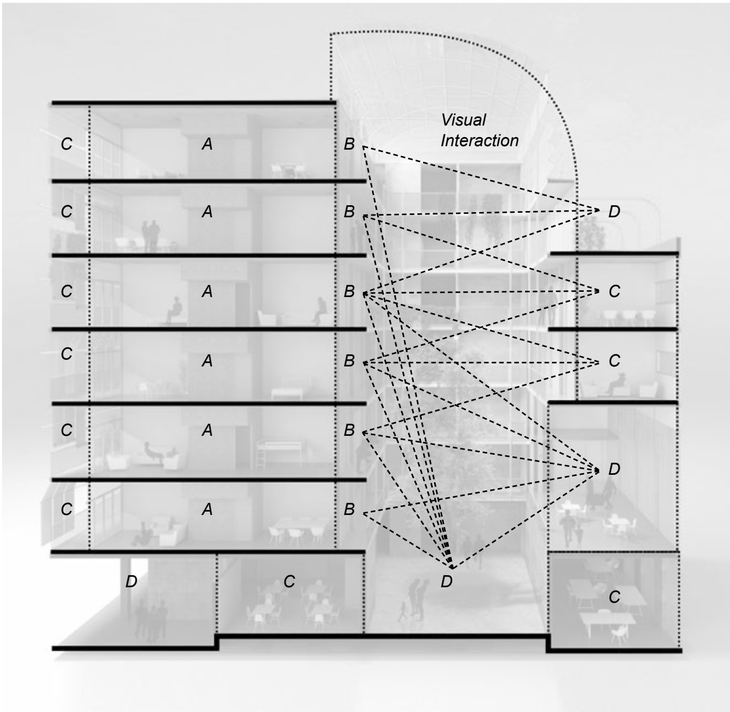
A. Still space (seats for people)
B. Activities space & green slope (for children)
C. Public space
D. Community growing space & garden
E. CENTRAL riverside greenspace

1. View from the street
2. View from seats to garden
3. View to riverside greenspace & CENTRAL building

CENTRAL, Living Space & Community Space

Central living space & community space strategy development

Verical Analysis La Borda - Cooperative CLT Housing by Lacol

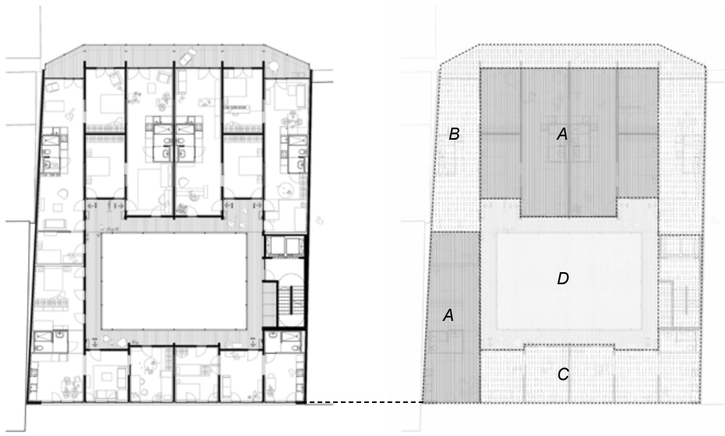


Section visual interaction analysis

A. High privacy individual space (living space)
B. Less Privacy space (indoor terrace)
C. Less public space (work space and exterior terrace)
D. Completely opened public space

The space used in this building is highly intergrated. The visual interaction between different space connect different users' activities, **deprivatizing all spaces activities** except private activities (sleeping, etc.), **exposing these activities** (work, laundering, etc.) to the community's view, and fostering a **sense of community**.

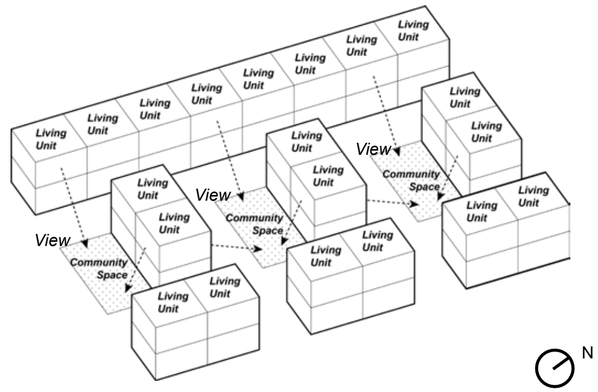
Horizontal Analysis La Borda - Cooperative CLT Housing by Lacol



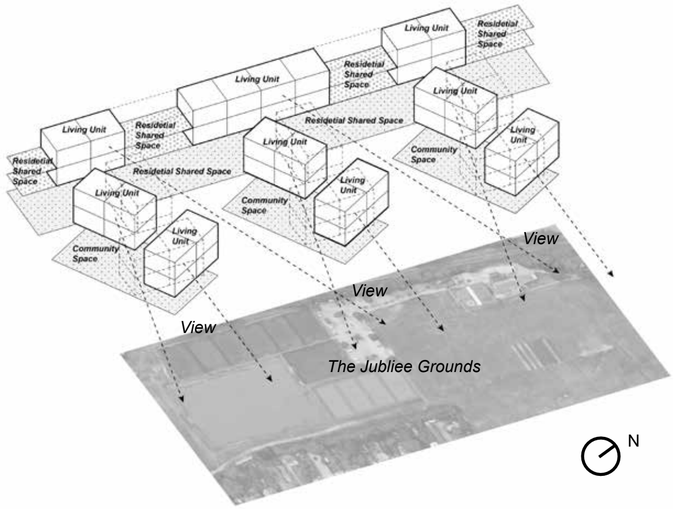
Floor Plan

Central public space is a large social interaction space surrounded by living space and work space, which placed the public social space as the central of the community, and **visualizing the community activities** in the space.

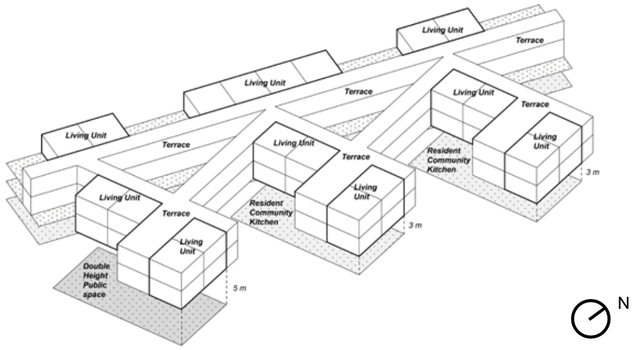
Living unit strategy development



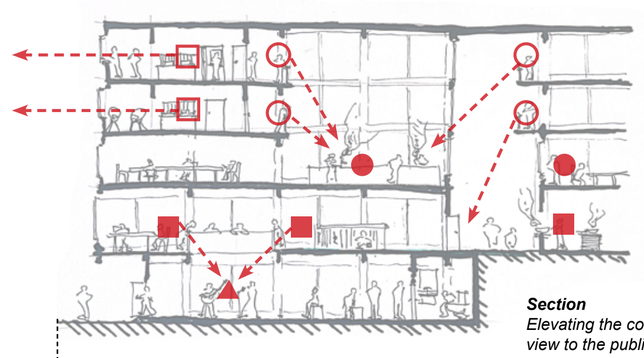
Phase 1
Creating living space surrounding community / kichen space



Phase 2
Rotating and pushing space to create view from living space to outside

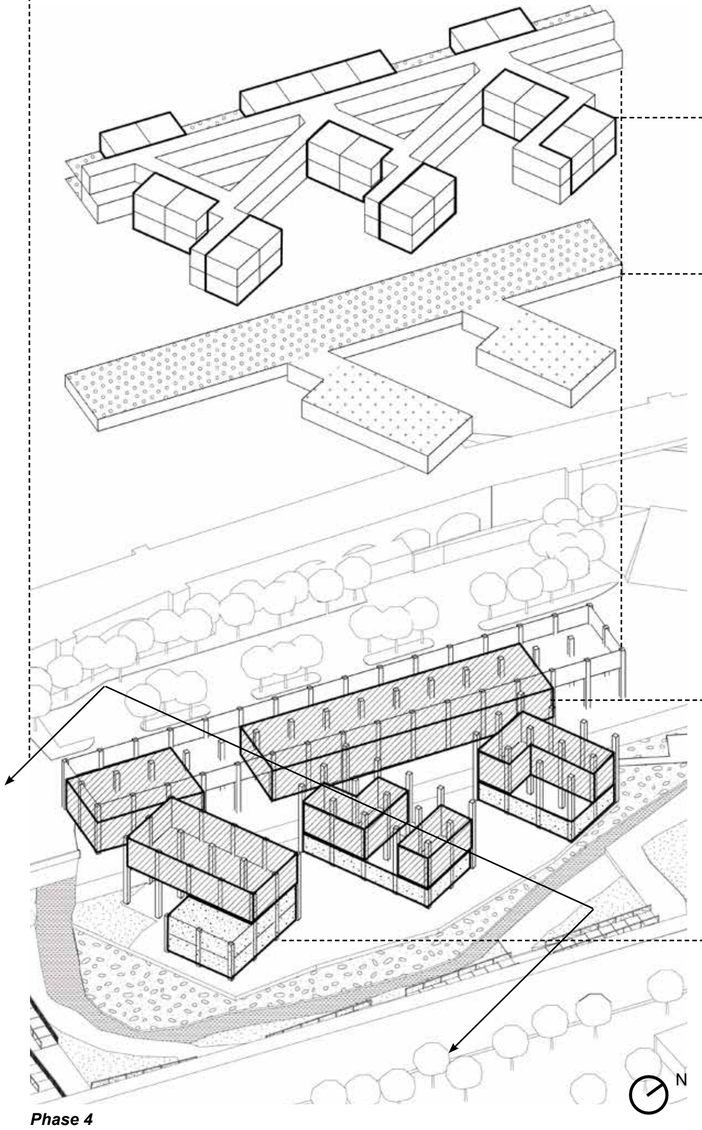


Phase 3
Connecting the living spaces with terrace



Section
Elevating the community / kitchen space to create view to the public space below it

- *Community kitchen & dininig space*
- *Terrace space*
- *Public Community space*
- *Living space, high privacy*
- *Performance space*



Residential Living Floor

- Living units
- Shared utility room

Residential Activities Floor

- Resident community space
- Resident community kitchen

Community Upper Ground Floor

- Public & hired community kitchen
- Community space

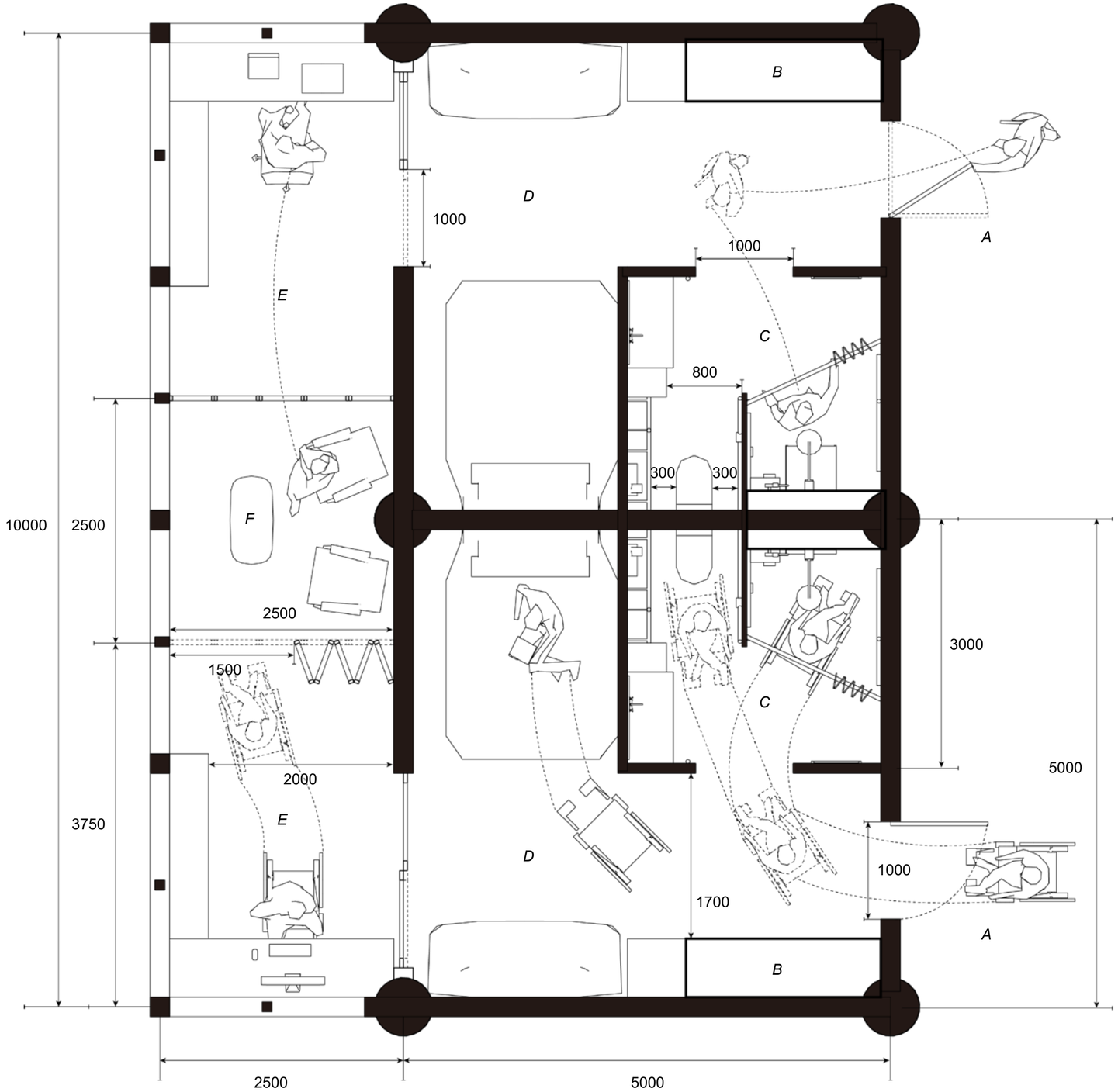
Community Lower Ground Floor

- Performance space
- Community activities space

Phase 4
Elevating the community / kitchen space to create view to the public space below it

