

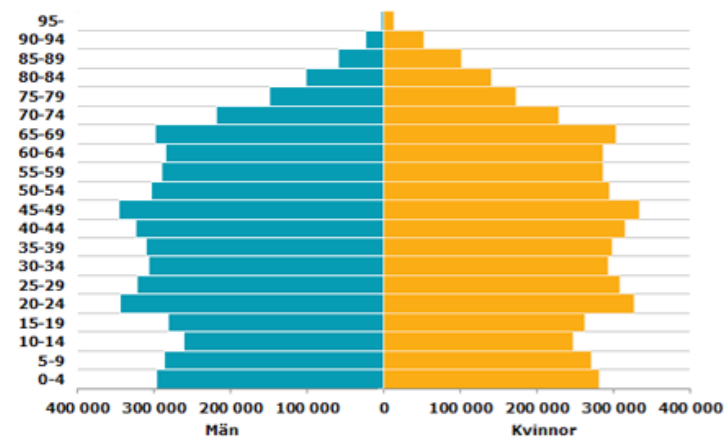
# GIBRALTAR VALLEY.

Elin Marasovic & Patrik Svanberg



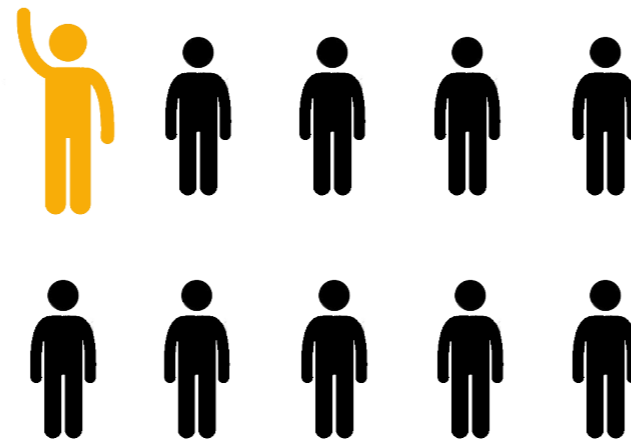


# GIBRALTAR VALLEY.



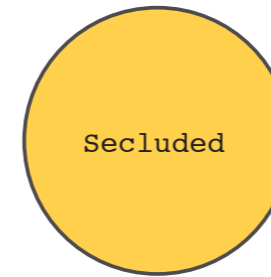
## Demography

An ageing population with a larger proportion of people aged 55+ makes the need for safe haven houses greater in the near future.

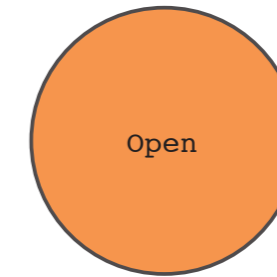


## Hesitation of moving

There is a general hesitation among people in the target group (55+) to move. There are many reasons for this - economical, practical or emotional.

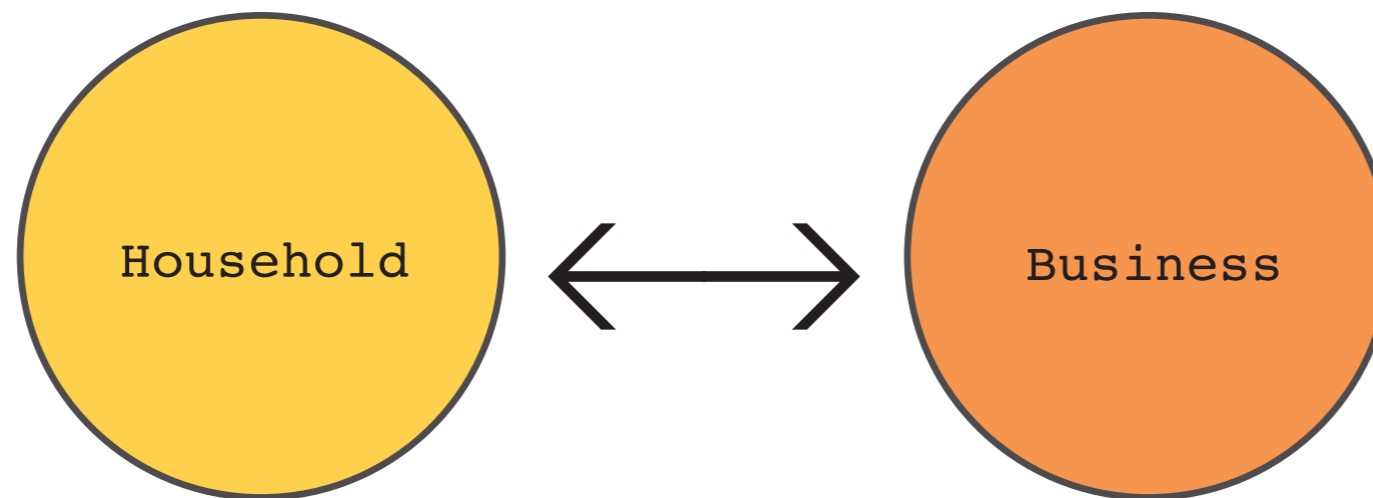


Vs.



## Common trend among Safe Haven Houses

Many built Safe haven houses are built to protect the residents from the surroundings - with the argument that it'll make the residents feel more safe. We are challenging that presumption.



## Embracing the urban life

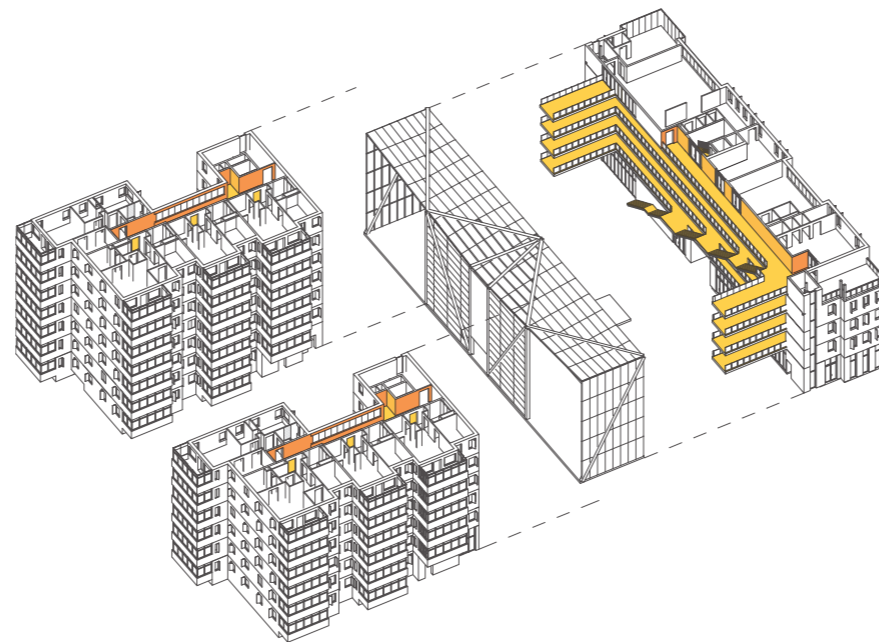
We're creating an environment where small businesses can flourish with the help of a specific customer base - while providing the residents with local services and familiar faces behind the counters.

