

# 21<sup>st</sup> Century Housing Typologies

University Name: TU Delft, The Why Factory

Project Name: weShare Berlin

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**Professor Name:** Winy Maas, Stavros Gargaretas, Leo Stuckardt

# Summary

In the workshop *weShare Berlin* thirty students of The Why Factory collect and compare various ways in which habitable space in the city is being shared.

How collaborative are current housing developments? And how do they compare to developments of the last century? Can the future become increasingly co-operative?

Where does sharing create conflict and where does opportunity arise?

The analysis of 6 typical Berlin housing typologies from different periods of the 20th and 21st century led to six unique, alternative strategies for a shared future.

What if we share  
by *Visibility*,  
through personal *Expression*,  
by giving *Access*,  
and accepting *Ambiguity*,  
by preserving *Anonymity*  
and cooperating in *Constriction*?

Please enter description of site analysis

# Strategies

Sharing by Visibility  
Sharing by Expression  
Sharing by Access  
Sharing by In-Efficiency  
Sharing by Anonymity  
Sharing by Constriction

# weShare Berlin

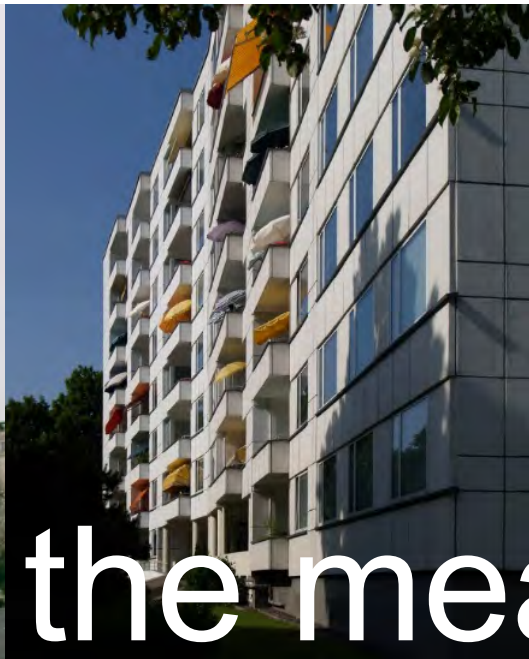
**AN** THE AEDES  
**CB** METROPOLITAN  
LABORATORY

**t? f**  
The Why Factory



IIT College of Architecture  
ILLINOIS INSTITUTE OF TECHNOLOGY

Can we identify alternative  
strategies of sharing?



What are the means



of Sharing?

Who is? → What is? → What if?

How shared is  
the building  
development?

How shared is  
the building  
inhabitation?

Which  
moments of  
sharing can be  
imagined?