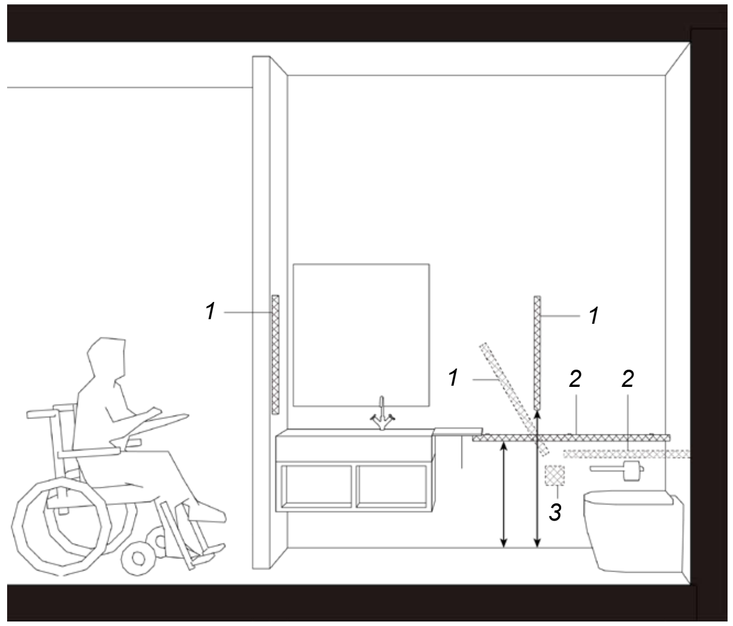
CENTRAL, Individual Living Unit Analysis

Individual living unit detailed diamention plan & section



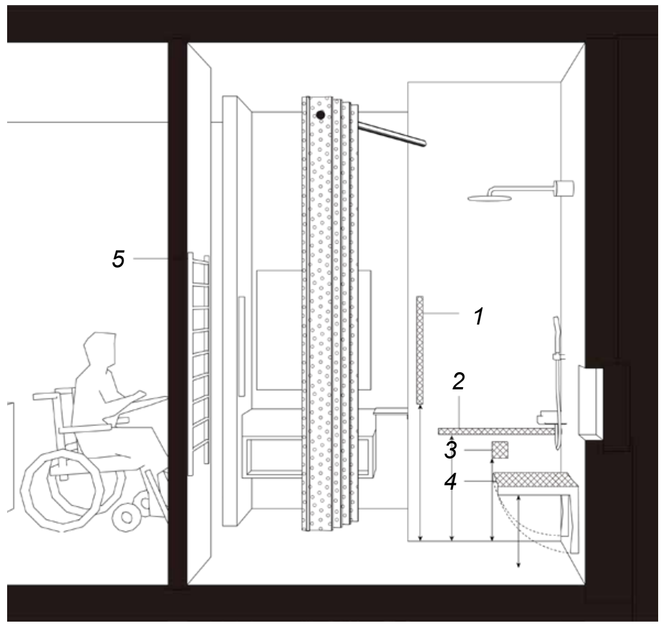
A. Exterior corrior
B. Storage
C. Bathroom

D. Bedroom
E. Workspace
F. Opened shared balcony



1. Vertical grab bars with non-slip surface, 700mm height
For support while standing

2. Horizontal grab bars with non-slip surface, 900mm height
For support while moving



3. Emergency call button, 400mm height

4. Foldable shower seat, 500mm height

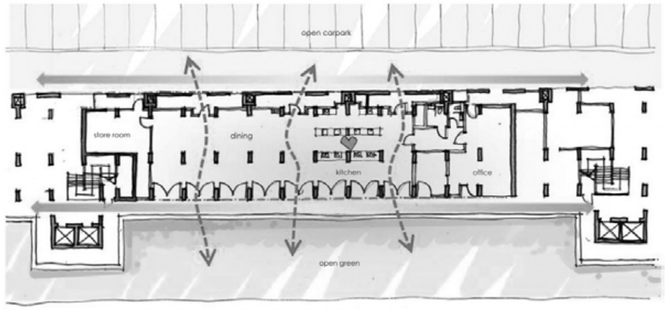
5. Towel Rack

The CENTRAL living unit is designed around accessibility, and in addition to an accessible bedroom and bathroom, it also includes a private workspace and shared social spaces with neighbors, which spaces can be separated by folding doors.

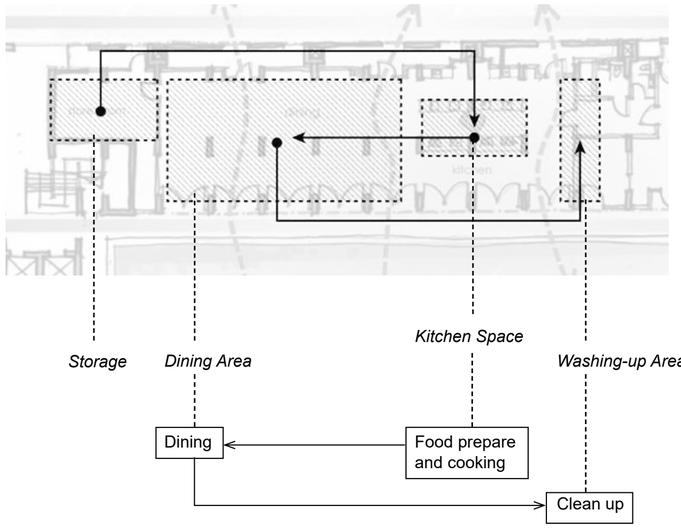
CENTRAL, Community Kitchen Space

CENTRAL Shared community kitchen for residents & training community kitchen for public

I. Shared Community Kitchen for residents

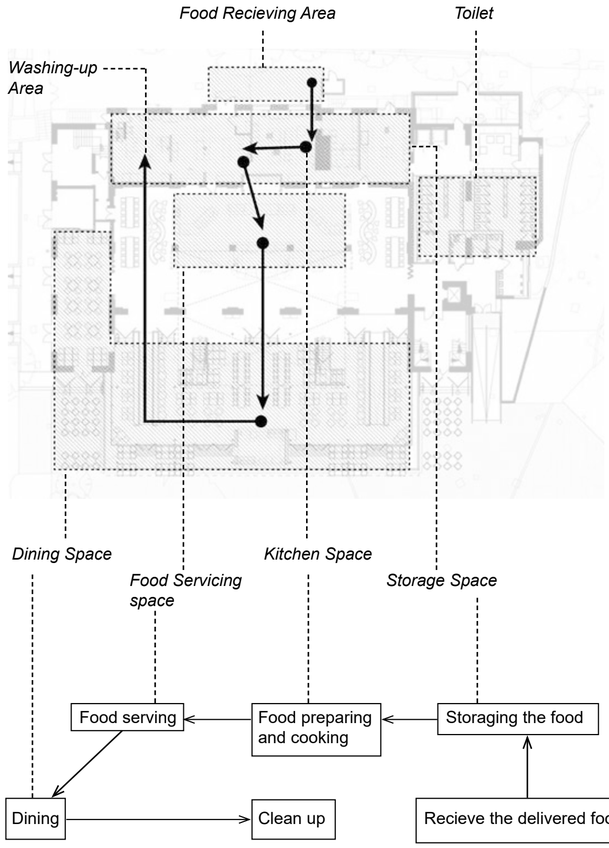


Goodlife! Makan Senior Community Kitchen Singapore



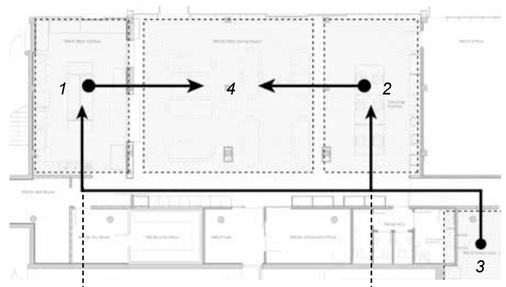
II. Community Kitchen for Public

Terrace Restaurant at London Zoo / SHH in London



III. Community Kitchen for Training

Nourish Hub community kitchen in London



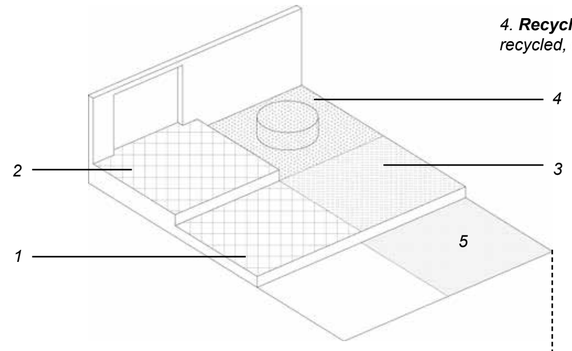
1. *Professional training kitchen space*
2. *Family cooking training kitchen space*
3. *Storage & Planting room*
4. *Dining & community space*

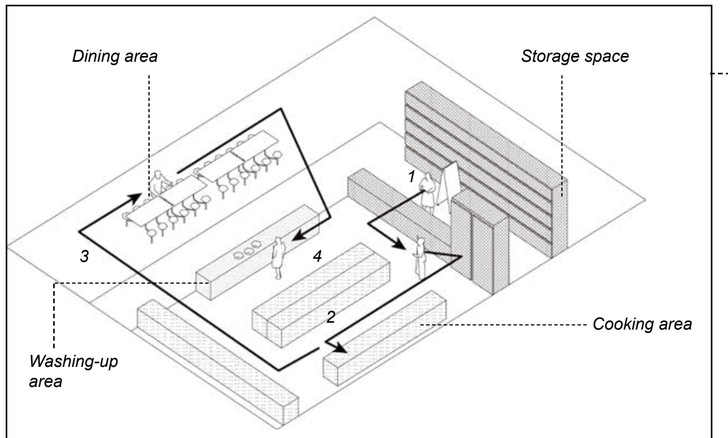
Actor: adults only → Actor: families & children → Sperate kitchen by different user

IIII. Community Kitchen for Education

Growing and harvest in NORTH community farm →

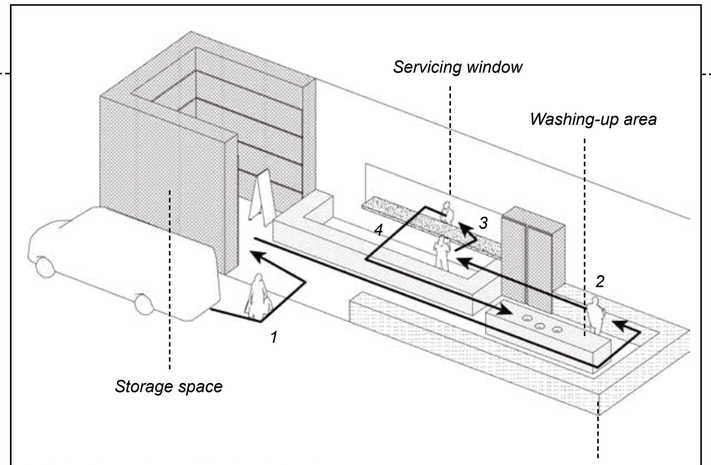
1. ***Learn**: learning about recognize food and cooking safety*
2. ***Observe**: watch community kitchen's operation*
3. ***Practise**: Learn how to cook*
4. ***Recycle and Creativity**: Learn about recycled, cleaning and food waste*





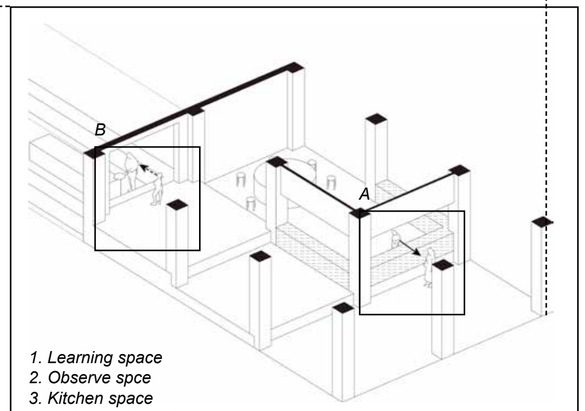
1. *Passing food material from storage area*
2. *Cooking*
3. *Dining*
4. *Washing-up dishes*

Residents' community kitchen's initial layout



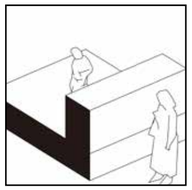
1. *Collecting delievered food and straging*
2. *Cooking*
3. *Servcing to public*
4. *Collect and washing-up dishes*

Public community kitchen initial layout

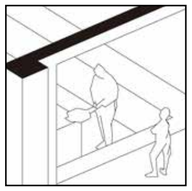


1. *Learning space*
2. *Observe spce*
3. *Kitchen space*
4. *Dining and learning space*
5. *Family interaction and resting spacce*

Children training kitchen initial layout



A. Raised level floor allow children communicate at the same eye level as adults, enhancing their sense of identity as chefs



B. Elevated level floor allow children observe activities in the community kitchen

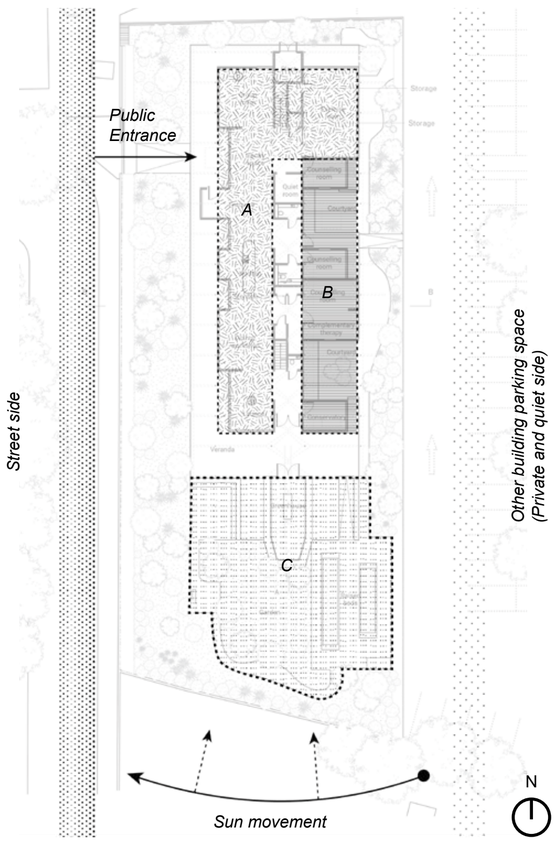
SOUTH, Living Space

SOUTH living unit strategy development

Maggie cancer center in Manchester

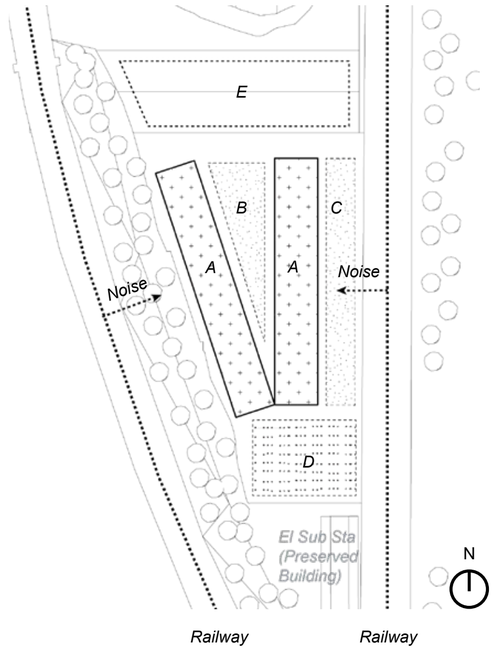
- Creating domestic atmosphere in garden setting, lifting the spirits and help in the process of therapy