# GIBRALTAR VALLEY.

## Points of departure



Urban Context



Connections & Building shape

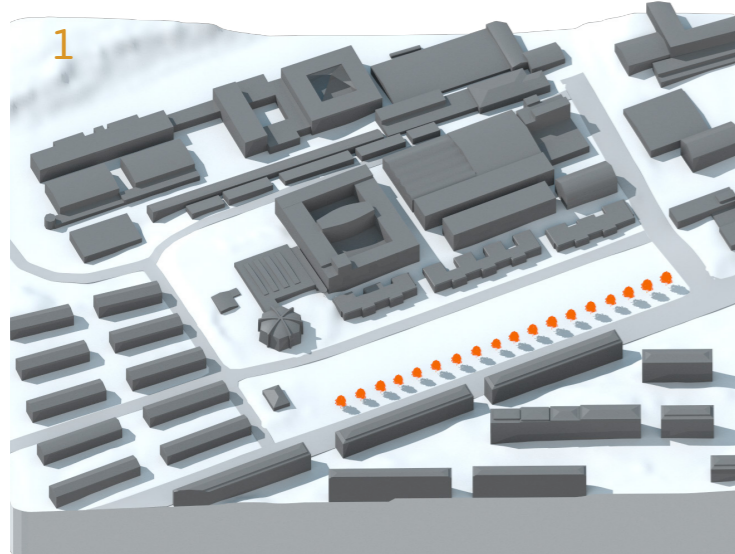


Technical aided life style

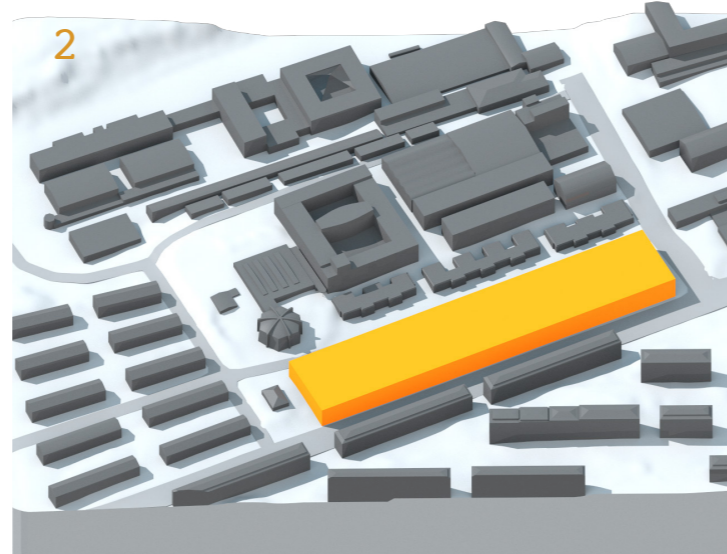


# GIBRALTAR VALLEY.

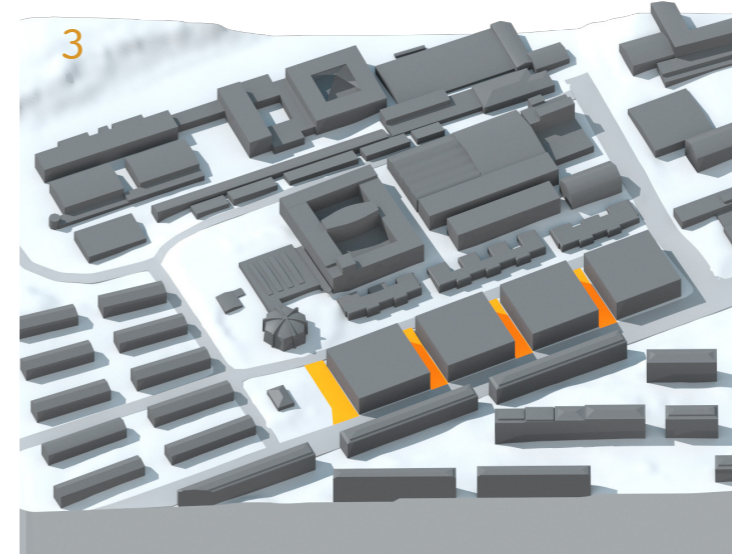
## Urban Context



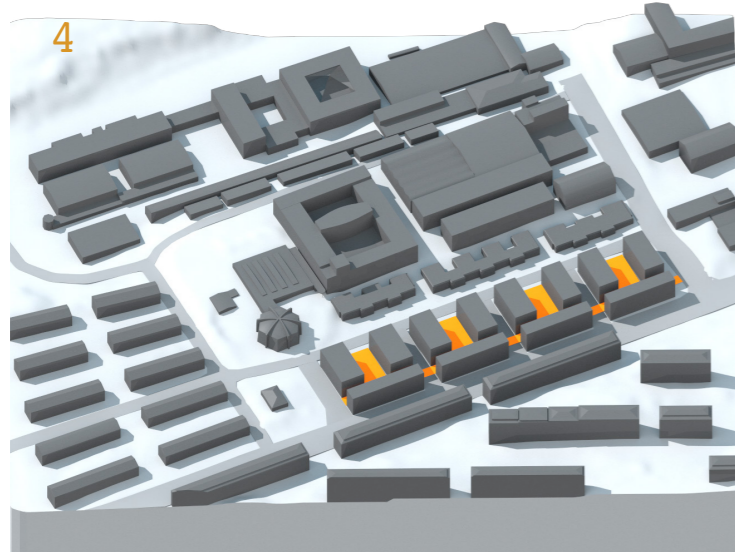
1  
Line of trees today - meant to function as a green wall concealing the parking lot in Gibraltarvallen. These trees are replaced to make way for our vision for the built structure on the site.



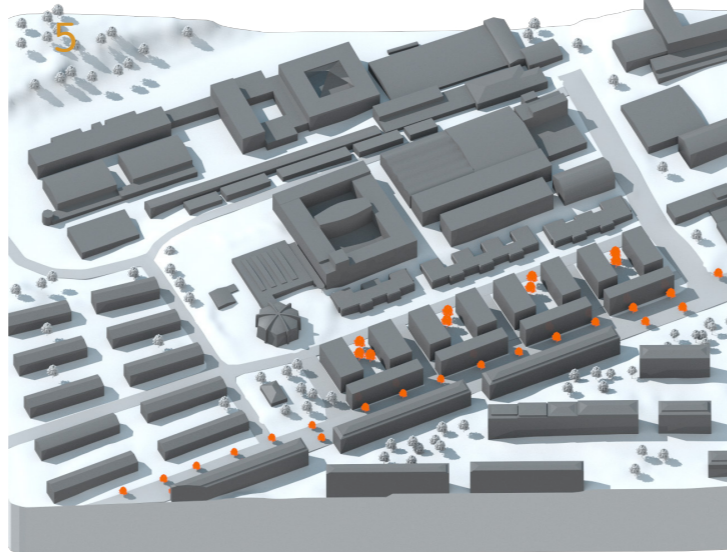
2  
Built structure closes the gap to Gibraltargatan and creates a narrower streetscape.



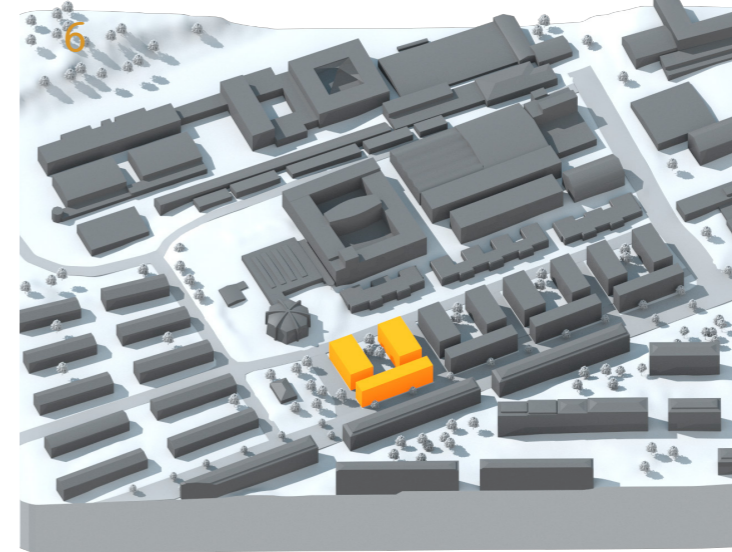
3  
Fine meshed connections between Gibraltargatan and Chalmers campus - between building blocks.