# 6 Case Studies

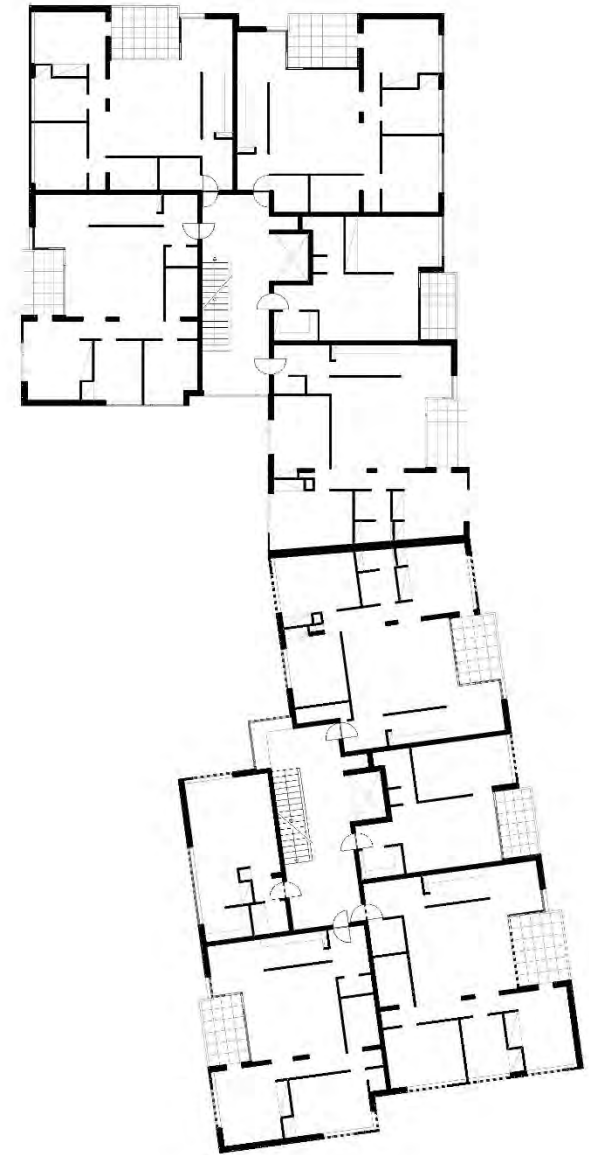


1



Prefab slab, Type: P2, 1960 Berlin

2



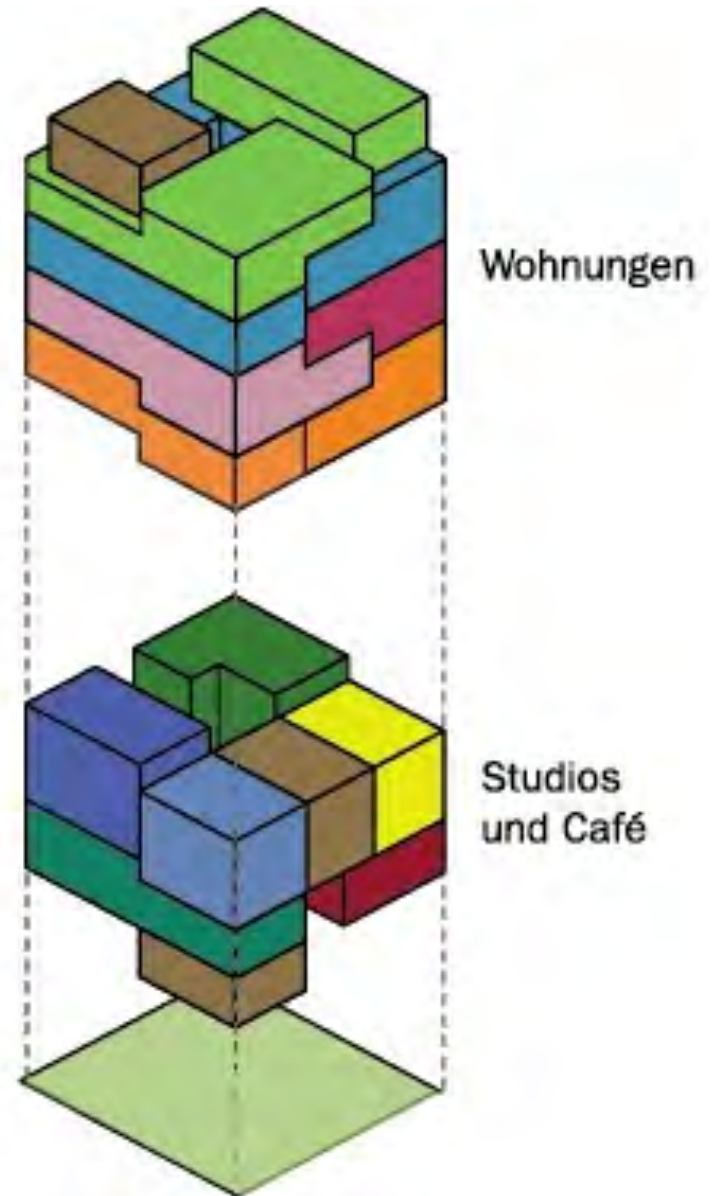
Hansaviertel Apartment House, Alvar Aalto, 1955-57

3



Christburgerstrasse13, Kaden and Lager Architekten, Berlin,

4



Oderberger 56, BarArchitekten, 2008

5



Former Stasi Headquarters, Berlin Lichtenberg

6



Holzmarkt, Berlin, 2012


Sharing by Visibility  
Sharing by Expression  
Sharing by Access  
Sharing by In-Efficiency  
Sharing by Anonymity  
Sharing by Constriction