- Combines a variety of spaces from libary to exercise room, and outdoor greenspace



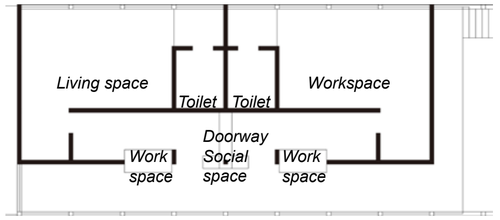
A. Maiin activities space, facing to the street, public
B. Conselling room, higher privacy
C. Garden space, south side

SOUTH overall strategy

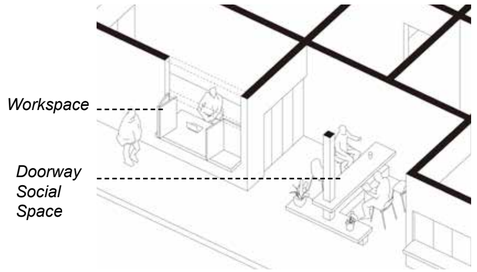


A. Living unit and shared space (kitchen&social space)
B. Central community space
C. Greenspace, noise buffer
D. South garden space
E. Front riverside public space

Interaction between doorway social space and resident ---------- ***Doorway social space and resident***



SOUTH living unit door way social space



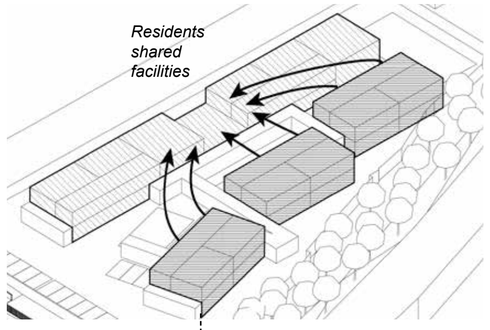
Extended beams seperate public social space and private workspace

De Drie Hoven Elderly Housing / Herman Hertzberger in Netherlands

Extended beams as seats and platform

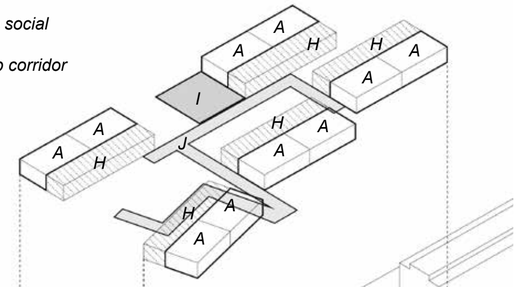
Building's columns and beams extend into seating areas, allowing the architecture to interact with the residents while maintaining a unified and cohesive order

Integrating the daily lives of residents by **distributing facilities across different living unit**, fostering a sense of community by integrating the daily lives of redisents.

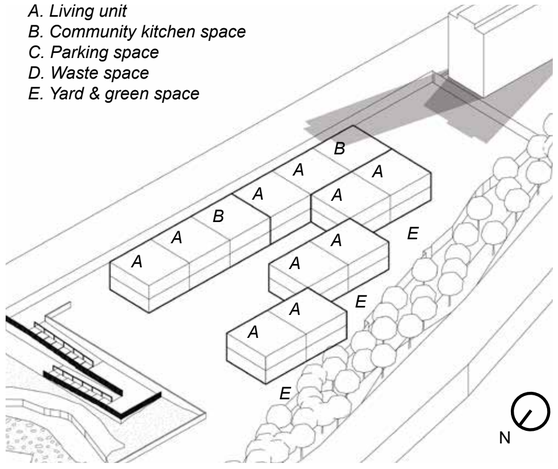


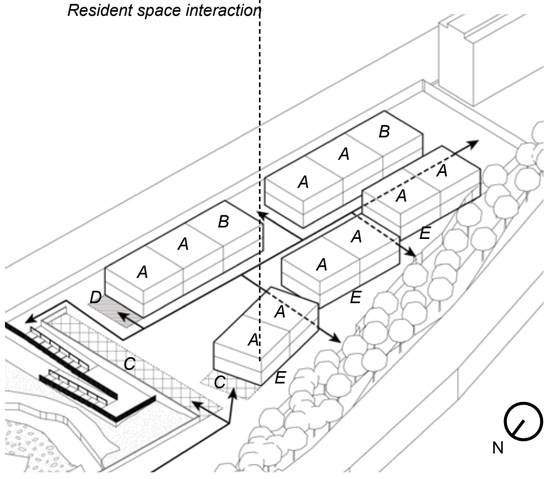
Resident space interaction

I. Rooftop social space
J. Rooftop corridor

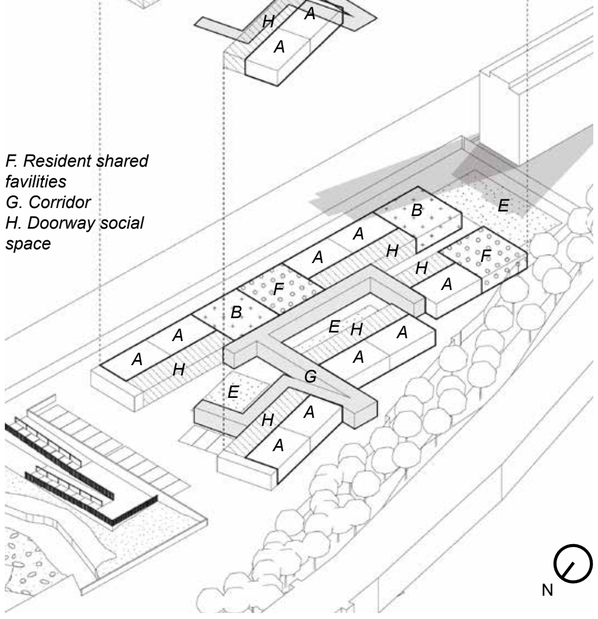


A. Living unit
B. Community kitchen space
C. Parking space
D. Waste space
E. Yard & green space





F. Resident shared favilities
G. Corridor
H. Doorway social space



Phase 1

Living unit on the SOUTH, creating yard space between railway and living unit

Phase 2

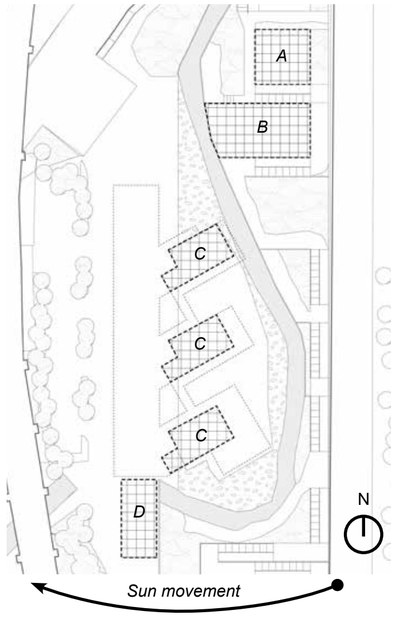
Rotating and pushing living unit, creating accessibility to yards and garden space

Phase 3

Connect space by corridor, creating resident shared community space between buildings

NORTH, SOUTH Public Planting Space & CENTRAL Roof Planting

Public planting space & CENTRAL residents' rooftop planting space

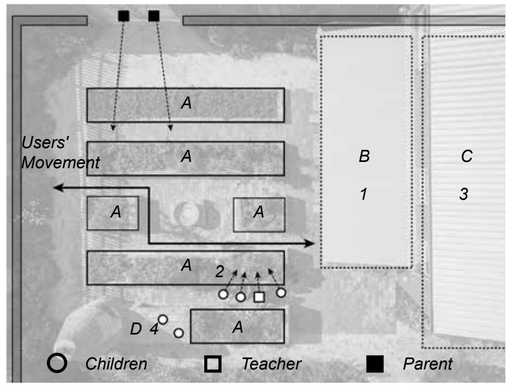


SOUTH public planting space space arrangement

A. NORTH educational planting space for children

Space actor: For Kids Co. Gardening Club (children education)

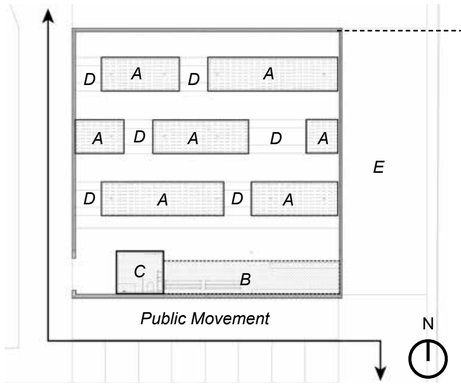
For Kids Co. Gardening Club provide space and education for children learning about how plants grow, understand the difference between various fruits, vegetables and flowers and be able to see the changes developing



Hackney School of Food in Clapton space & actors analysis

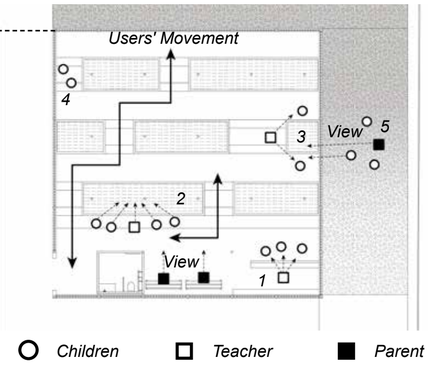
A. Planting field
B. Outdoor lecture space
C. Indoor kitchen teach space
D. Elevated step

1. Lecturing about planting
2. Practise planting
3. Learn about cooking
4. Children seating on step



CENTRAL educational planting space space arrangement

A. Planting field
B. Resting & lecture space
C. Toilet
D. Steped step
E. Greenary slope



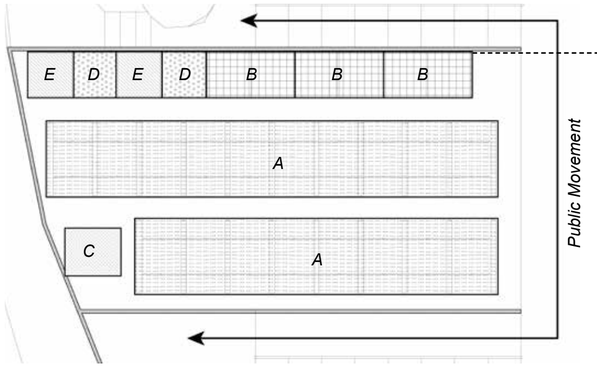
CENTRAL educational planting space users' interaction

1. Introducing planting task
2. Lecturing about plant
3. Practise planting
4. Children seating on step
5. Families playing on greenery slope

B. NORTH public planting space

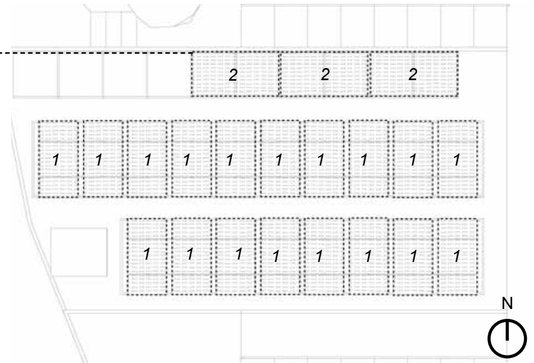
Space actors: Grow Lewisham Project

Grow Lewisham and the Lewisham Growing Network are working towards a Right to Grow on unused Council land. This will give Borough residents permission to use Council spaces to **grow food and crops**



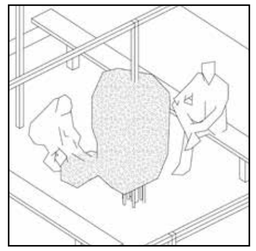
A. Planting field
B, Greenhouse
C. Resting pavilion
D. Storage space
E. Toilet

NORTH community planting space arrangement



1. Individual planting unit
2. Greenhouse

NORTH community planting unit arrangement

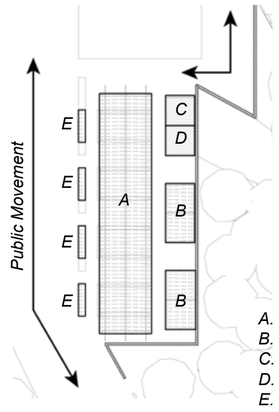


Individual planting unit's elevated step

D. SOUTH public planting Space

Space actor: Grow to Give Project (Community farm)

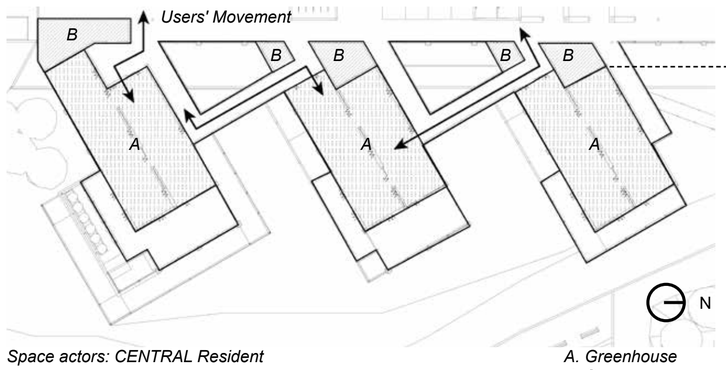
Growing crops and harvest for FoodCycle Lewisham, help people in the local community by food and using the surplus from these allotments to donate to FoodCycle for those in food poverty



A. Planting field
B. Greenhouse
C. Toilet
D. Storage space
E. Planting box

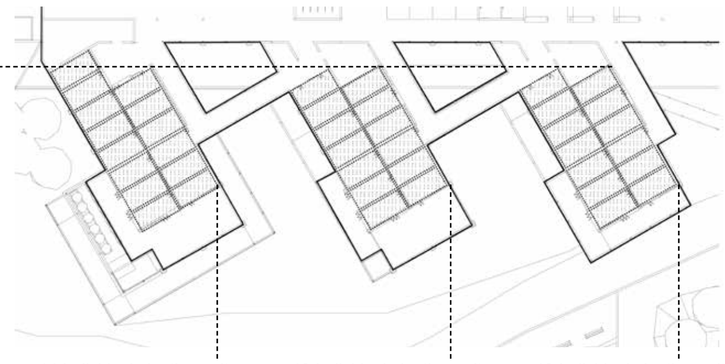
SOUTH public planting space space arrangement