4  
New parallel path with Gibraltargatan - with different character. Courtyards open to south-west.



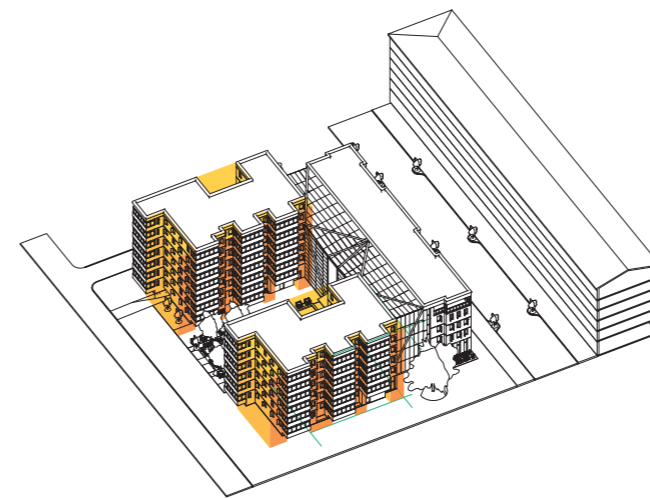
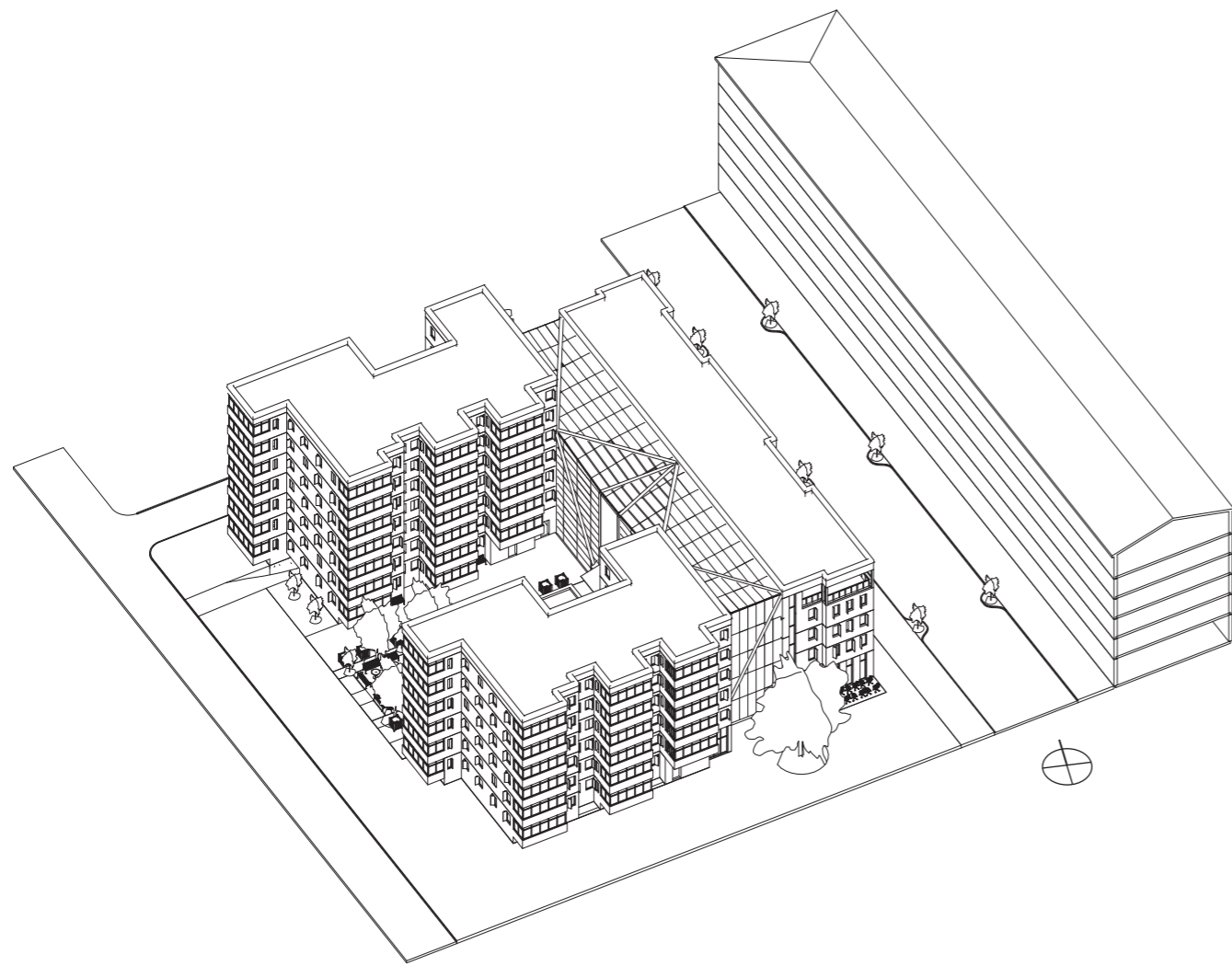
5  
Existing trees plus newly planted ones. New parallel line of trees along Gibraltargatan.



6  
Our proposal.

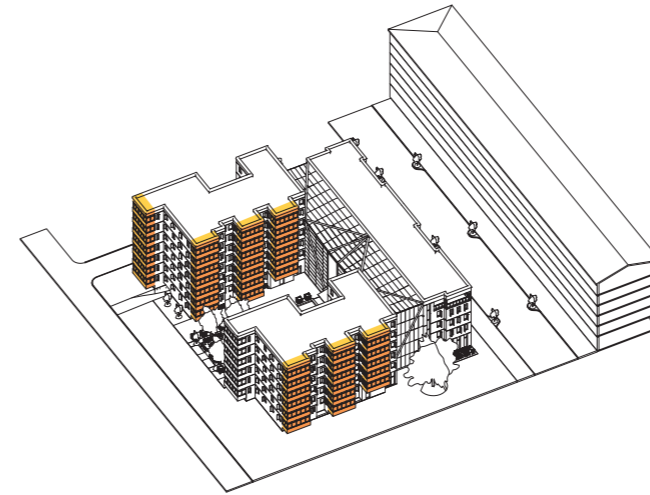


# GIBRALTAR VALLEY.



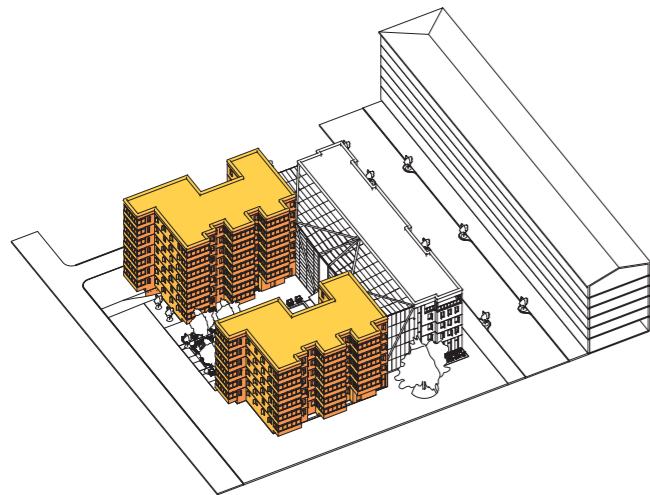
## Niches

Niches are created to create better day-light conditions in the apartments.



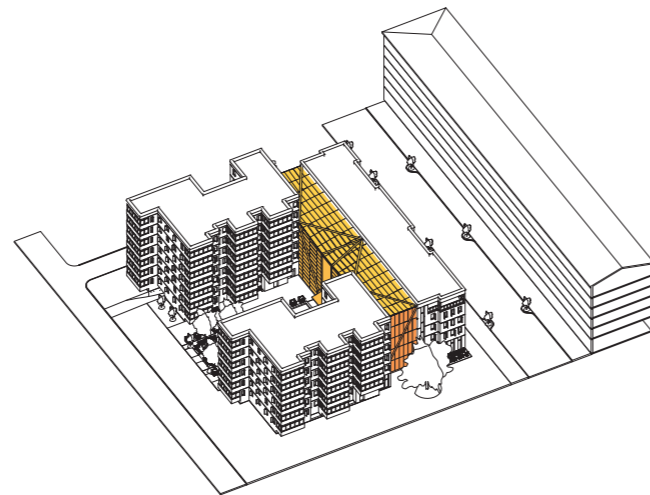
## Balconies

Each apartment is provided with a private glazed balcony facing south.



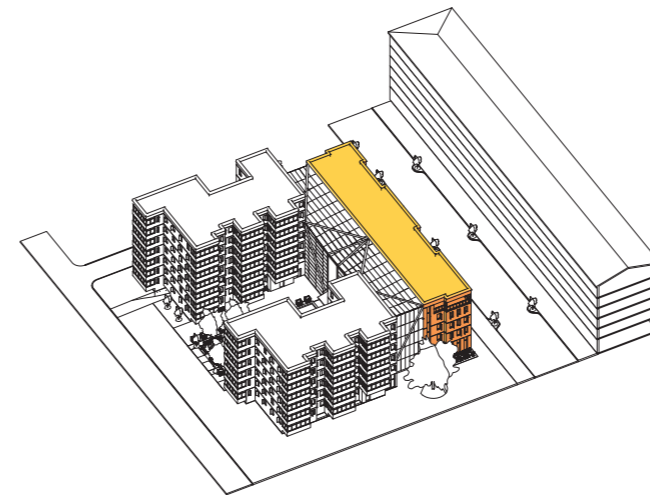
## Residential buildings

All the apartments are located in two buildings separated from the active street of Gibraltargatan. The northern one is 7 stories high and the southern one is 6 stories high.