1

# Sharing by VISIBILITY

GDR Slab: Type P2



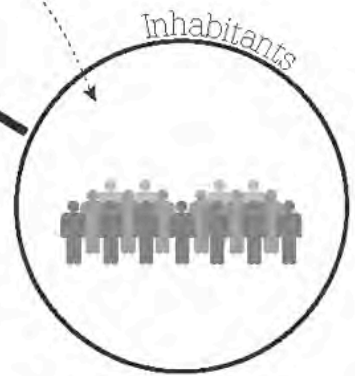
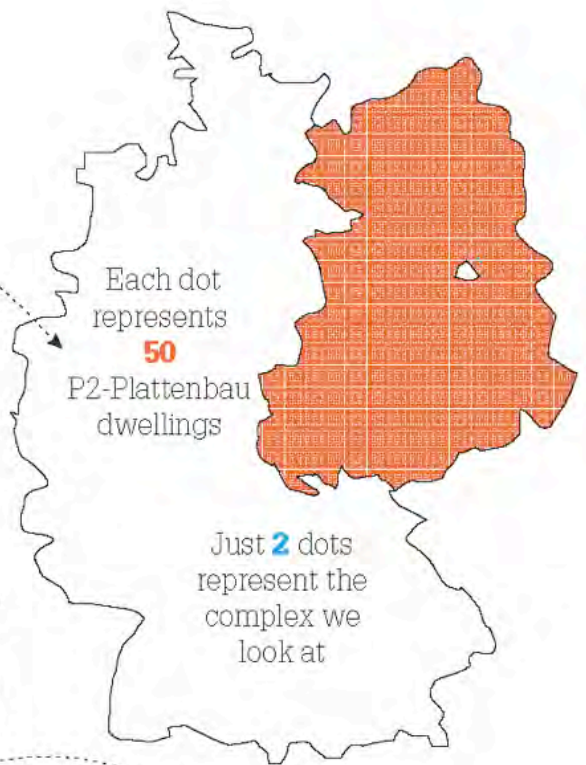
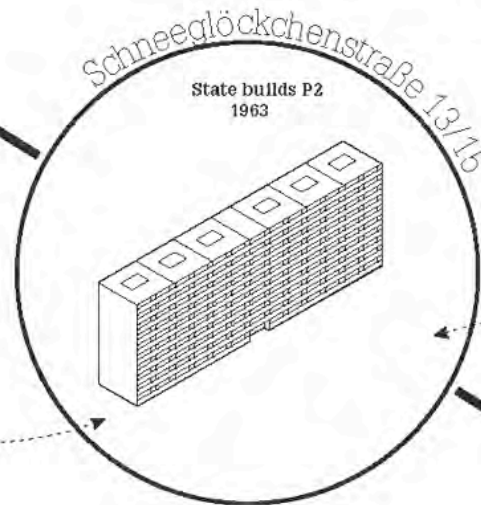
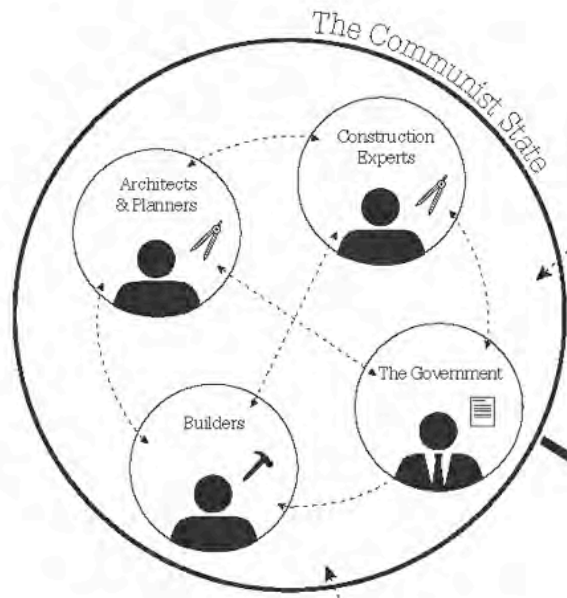


**Welcome!**



What's on the other side?

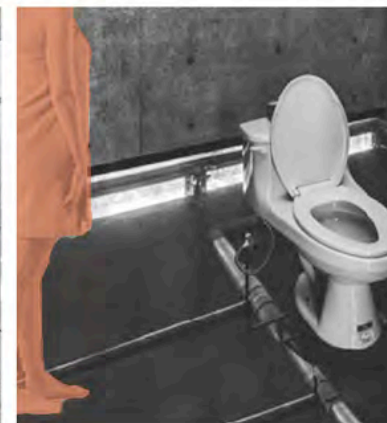
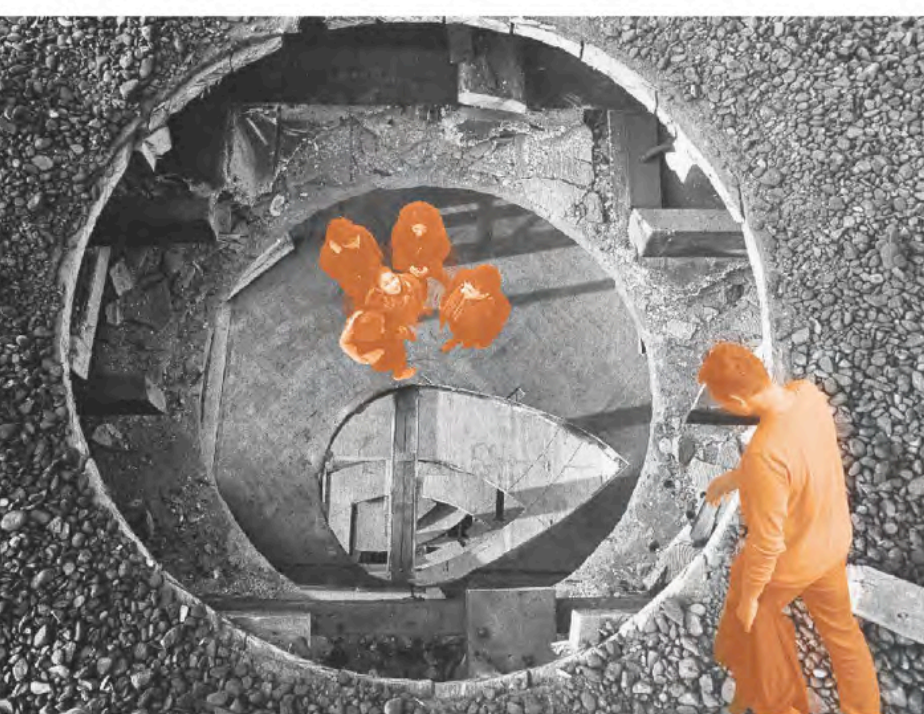