C. CENTRAL Residents' rooftop planting space



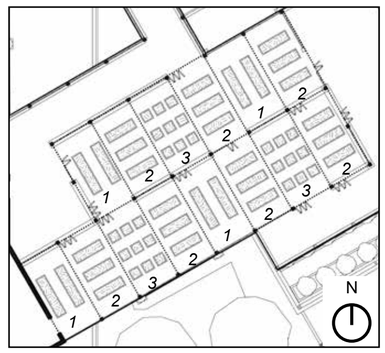
Space actors: CENTRAL Resident

A. Greenhouse
B. Storage
C. Rooftop corridor
D. Rooftop terrace



14 Individual planting units *13 Individual planting units* *13 Individual planting units*

40 Individual planting units for 60 residents

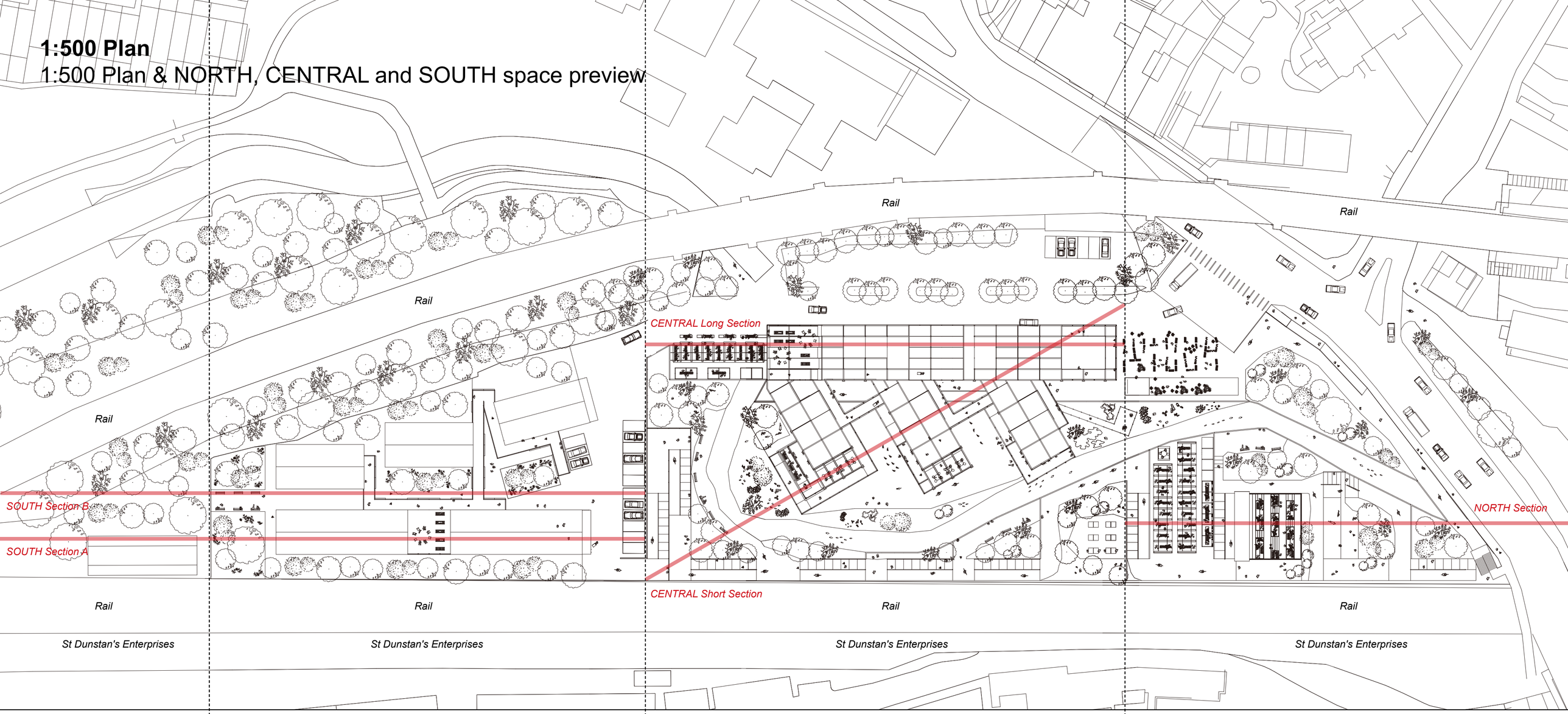


1. Double planting box
2. Triple planting box
3. Set of 9 planting box

Planting unit box

1:500 Plan

1:500 Plan & NORTH, CENTRAL and SOUTH space preview



SOUTH, living space

CENTRAL, living space & community space

NORTH, planting space

SOUTH Preserved Building, El Sub Sta

1st Floor

Residents' individual living units, rooftop community space & facilities

Ground Floor

Residents' individual living units, community space & facilities and greenspace

SOUTH Residents' space, private

Roof space

Residents' community gathering space and rooftop greenhouse

2nd, 3rd Floor

Individual living unit and residents' facilities

1st Floor

Residents' community & social space and residents' community kitchen

Public community space

Upper Ground Floor

Community kitchen, dining & community space and planting space

Lower Ground Floor

Public community space, office space and greenspace

CENTRAL Residents' space, private

Public space, public

NORTH market space

Public planting space

Educational planting space for children

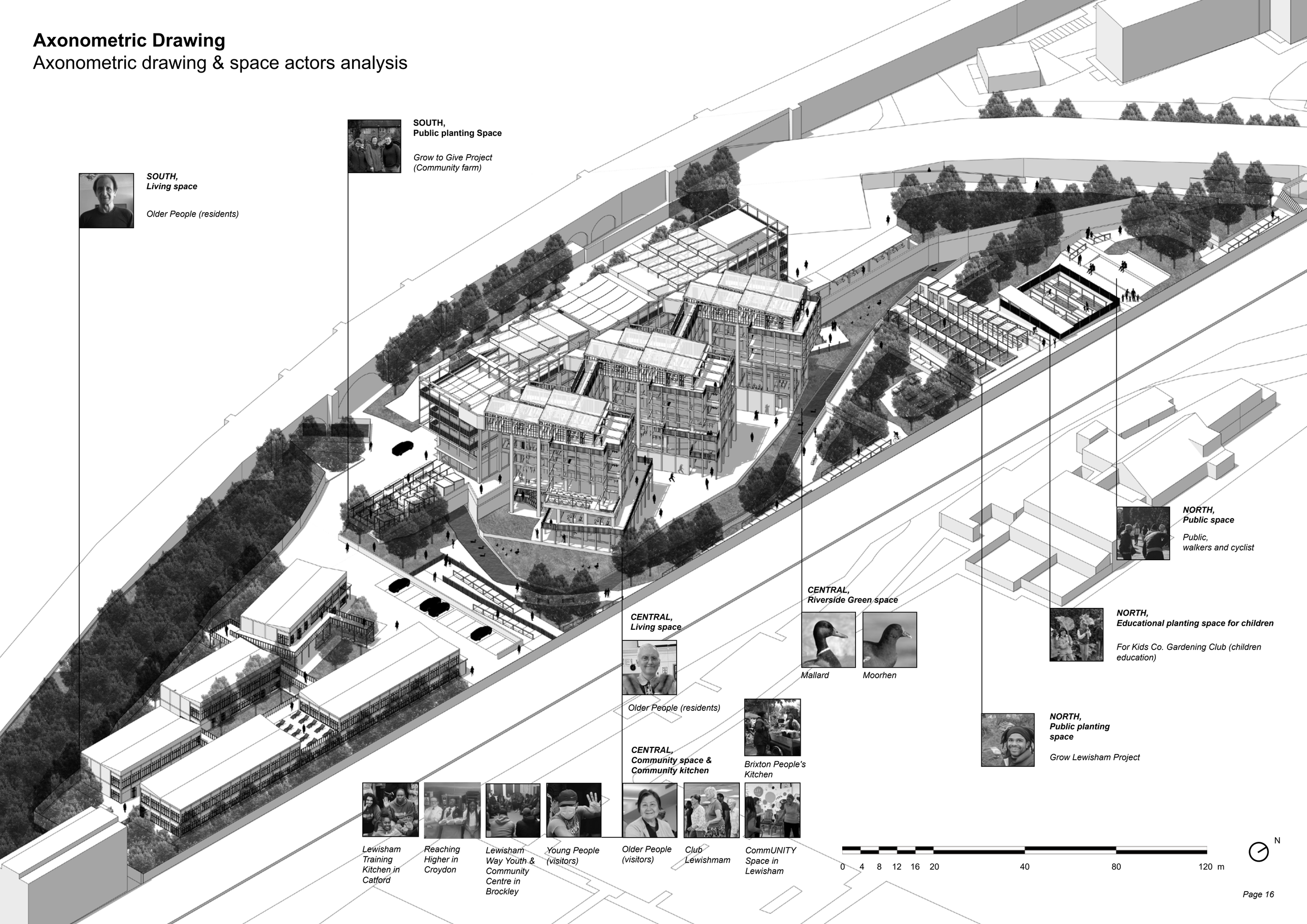
Public space, public

0 4 8 12 16 20 40 60 80 m

N

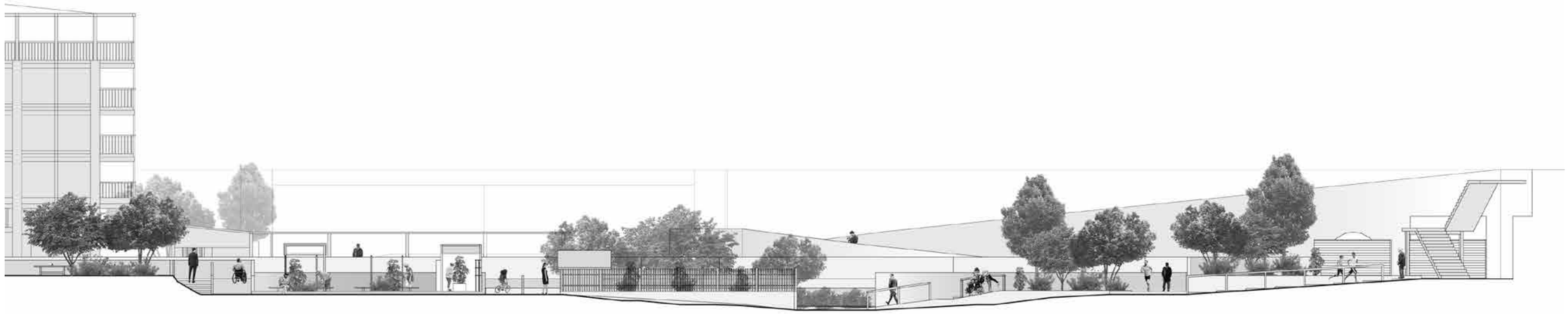
Axonometric Drawing

Axonometric drawing & space actors analysis



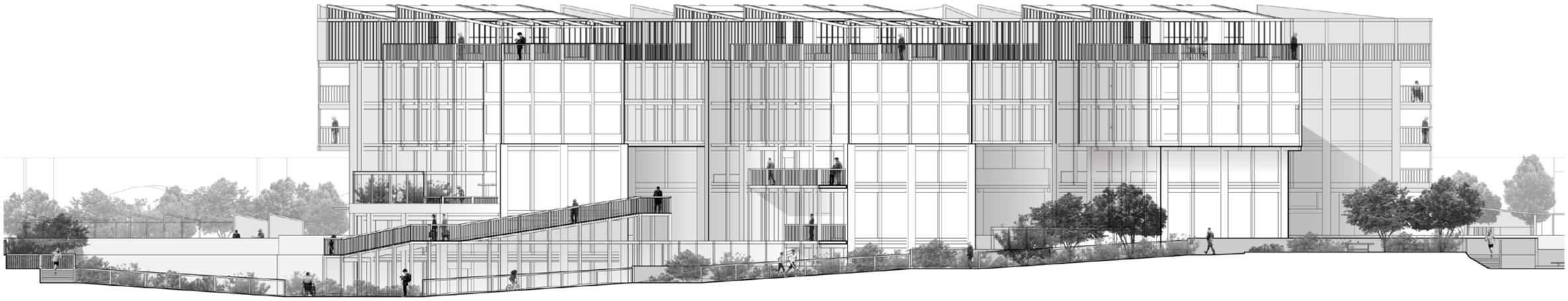
1:200 Long Elevation

Elevation from North to South, view from East



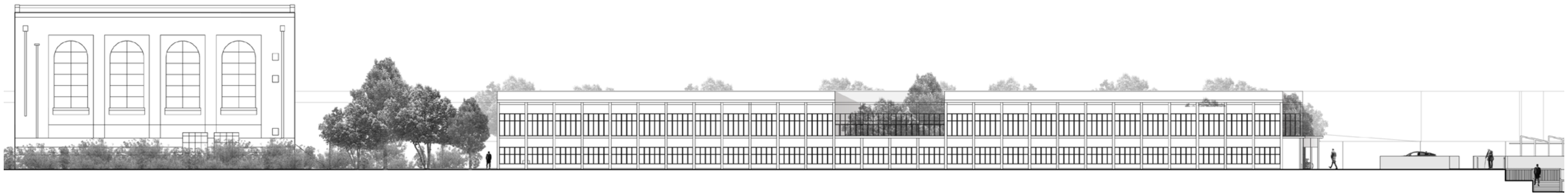
0 2 4 6 8 10 20 30 40 m

NORTH elevation, View from East N



0 2 4 6 8 10 20 30 40 m

CENTRAL elevation, View from East N

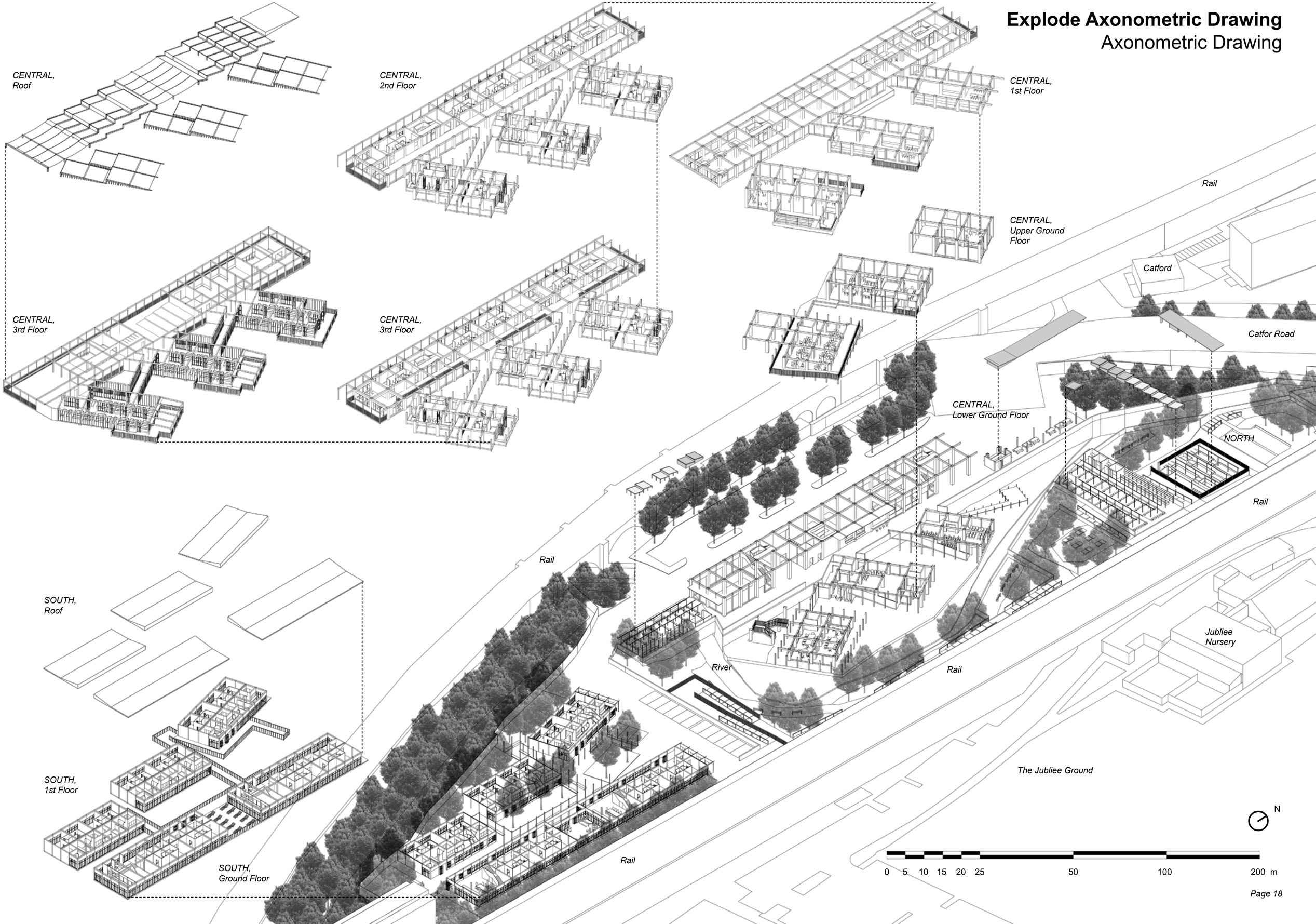


0 2 4 6 8 10 20 30 40 m

SOUTH elevation, View from East N

Explode Axonometric Drawing

Axonometric Drawing



1:200 Floorplan - NORTH Growing Space

NORTH growing space

View a. Educational planting space for children

View b. Public planting space

Public activitiees space

1. Temporary market area

Public resting space

4. Public still place

Planting space

2. Educational planting space
3. Public planting space

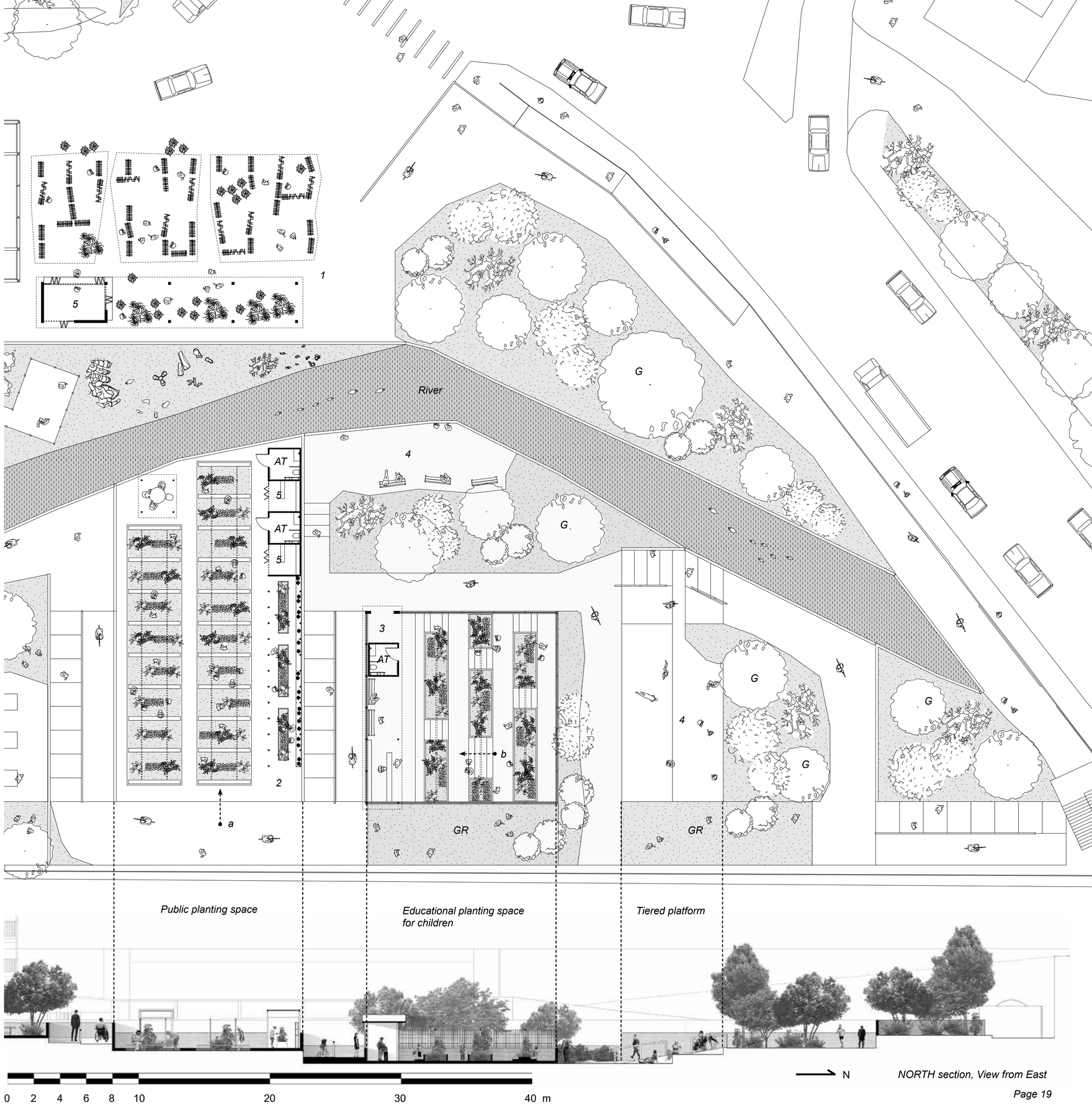
Other space

5. Storage room
AT. Accessible toilet
G. Green space
GR. Green space ramp