## Atrium

The parallel street with Gibraltargatan is enclosed in a glazed atrium to create a public space with a pleasant climate through the year.



## Function building

The 5 story high building facing Gibraltargatan is programmed with common areas for the residents, public functions and rent out spaces.

## The buildings

49 apartments  
25 3 room and kitchen  
24 2 room and kitchen

1 short time apartment

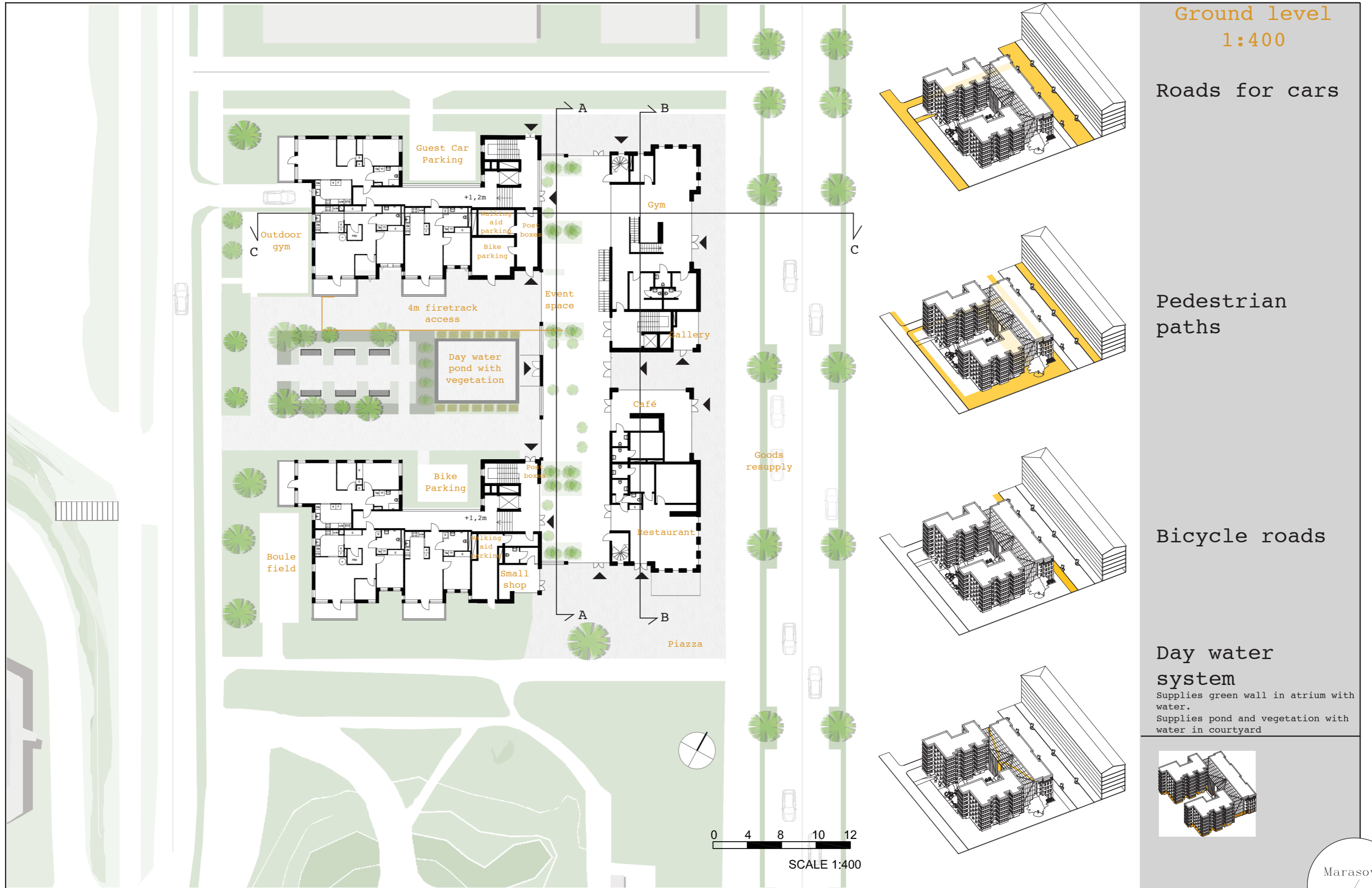
15 rent out spaces for offices or small businesses

204 square meters common spaces for residents





# GIBRALTAR VALLEY.



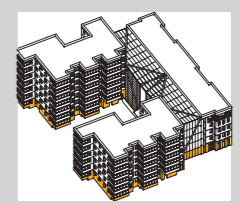
Ground level  
1:400

Roads for cars

Pedestrian paths

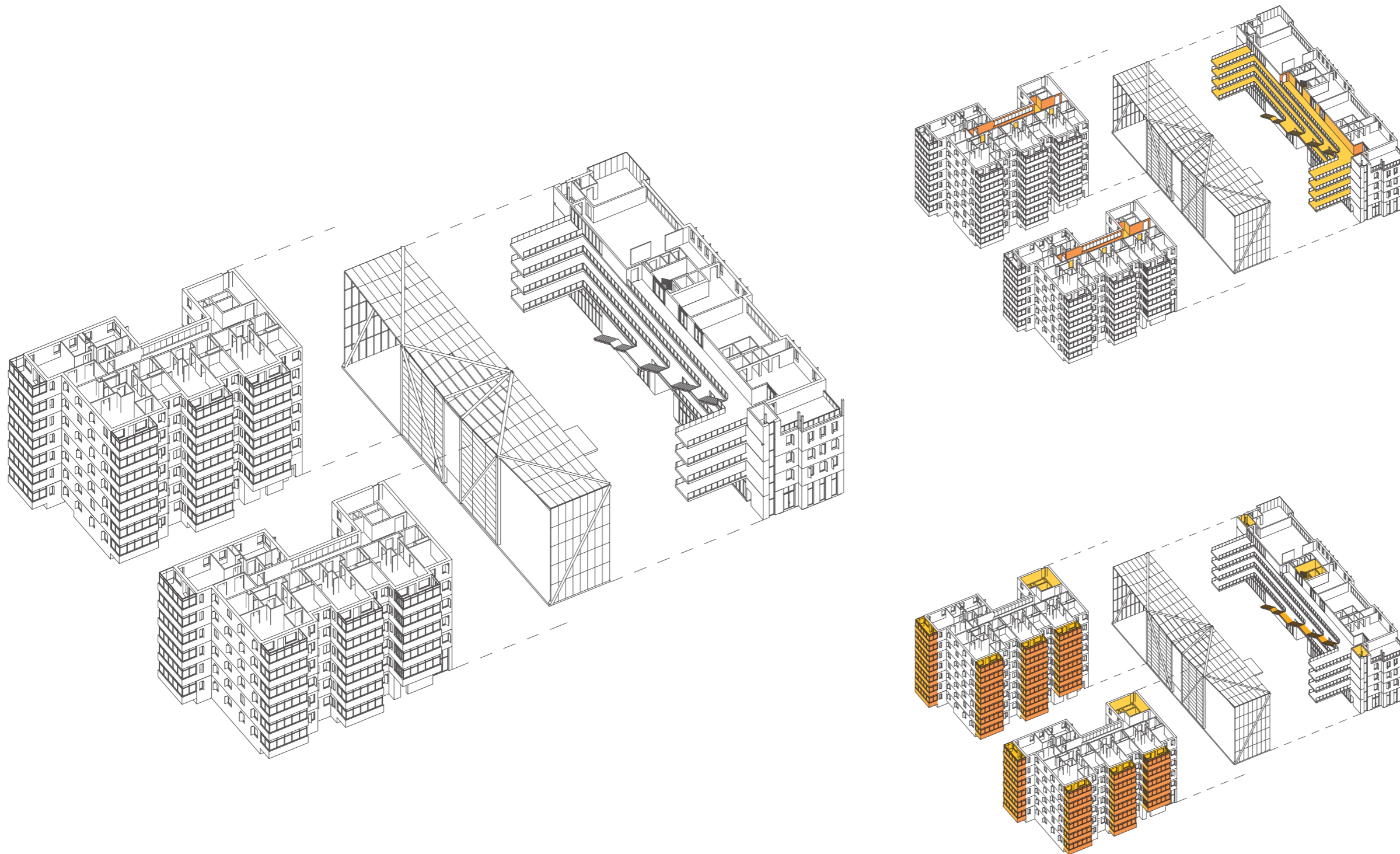
Bicycle roads

Day water system  
Supplies green wall in atrium with water.  
Supplies pond and vegetation with water in courtyard