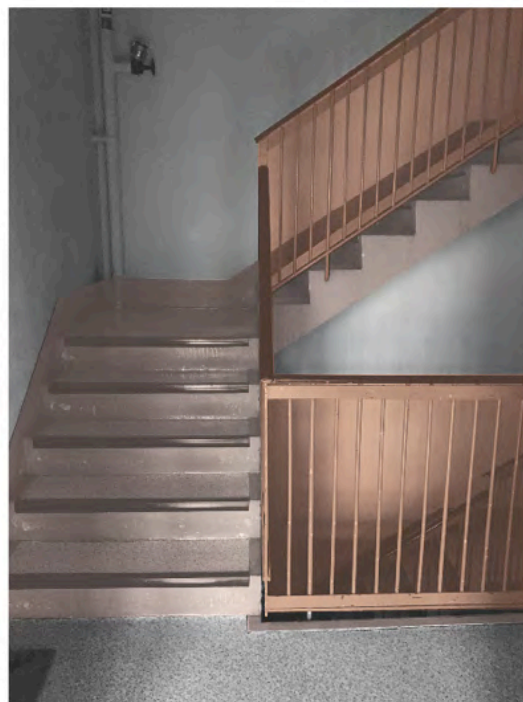
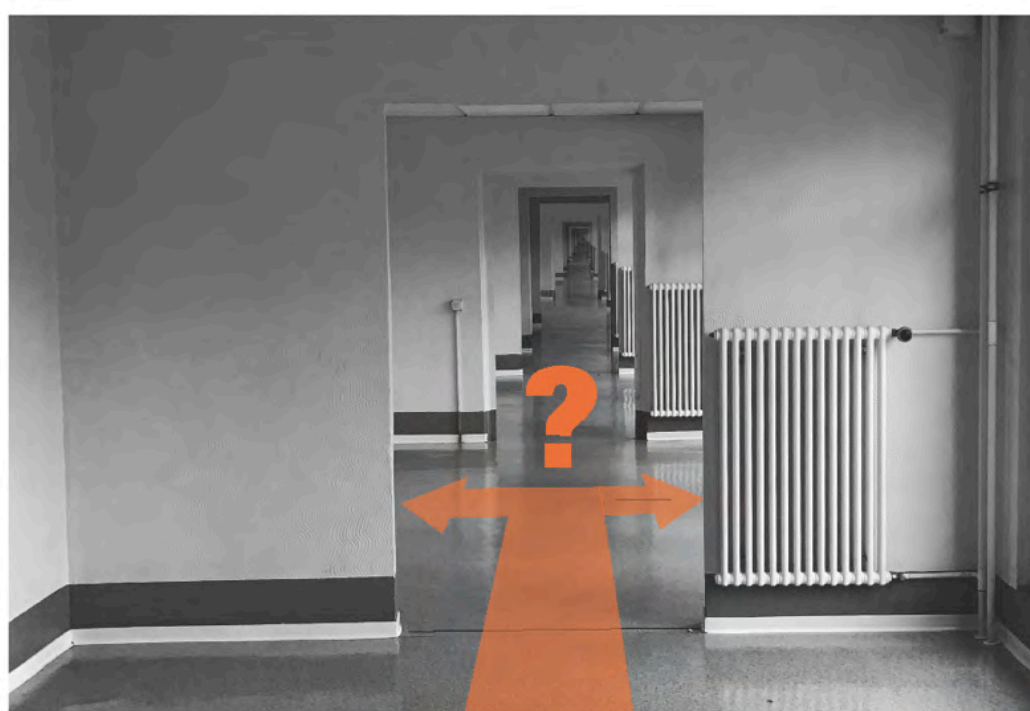