As the part closest to the street, NORTH is designated for two planting spaces and a market space to attract public attention

The educational planting space for children is enclosed by low brick walls and fences to provide a safe environment, while still allowing visual interaction with the public

The public planting space is semi-open, encouraging the public entering the space

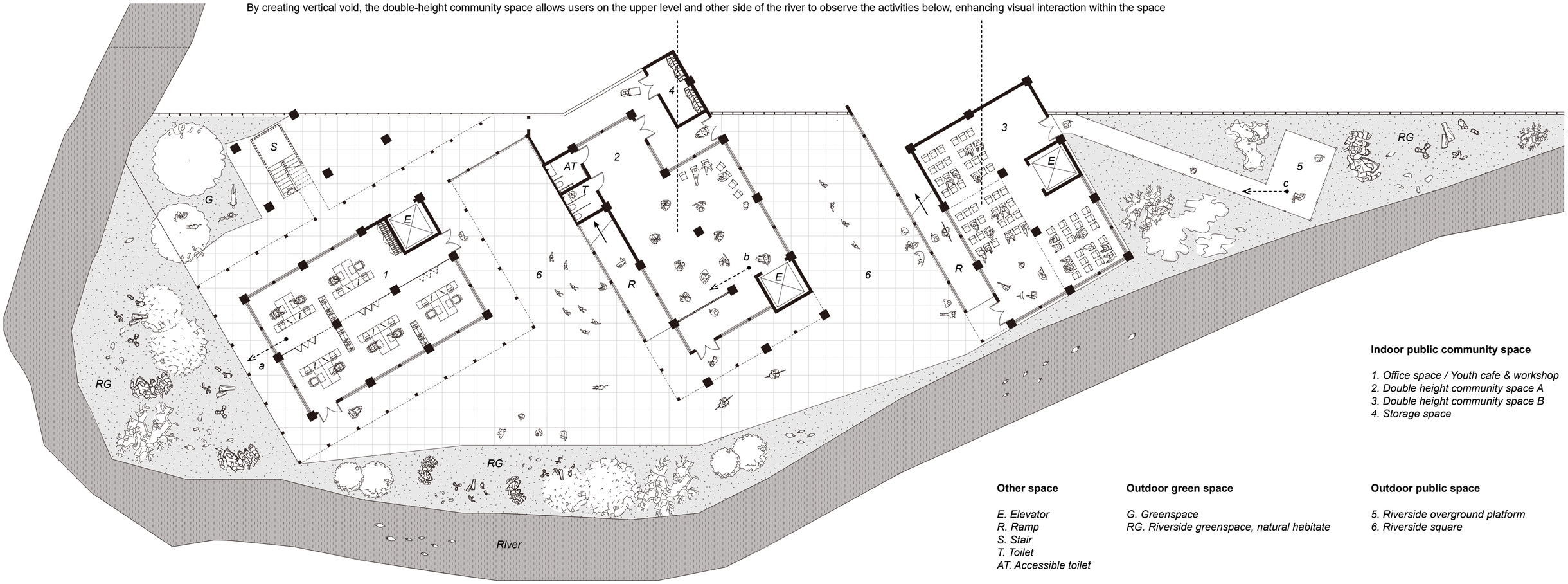


NORTH section, View from East

1:200 Floorplan - CENTRAL Lower Ground Floor

Lower Ground Floor, public community space, office space and greenspace

By creating vertical void, the double-height community space allows users on the upper level and other side of the river to observe the activities below, enhancing visual interaction within the space



Indoor public community space

1. Office space / Youth cafe & workshop
2. Double height community space A
3. Double height community space B
4. Storage space

Other space

E. Elevator
R. Ramp
S. Stair
T. Toilet
AT. Accessible toilet

Outdoor green space

G. Greenspace
RG. Riverside greenspace, natural habitate

Outdoor public space

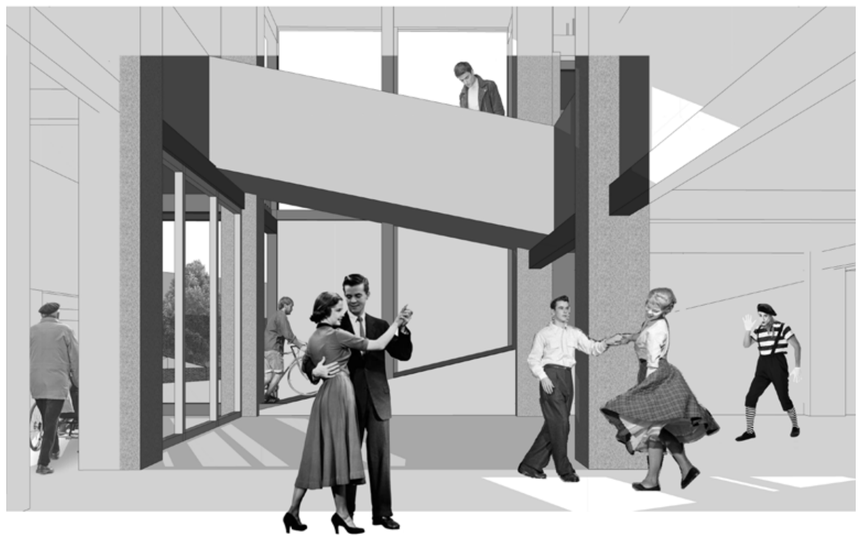
5. Riverside overground platform
6. Riverside square

Lower Ground Floor space is surrounded by the river. The area near the river serves as a green space and habitat for animals, which not only gives the site a strong identity but also creates view for space actors and public

0 2 4 6 8 10 20 30 40 m

N

View a. Office space view to greenspace



View b. Double height community space A

View c. Riverside overground platform

1:200 Floorplan - CENTRAL Upper Ground Floor

Upper Ground Floor, community kitchen, dining & community space and planting space

Indoor community kitchen space

1. Community kitchen for adults traing
2. Community kitchen for public
2. Community kitchen for children education

Indoor community space

4. Office space / Youth cafe & workshop
5. Community dining space
6. Community space
7. Balcony

Outdoor public space

8. Planting space
9. Covered planting space
10. Storage space
11. Public activities space
12. Public still space
13. Temporary market area
G. Green space

Other space

E. Elevator
R. Ramp
S. Stair
AT. Accessible toilet
GR. garbage room

0 2 4 6 8 10 20 30 40 m

N

Upper Ground Floor space serve as the main public activity space. The columns structure and glass facade, maximizing the visual interaction, which allow the activities inside to be visible to the public.