# GIBRALTAR VALLEY.



## Connections

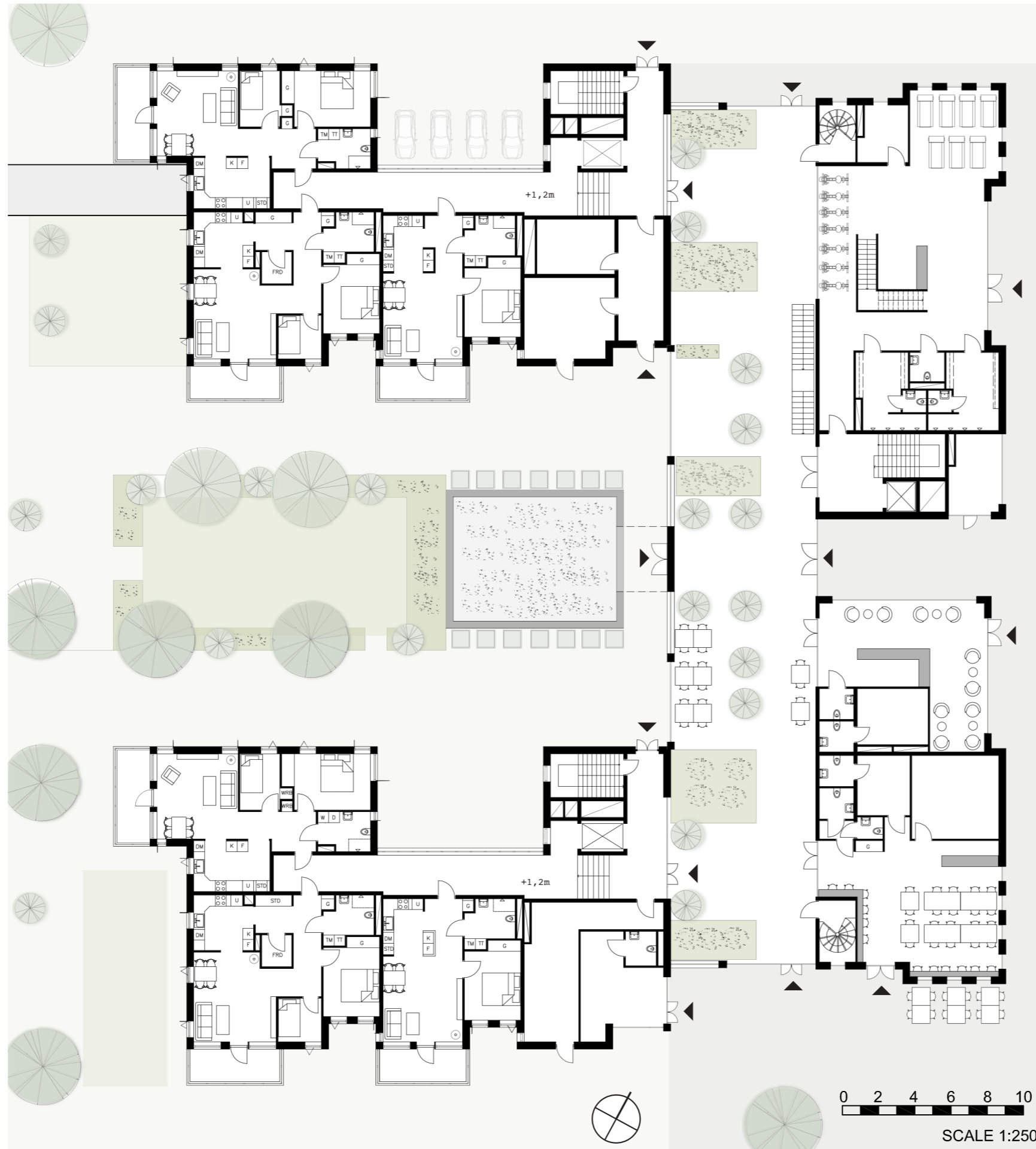
Corridors, in the residential buildings on level 2 to 5, are connected to access balconies through the atrium. Creates direct paths between the buildings.

Each part of the function building is accessible with no more than one elevator trip from the residential buildings.

## Staircases and fire escapes

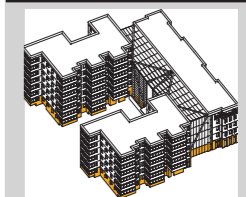


# GIBRALTAR VALLEY.



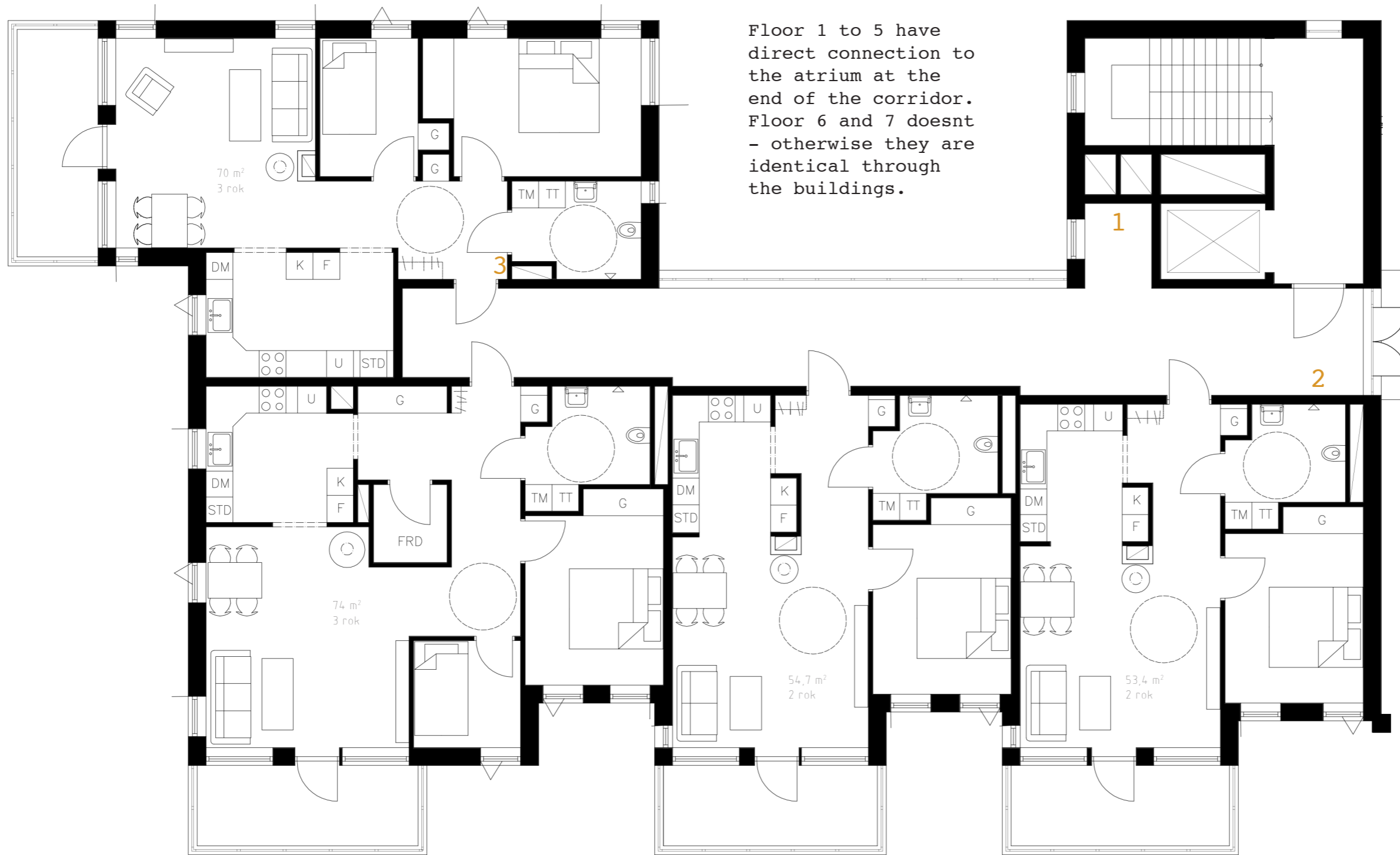
## Ground level 1:250

The apartments on level 1 are 1,2 m above ground level to prevent insight from the paths outside.