The Communist State

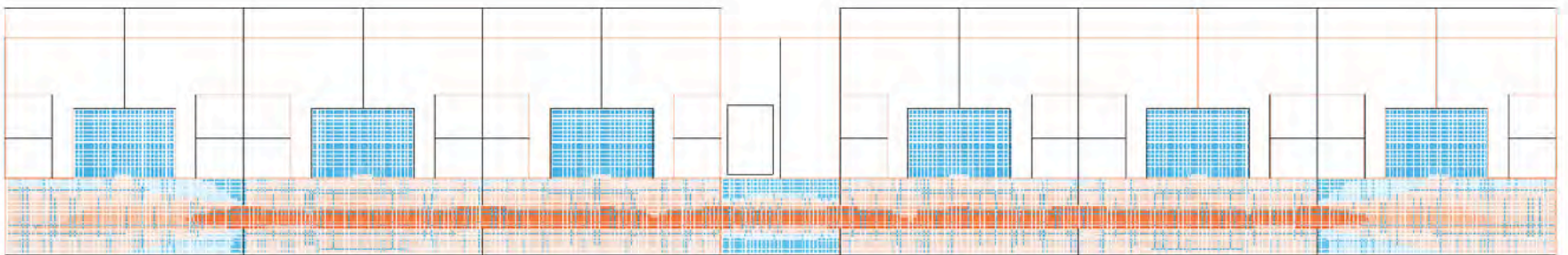
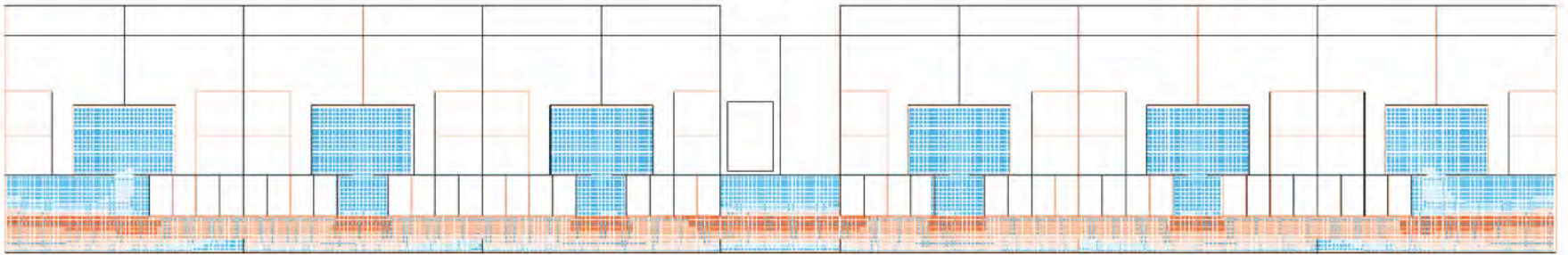
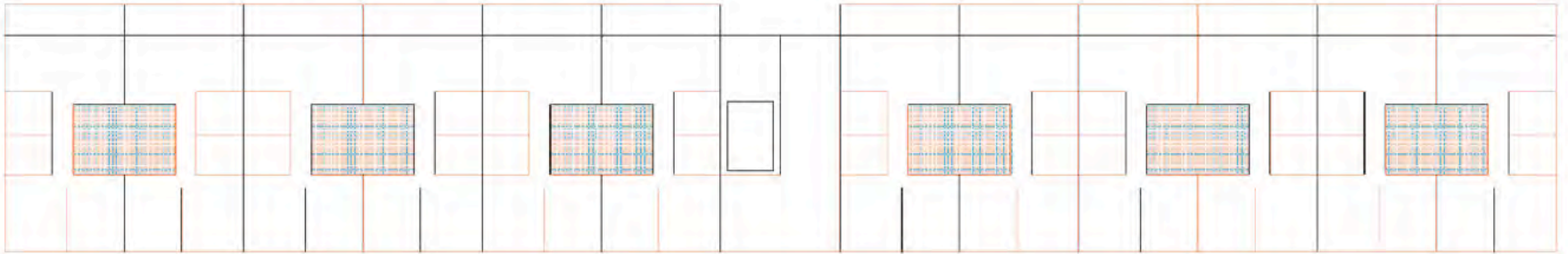
Schneeglöckchenstraße 13/15