1:200 Floorplan - CENTRAL Upper Ground Floor

Higher Ground Floor, public community kitchen, dining & community space

View a. Community kitchen for children education to community kitchen for public

Childrern actors in edcational kitchen see public community kitchen space's activities, observe and learn

View b. North side market space

Open space reserved for a temporary market area, attracting the public and encouraging potential users further engagement with the building's interior spaces

View c. South side planting space for public

Planting area for public are placed at the southern end of the building to receive maximum sunlight from South, activities can be seen from floor above and public

View d. Public dining space

Indoor public dining space maximize natural light through column structure, while also allowing users to view activities in other spaces when they dining

View e. View to Upper Ground Floor office space from the stair

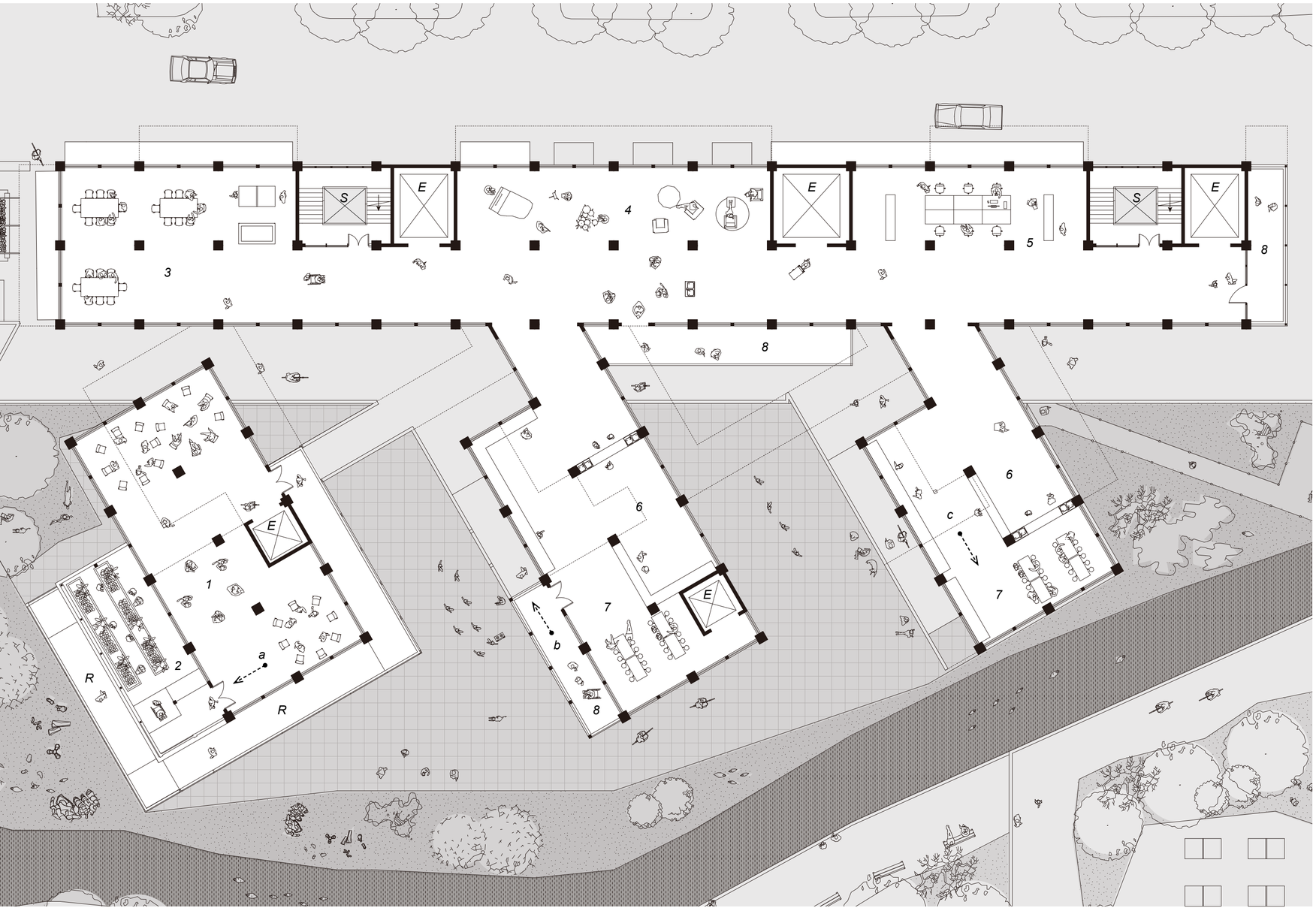
Spiraling ramp connects multiple levels of the building, while an elevator ensures full accessibility for all users

View f. View from Upper Ground Floor to the community space B below

Vertical void allow public observe activities below, bringing potential users to these space activities

1:200 Floorplan - CENTRAL 1st Floor

1st Floor, community space, residents' shared community kitchen and residents' community space



0 2 4 6 8 10 20 30 40 m

View a. 1st Floor public community space and planting balcony

View b. 1st Floor residents' balcony view

View c. Residents' community kitchen space

Community space (seperated building)

1. Indoor community activities space
2. Outdoor balcony planting space

Residents' community space

3. Residents' community social space
4. Residents' activities space
5. Residents' libary space

Residents' community kitchen space

6. Residents' community kitchen space
7. Residents' dining area

Other space

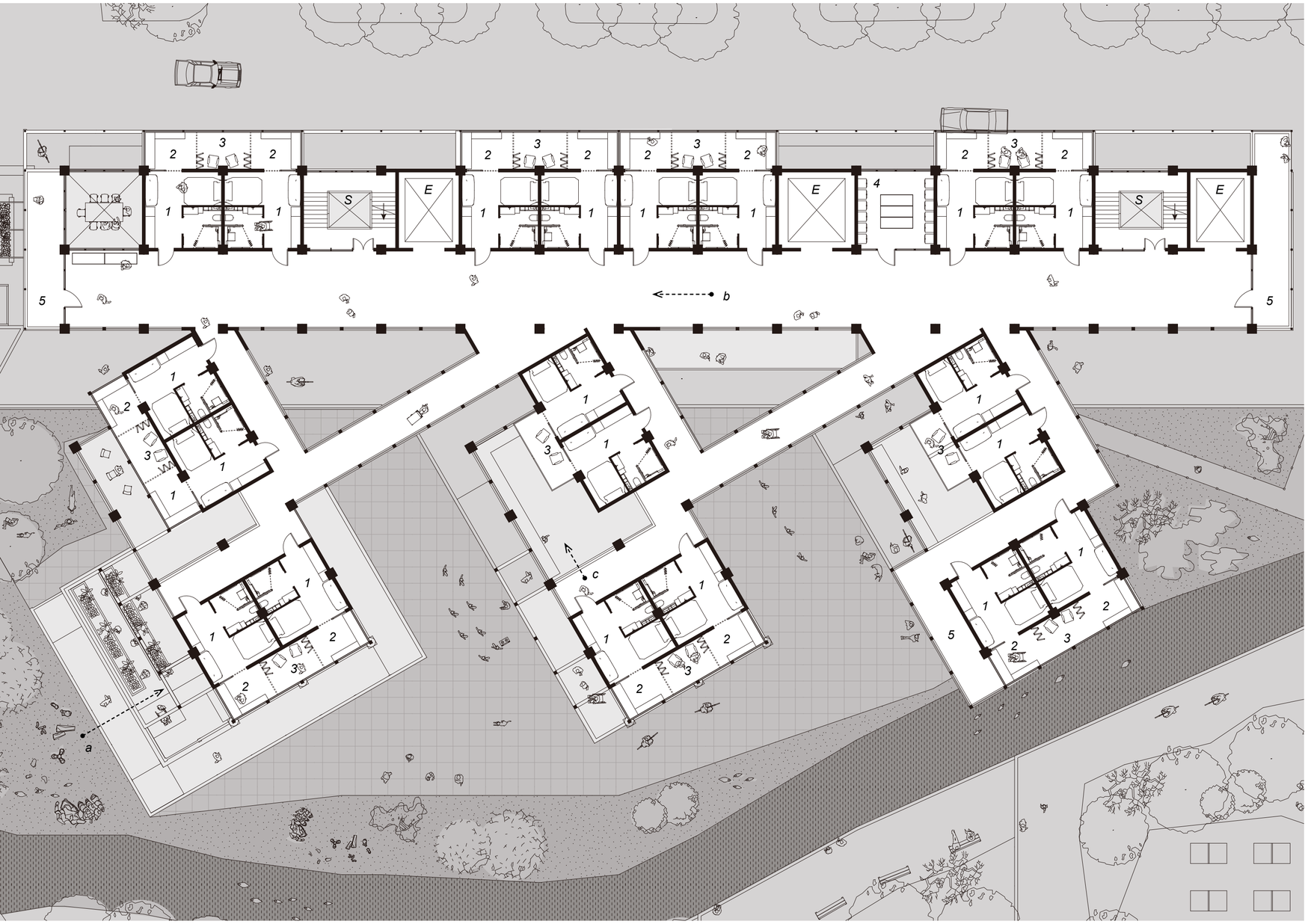
8. Balcony
R. Ramp
E. Elevator
S. Stairwell

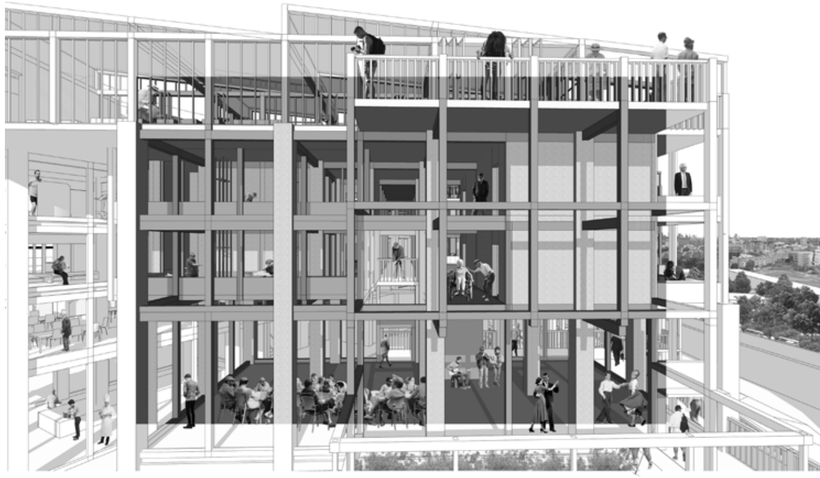
The 1st Floor community space is not connected to the main building, double height space maximise natural light and create comfortable space using environment

The 1st Floor is designed around the concept of creating an enclosed community by providing seperated facilities including libary and social space, providing residents with a safe environment and a sense of enclosure, while still allowing visual interaction with the public space activities below. The community kitchen is placed below residents' individual living units, allowing residents to observe the activities within the kitchen

1:200 Floorplan - CENTRAL 2nd Floor

2nd Floor, individual living units (20 each floor) & facilities





View a. South side view from outside

View b. 2nd Floor corridor view

View c. View from 2nd Floor elevated corridor to 1st Floor community kitchen space below

Residents' Living Unit

1. Bedroom and accessible bathroom
2. Privated work space
3. Shared social space

Residents' shared facilities

4. Laundry room

Other space

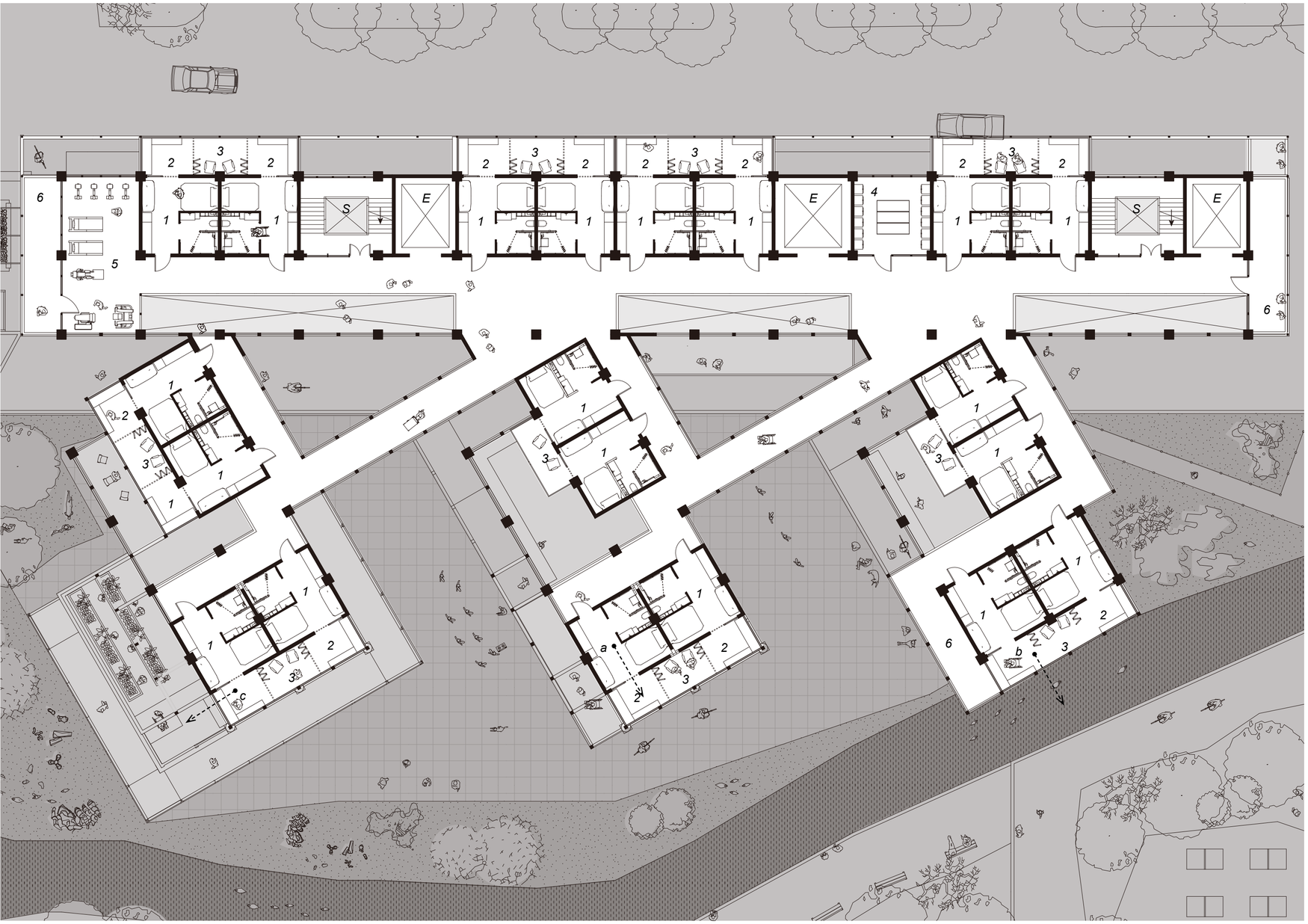
5. Balcony
E. Elevator
S. Stairwell

The entrance and laundry room are located on the same side of the building for residents' convenience. Balconies are placed at both the North and South ends to allow users to view the spaces below. Additionally, the southern balcony provides shade, reducing direct exposure to intense sunlight on the below 1st Floor residents' social space

Interior suspended corridor connect different living unit, as a platform allow residents see space activities below, exterior suspended corridor connect different space allowed public see residents' movement

1:200 Floorplan - CENTRAL 3rd Floor

3rd Floor, individual living units (20 each floor) & facilities



View a. Individual living unit interior space

View b. Individual living unit view to East public green space and planting space