# GIBRALTAR VALLEY.



Floor 1 to 5 have direct connection to the atrium at the end of the corridor. Floor 6 and 7 doesn't - otherwise they are identical through the buildings.

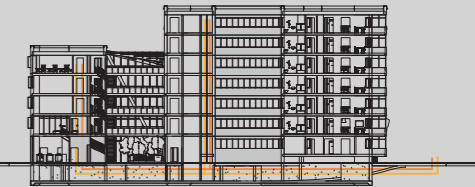
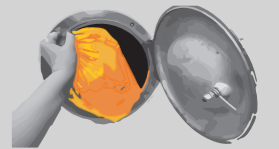
Each apartment equipped with a fireplace, washer/dryer.

All apartments have additional storage space in the basement.

## Apartment plan 1:100

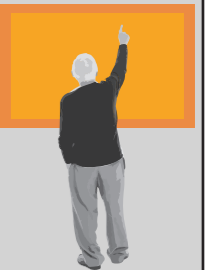
### Technical aid

1 Waste suction system



2 Interactive wall

Booking system  
Patient journal  
Event board  
Information for residents



3 RFID-system

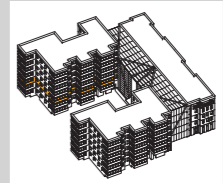
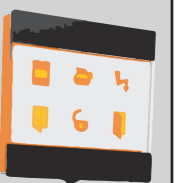
Reminder panel at the entrance

Are the windows closed?

Is the stove turned off?

Medical stock

Food supply in fridge



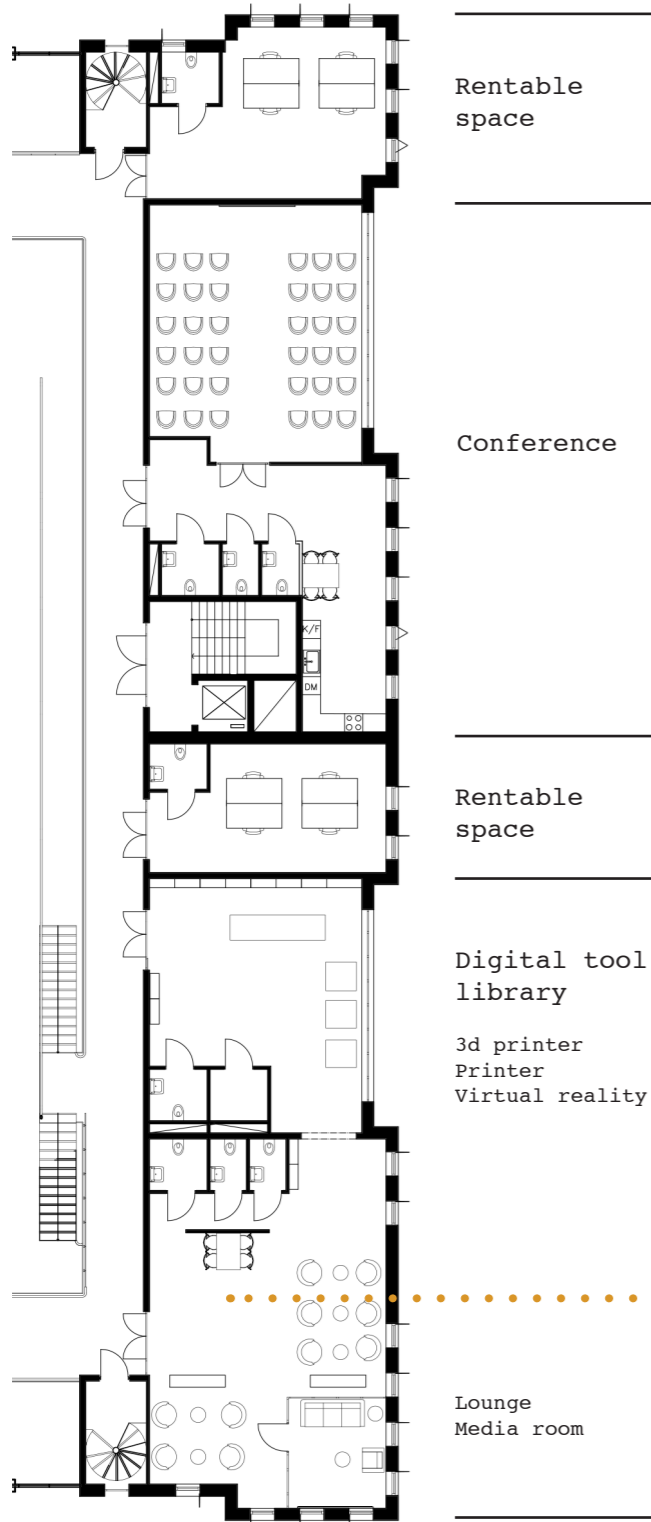
0 1 2 3 4

SCALE 1:100

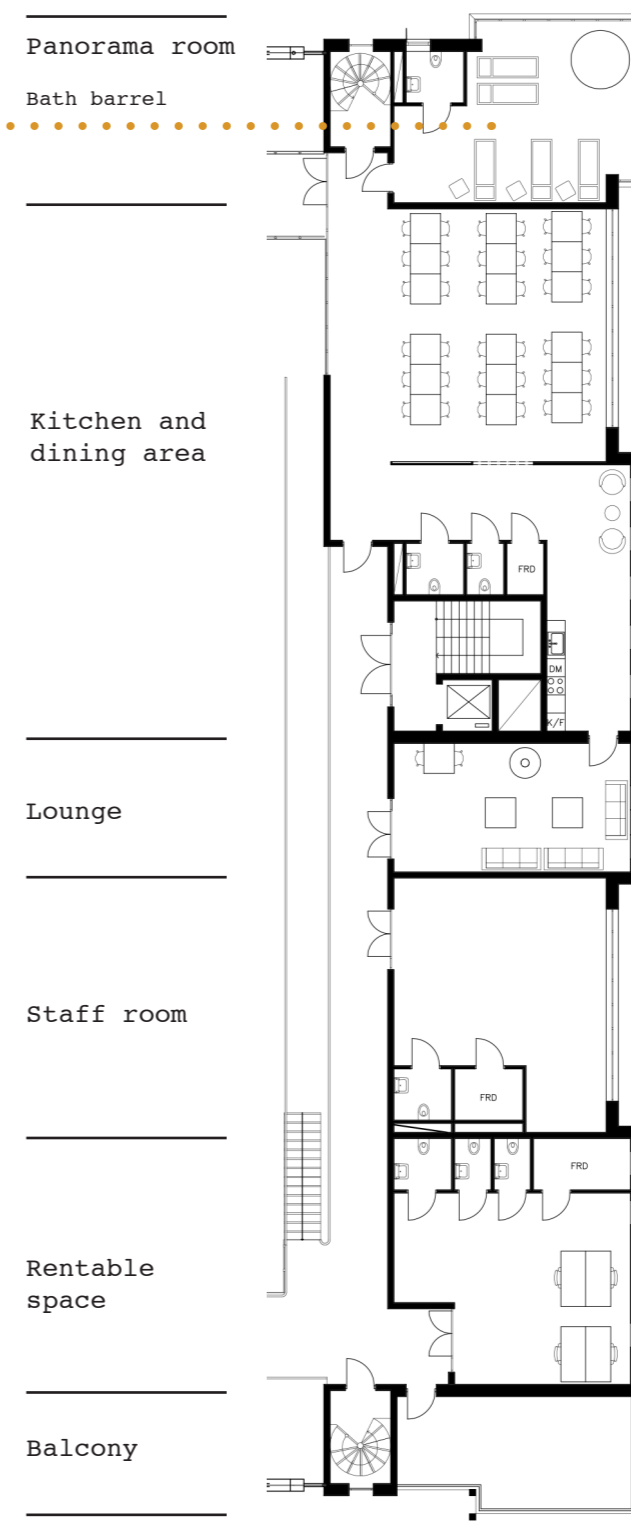


# GIBRALTAR VALLEY.

Floor 4  
Function building  
1:250

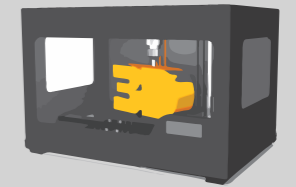


Floor 5  
Function building  
1:250



## Digital tool library

Provides the public and the residents with advanced technical equipment not normally accessible in your household.