Inhabitants



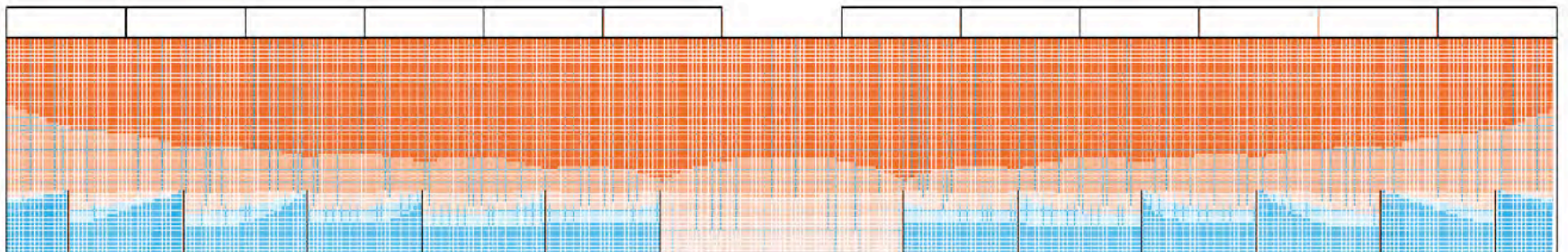
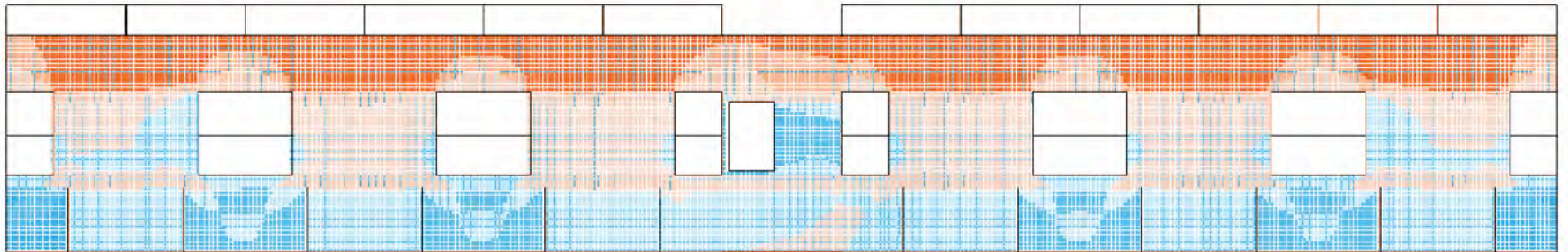
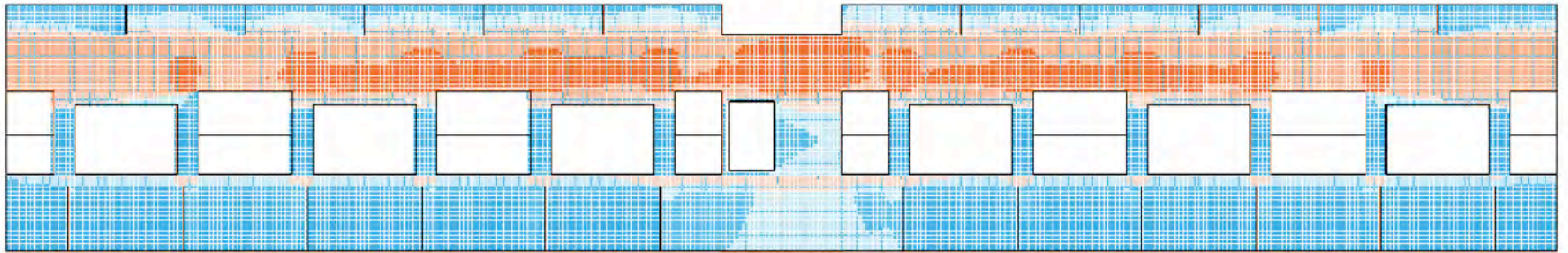


# View analyses of existing floor plans



**Sharing by visibility**

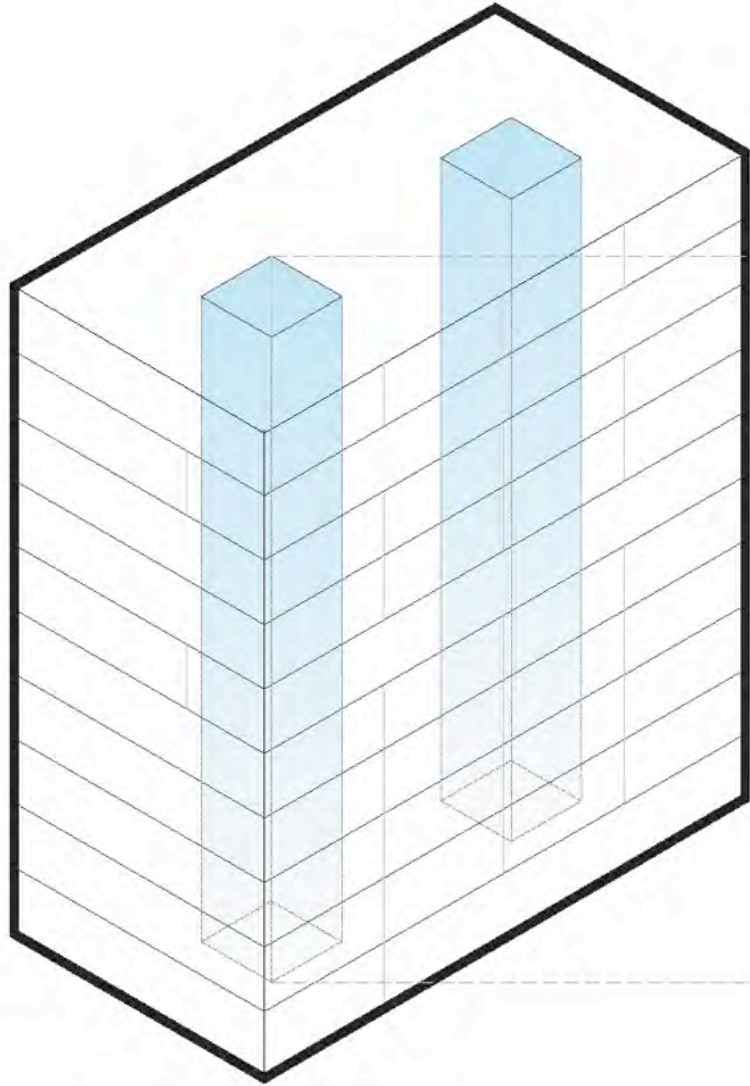
## View analyses of speculative floor plans