View b. Individual living unit view to South

Residents' Living Unit

1. Bedroom and accessible bathroom
2. Privated work space
3. Shared social space

Residents' shared facilities

4. Laundry room
5. Residents' gym room

Other space

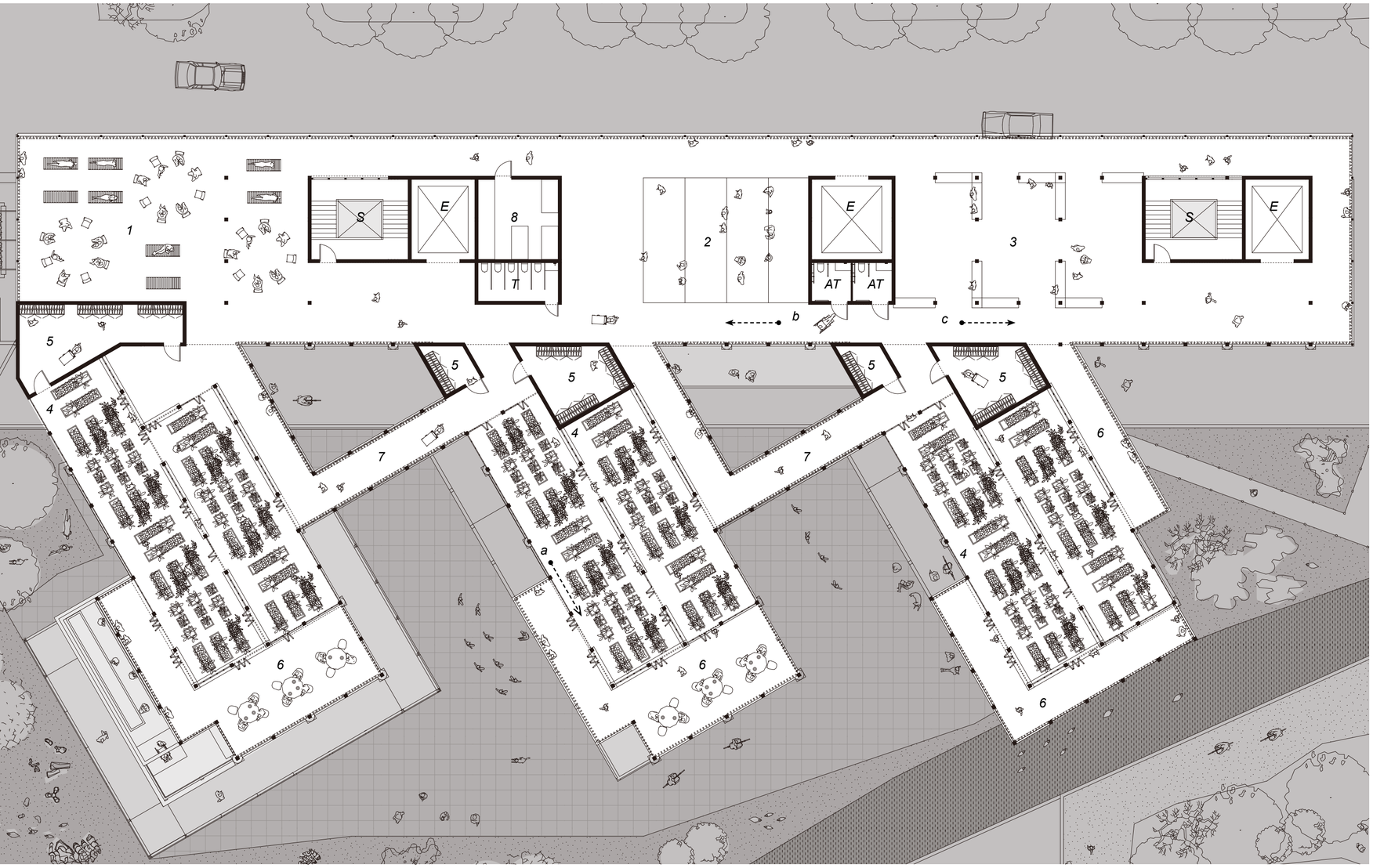
6. Balcony
E. Elevator
S. Stairwell

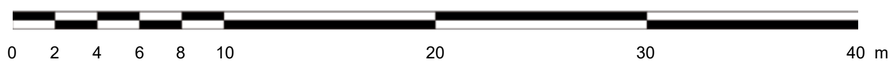
Gym room and laundry is provided for residents on 3rd Floor

To the individual Living unit, in addition to viewing the activities in the spaces below, residents also have a clear view of the riverside path and the expansive sports fields and parks surrounding the site

1:200 Floorplan - CENTRAL Rooftop Space

Rooftop space, growing space and residents' community space





N

Residents' community space

1. South sun bath space
2. Communnity movie space
3. Community gathering space

Residents' planting space

4. Residents' greenhouse growing space
5. Storage room

Other space

6. Balcony
7. Outdoor suspended corridor
8. Electrical and mechanical room
S. Stairwell
AT. Accessble toilet
T. Toilet

The rooftop space mainly consists of community space for residents and planting greenhouses, the main concept is to provide a safe and enclosed outdoor environment for residents and families gatherings and activities, while also creating planting space for residents

The community space is covered by a retractable waterproof fabric roof to accommodate varying lighting needs for different activities

The planting space inside greenhouse can be divided into forty plots for use by all residents

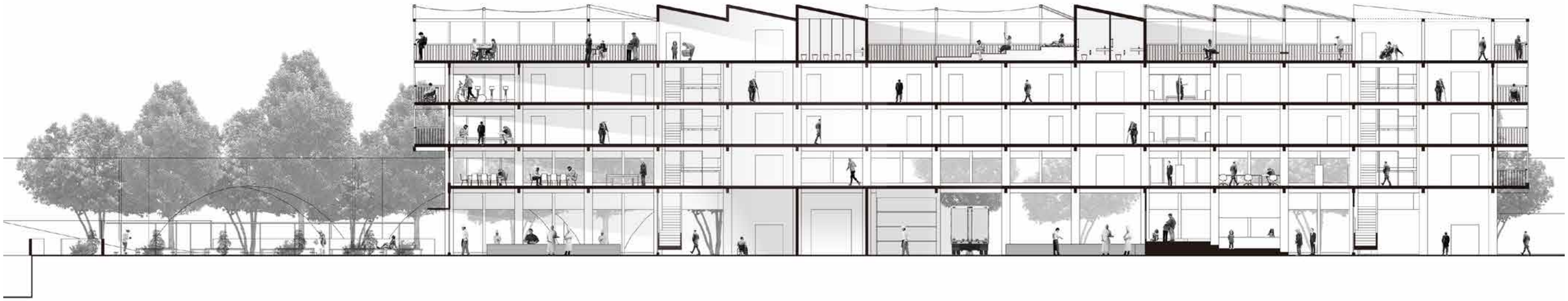
View a. Rooftop greenhouse growing space

View b. Rooftop residents' community space

View c. Rooftop residents' gathering space

1:200 Long & Short Section - CENTRAL

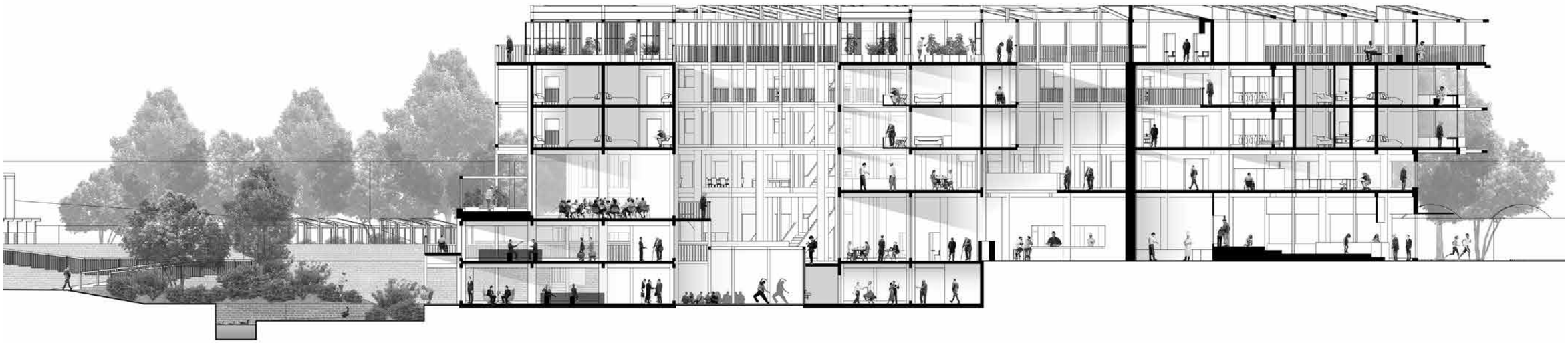
CENTRAL Long & Short Section



0 2 4 6 8 10 20 30 40 m

CENTRAL long section, View from East

N



0 2 4 6 8 10 20 30 40 m

CENTRAL short section, View from North-East

N

1:200 Floorplan - SOUTH Ground Floor

Ground Floor, living units & residents' community kitchen

Residents' private & shared space

1. Individual living unit
2. Private working space
3. Doorway shared social space

Outdoor space

8. Outdoor covered doorway social space

Residents' community space

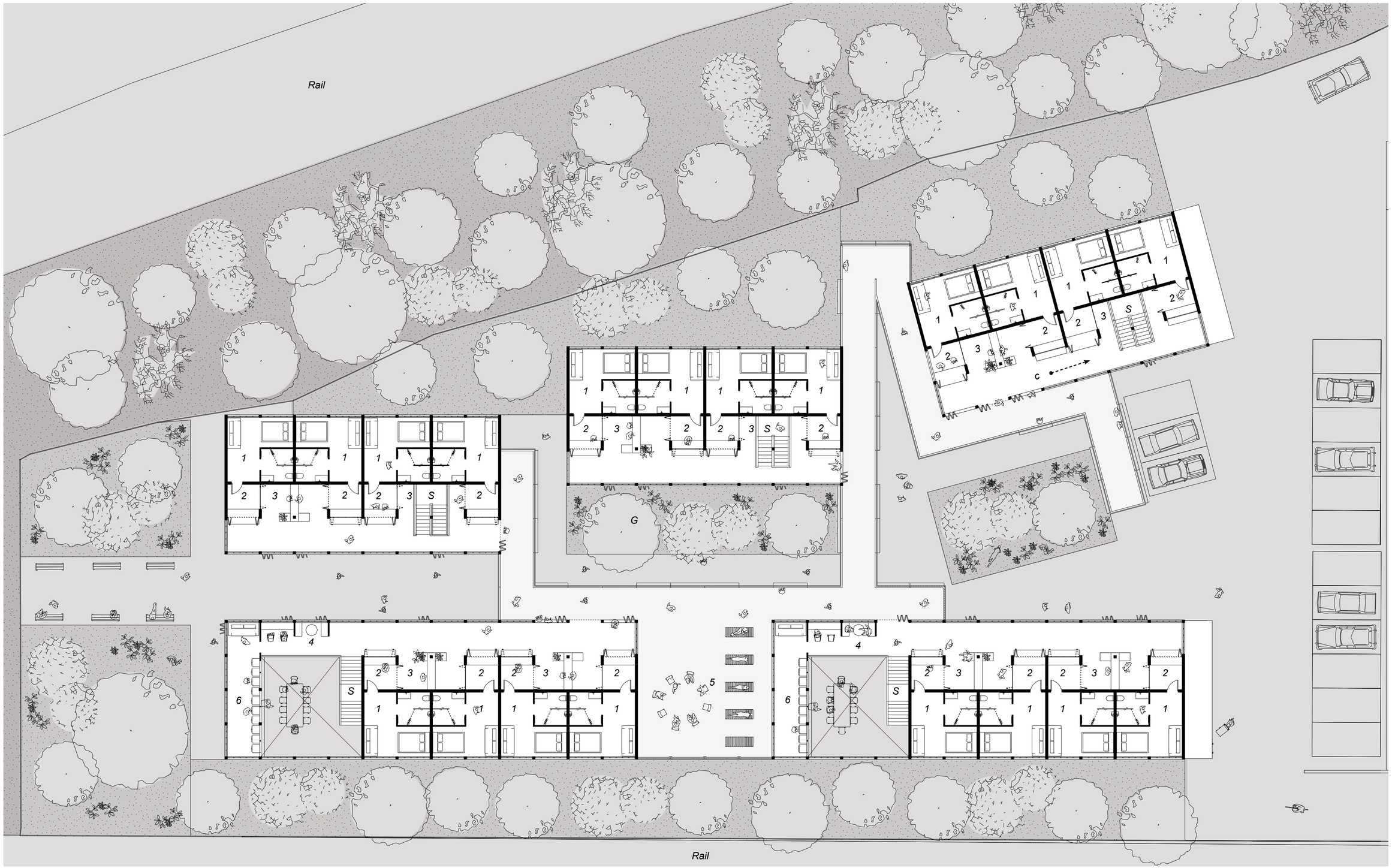
4. Residents' ommunity kitchen space
5. Dining space
6. Storage space
7. Gym room