## Common areas

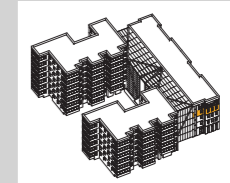
Large dining area designed for multiple kind of events.

Panorama room rentable by the residents through a digital booking system.

## Staff room

Staff room for home care personel and event organizer.

Storage for elder care tools.



0 2 4 6 8 10

SCALE 1:250



# GIBRALTAR VALLEY.



3d-section A-A



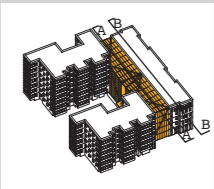
Section B-B

0 2 4 6 8 10

SCALE 1:250

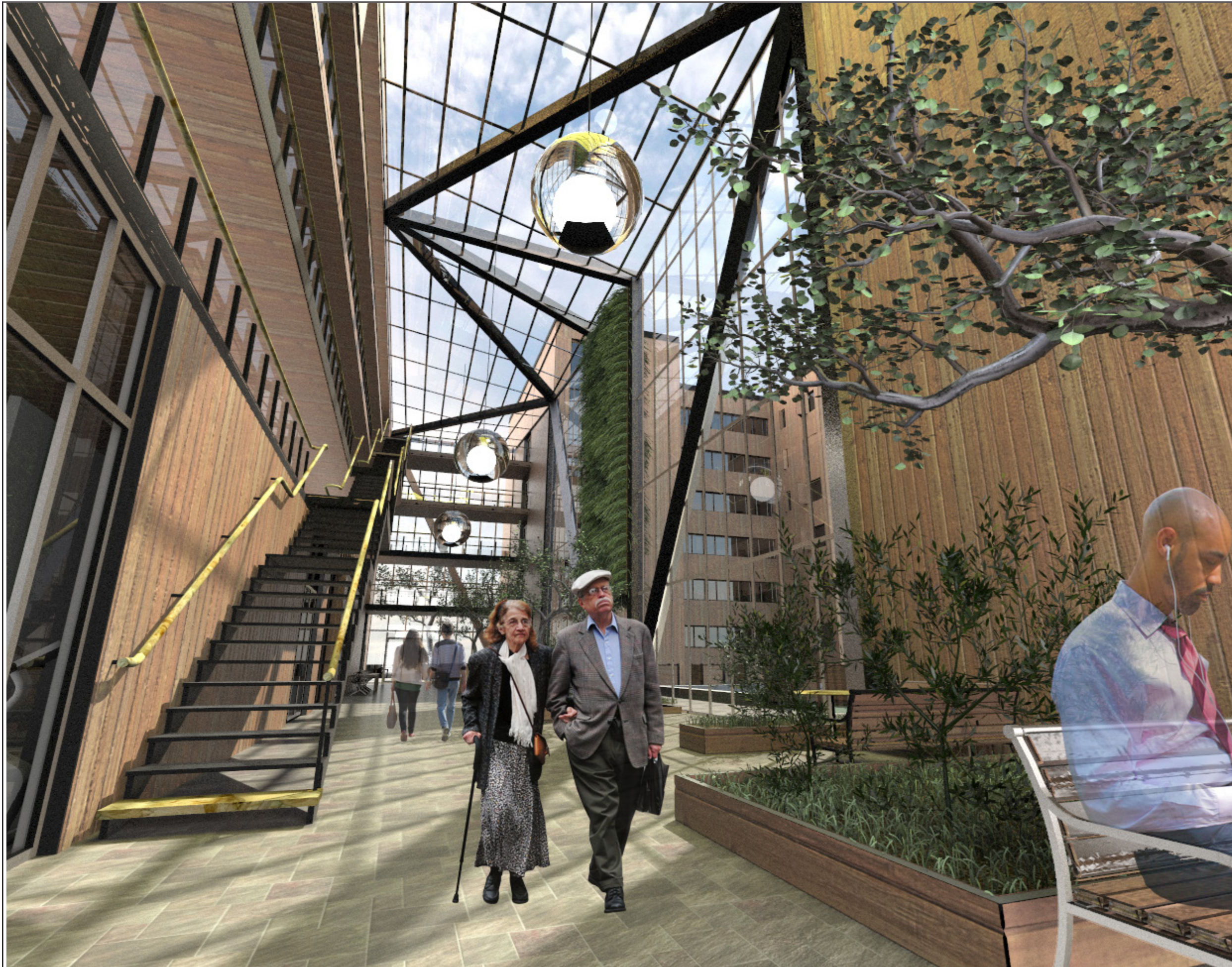
3d-perspective  
section

- Common areas
- Staff room
- Rentable spaces
- Digital tool lib.
- Gym
- Café/restaurant





# GIBRALTAR VALLEY.



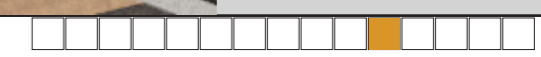
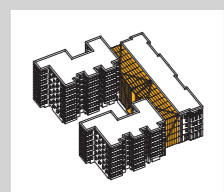
## Perspective atrium

Seating areas

Café seating area

Staircase connecting access balconies

Green wall watered by day water system leading out to courtyard





# GIBRALTAR VALLEY.



3d-section C-C

## 3d-section C-C

### Materials

The residential buildings have a wooden structure with cross laminated timber as shaft walls. The facades and window shutters are heat-treated pine panels. Green roofs.

The atrium has a black steel framework with hardened glass panels.