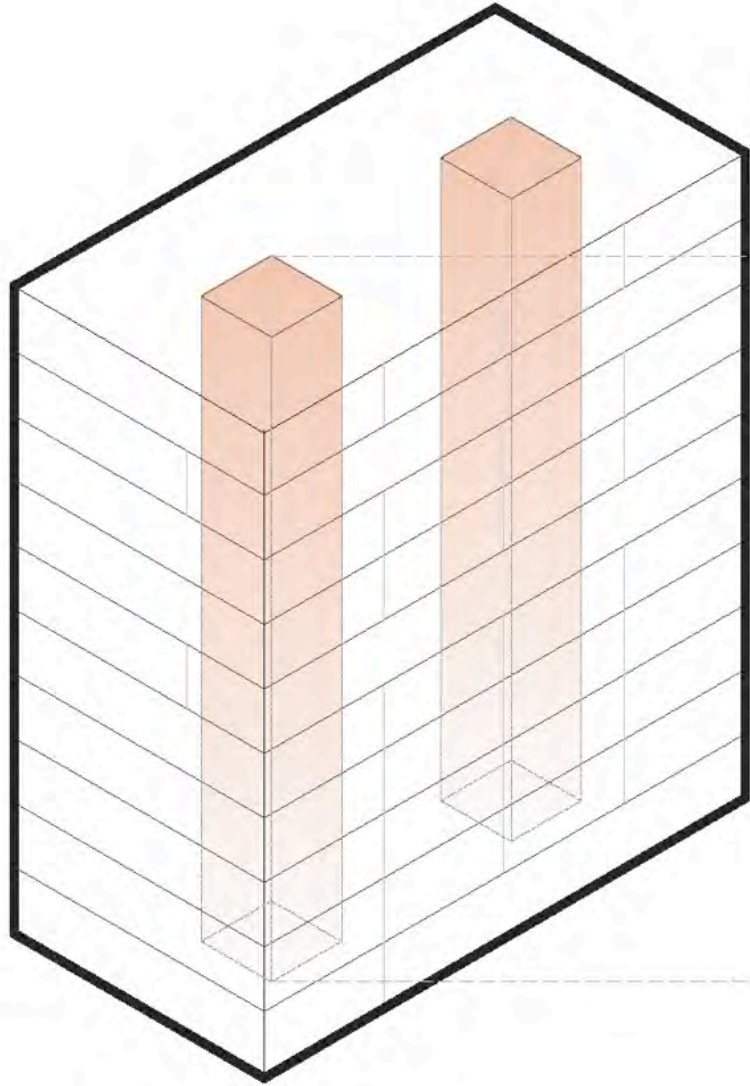


**2017**

Elisa is afraid of using the dark stairs at night.