Others

GR. Garbage room
B. Bike storage room
G. Green space
S. Stair

1:200 Floorplan - SOUTH 1st Floor

1st Floor, living units & facilities



Residents' private & shared space

1. Individual living unit
2. Private working space
3. Doorway shared social space

Residents' community space

4. Residents' shared workspace
5. Rooftop social space
6. Laundry room

0 2 4 6 8 10 20 30 40 m

N

1:200 SOUTH Long Section

SOUTH Long section, view from East

0 2 4 6 8 10 20 30 40 m

SOUTH Long section A, View from North-East N

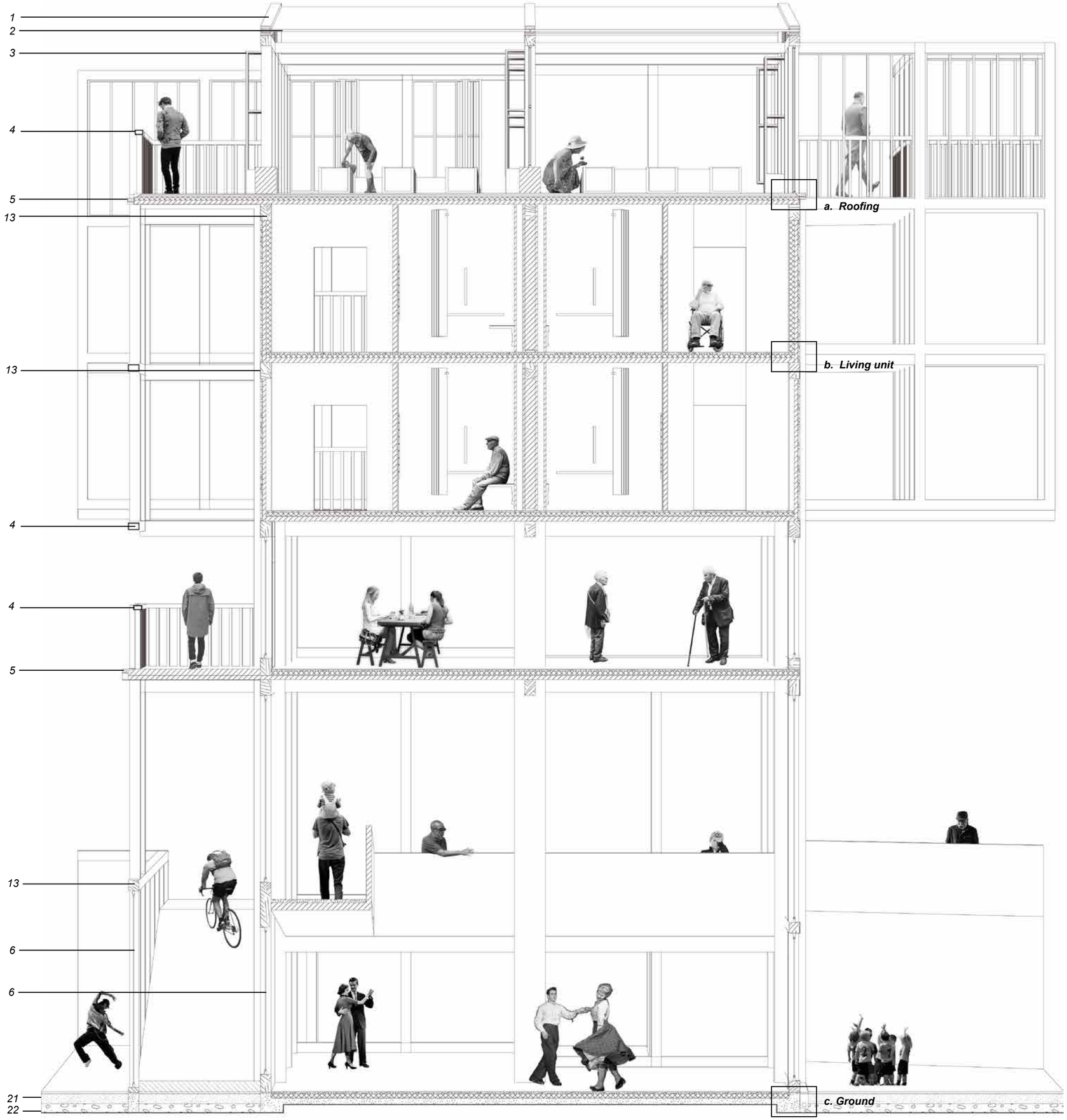
0 2 4 6 8 10 20 30 40 m

SOUTH Long section B, View from North-East N

View a. SOUTH living space front view

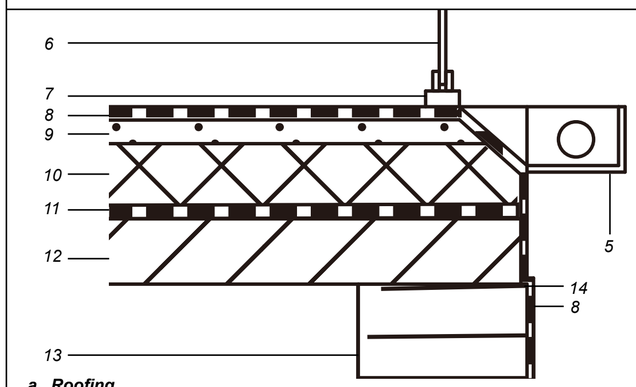
View b. Residents' community kitchen & dining space

View c. Living space doorway social space view



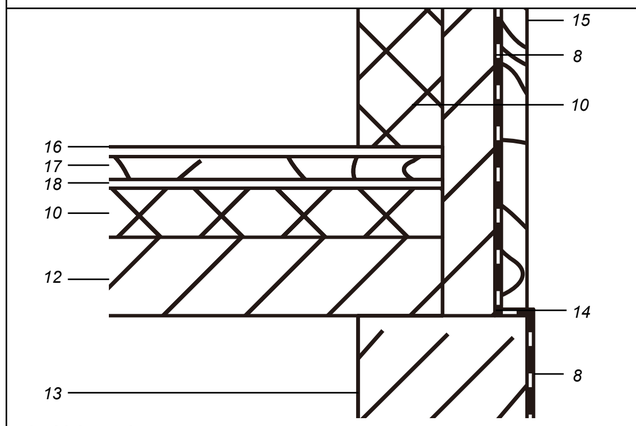
Fragment Study

1:50, 1:20 Section, CENTRAL



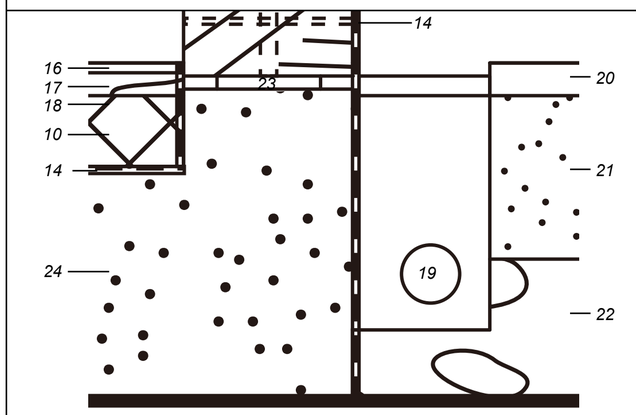
a. Roofing

1. Aluminium roofing structure
2. Polycarbonate sheet
3. Aluminium foldable door
4. Aluminium srtucture
5. Aluminium dump control
6. Single glazing glass
7. Aluminium window frame
8. Waterproof layer
9. Sound insulation
10. Rockwool insulation with waterproof layer
11. Structure underlay
12. CLT slab
13. Glulam beam
14. Fire protection layer



b. Living unit

15. Wood panel facade
16. Carpet floor
17. Lanminated wood with coating
18. Sound insulation

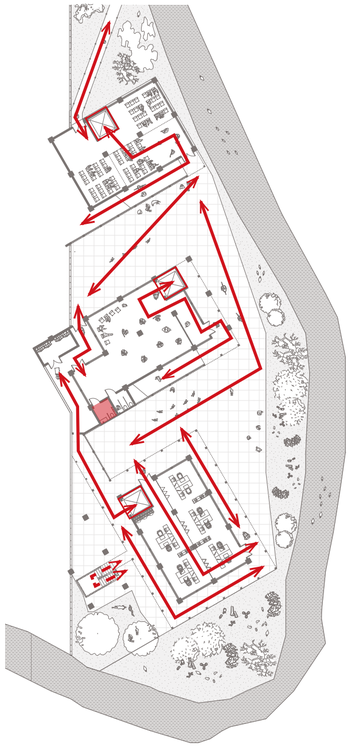


c. Ground

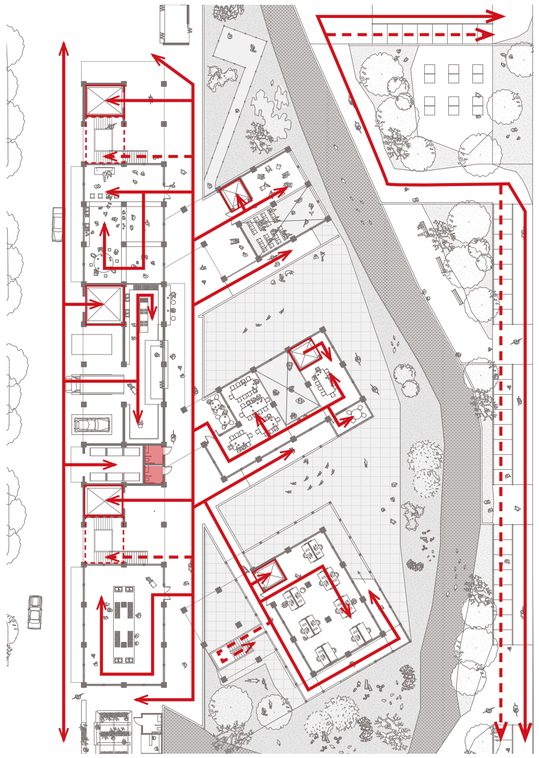
19. Dump control
20. Sprayed concret
21. Road stone
22. Geotextile membrane
23. Metal plate connection
24. Reinforced concrete foundation

Accessibility & Fire Escape

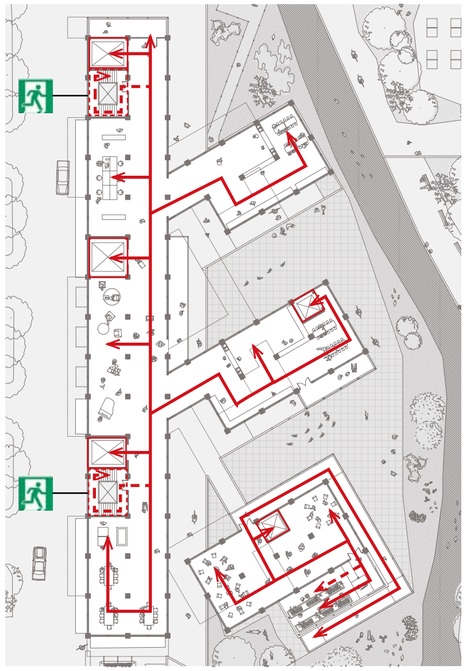
CENTRAL & SOUTH accessibility & fire escape



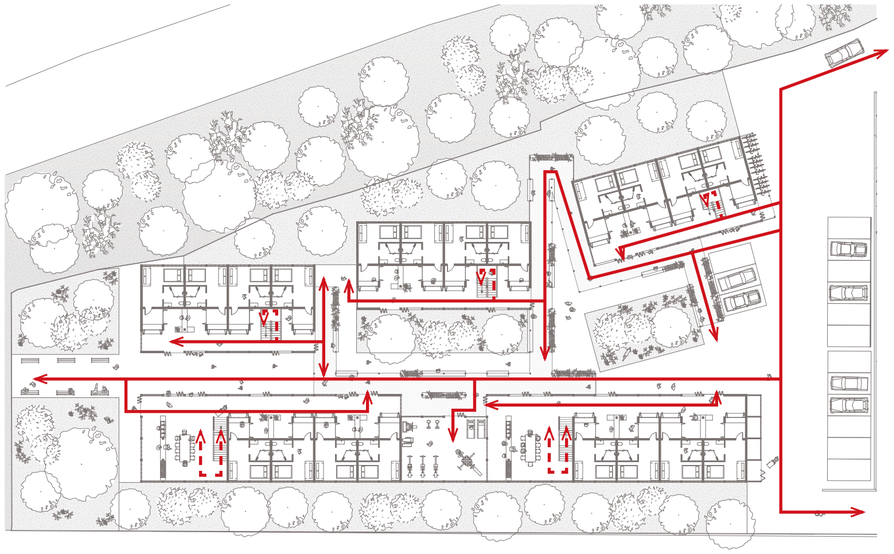
Lower Ground Floor



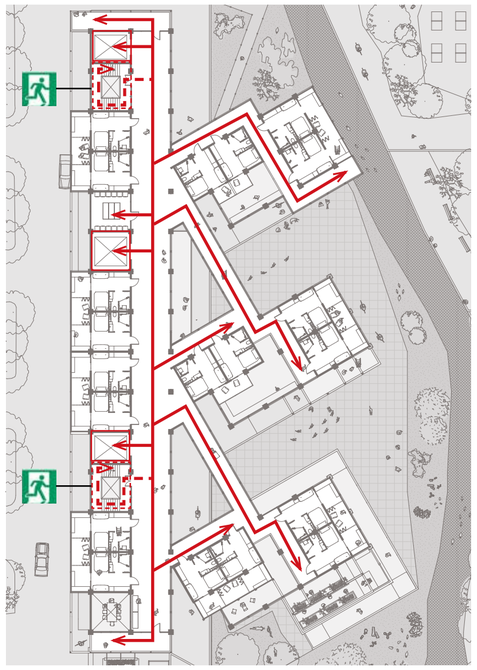
Upper Ground Floor



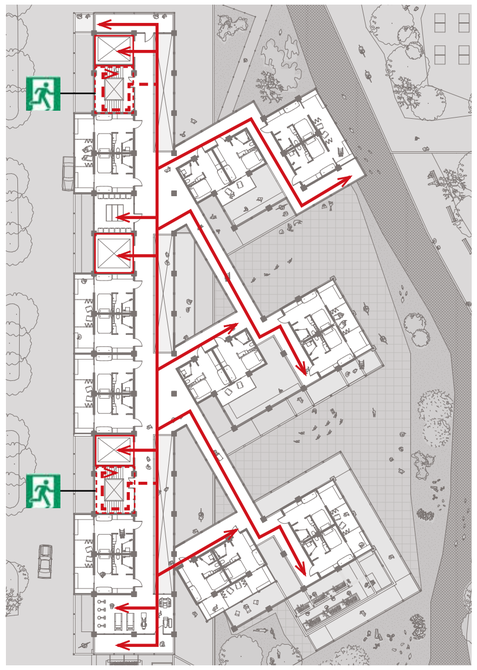
1st Floor



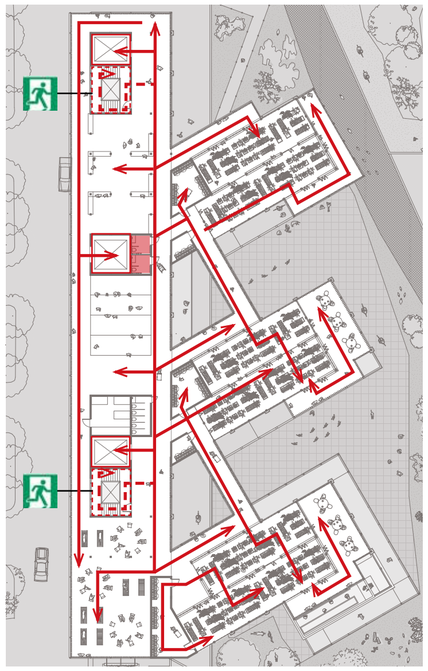
Ground Floor



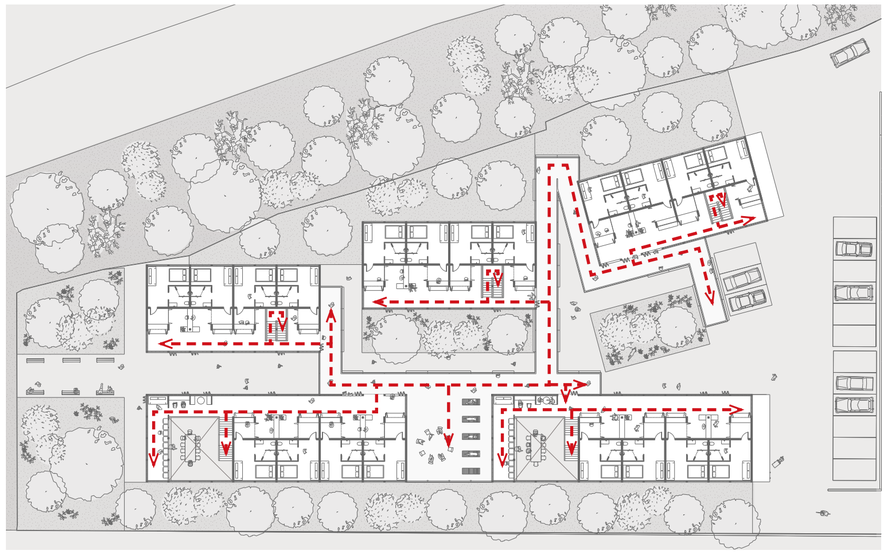
2nd Floor



3rd Floor



Roofspace



1st Floor

Full accessibility for wellchair

Actors movement

Fire exit

Stairwell

Elevator

Accessible toilet