## Facade facing north 1:250



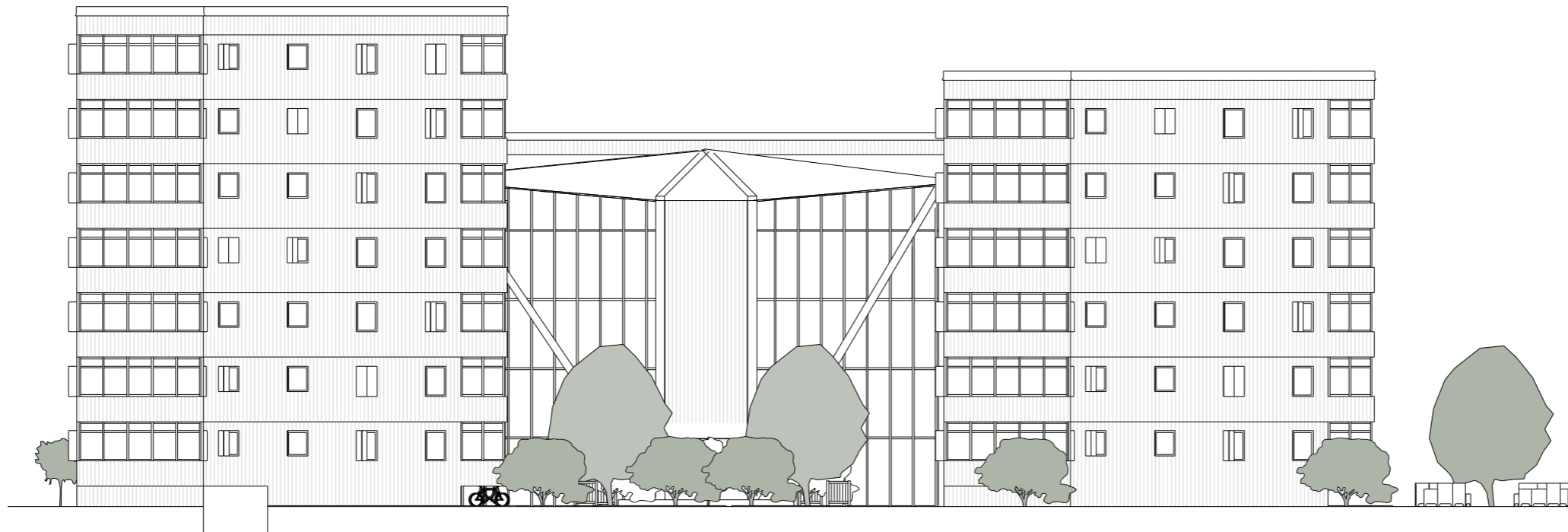
SCALE 1:250



# GIBRALTAR VALLEY.



Perspective  
courtyard



Facade facing  
west 1:250

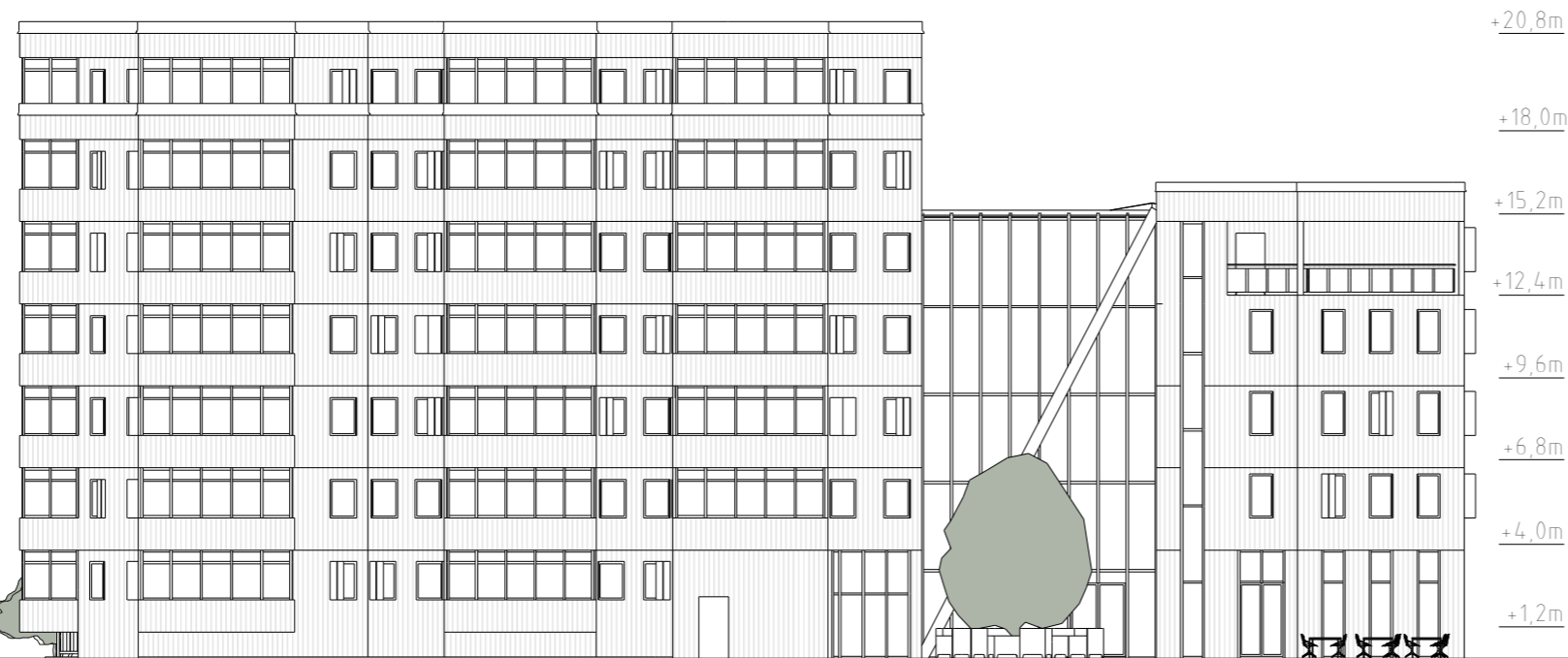




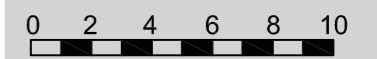
# GIBRALTAR VALLEY.



Perspective  
piazza



Facade facing  
south 1:250

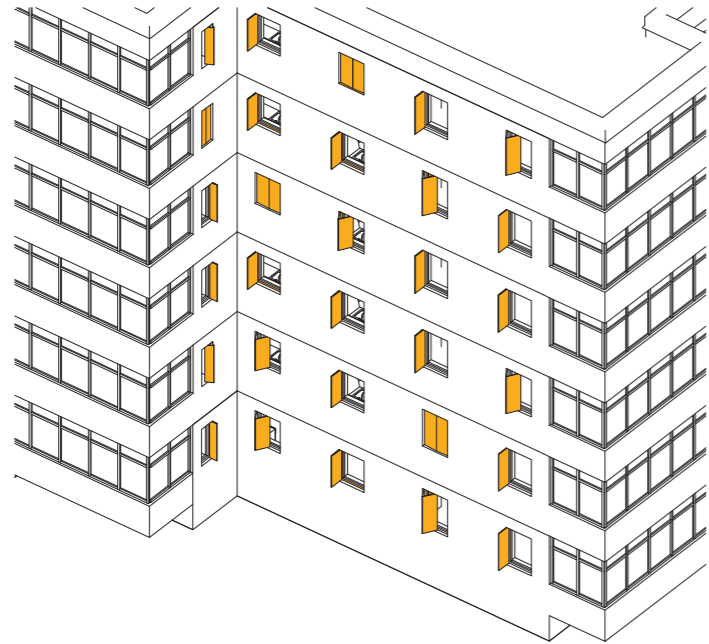
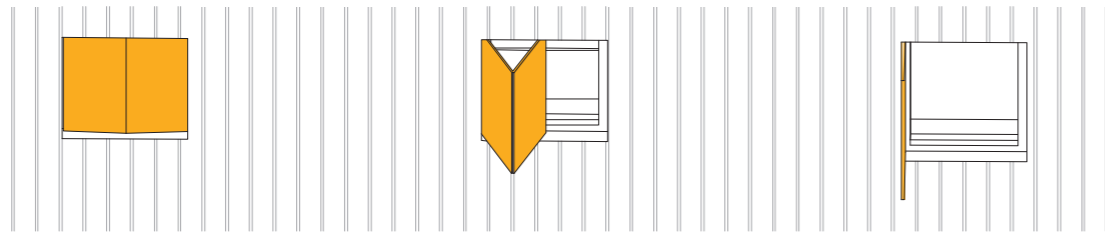


SCALE 1:250

Marasovic  
/  
Svanberg.



# GIBRALTAR VALLEY.

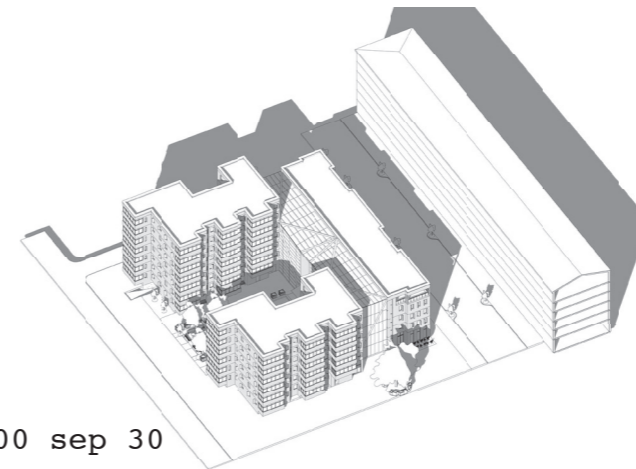


## Window shutters

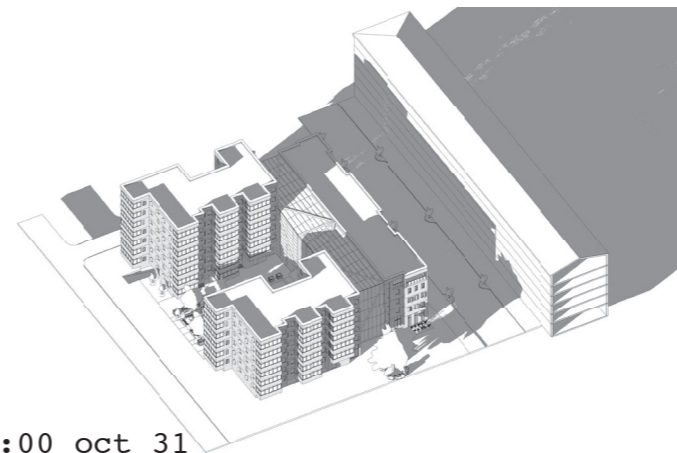
All apartments have windows facing south or west.

To adjust and optimize daylight conditions in the apartments each window is equipped with shutters.

Each panel is electrically controlled and can be setup manually or through programs.



13:00 sep 30



15:00 oct 31

## Solar study

13:00 sep 30

All restaurants and cafés on the east side of Gibraltargatan can have outdoor seatings with sunlight 6 months of the year.

15:00 oct 31

All apartments have direct sunlight through the month of October except the short term rental apartment.

## Facade facing east 1:250



SCALE 1:250