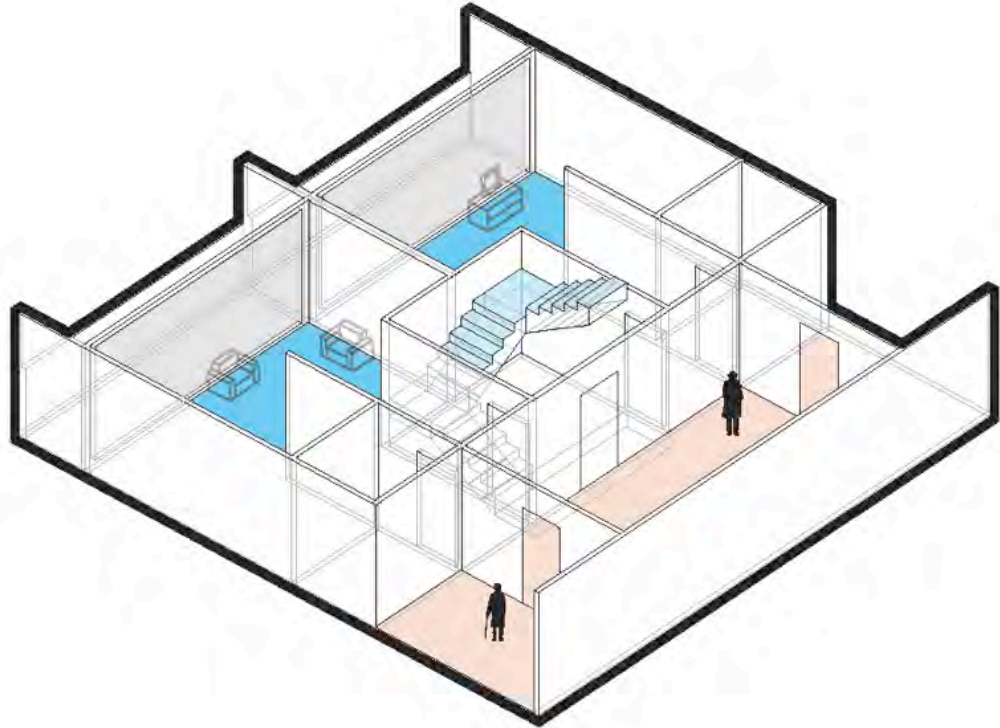


**What if all stairs are made  
of glass?**

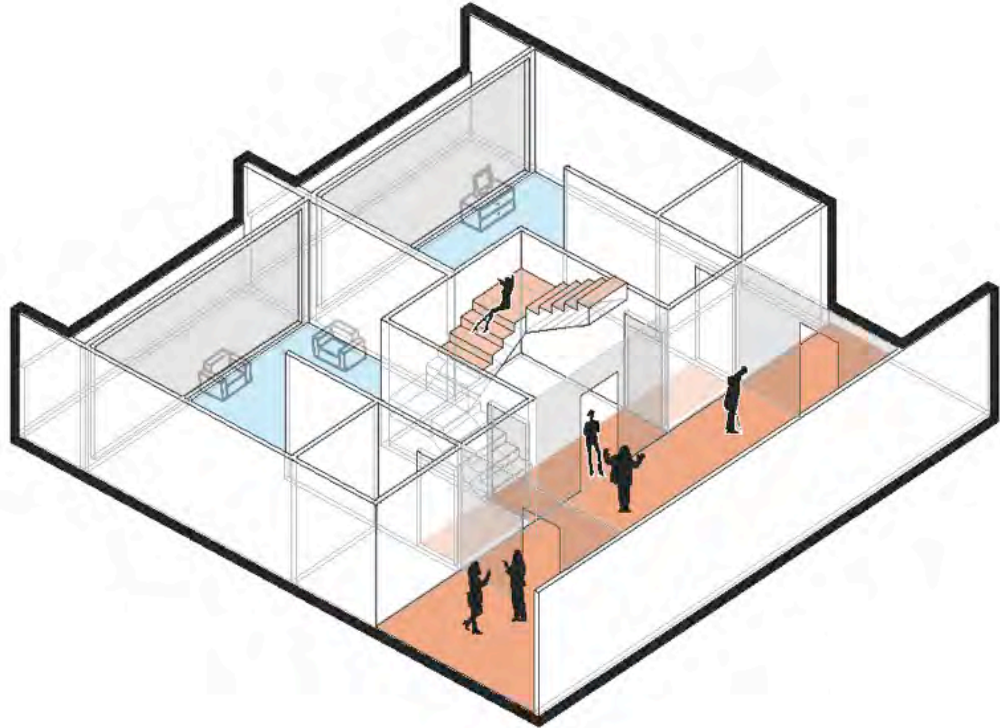


**2018**

After a party, Tom wants to see who's at home to hang out with.



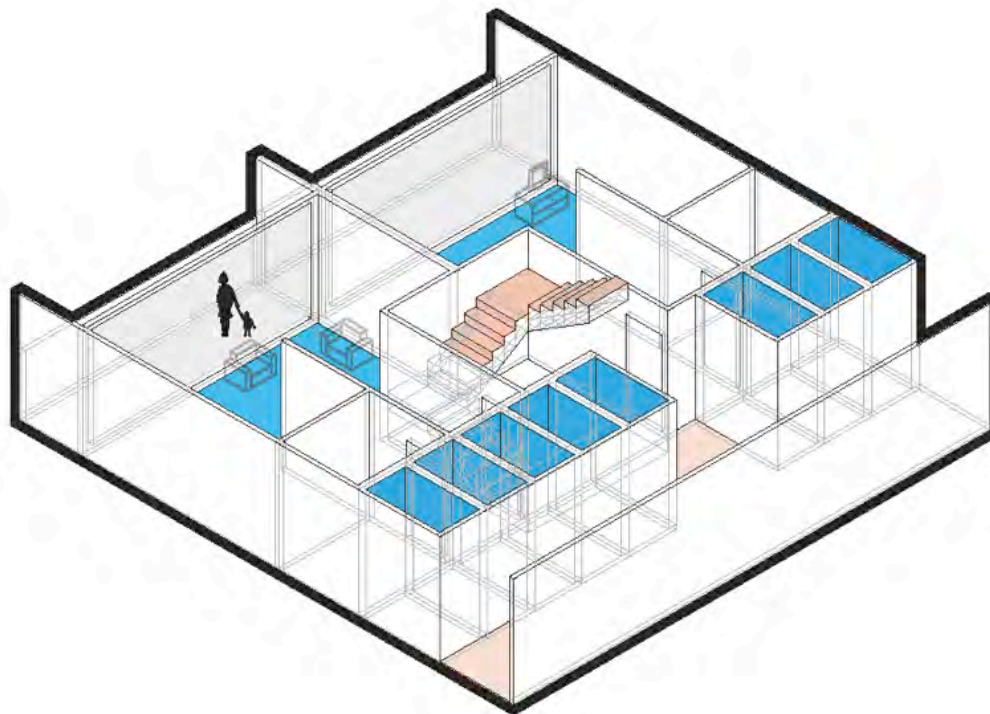
**What if there are no doors?**



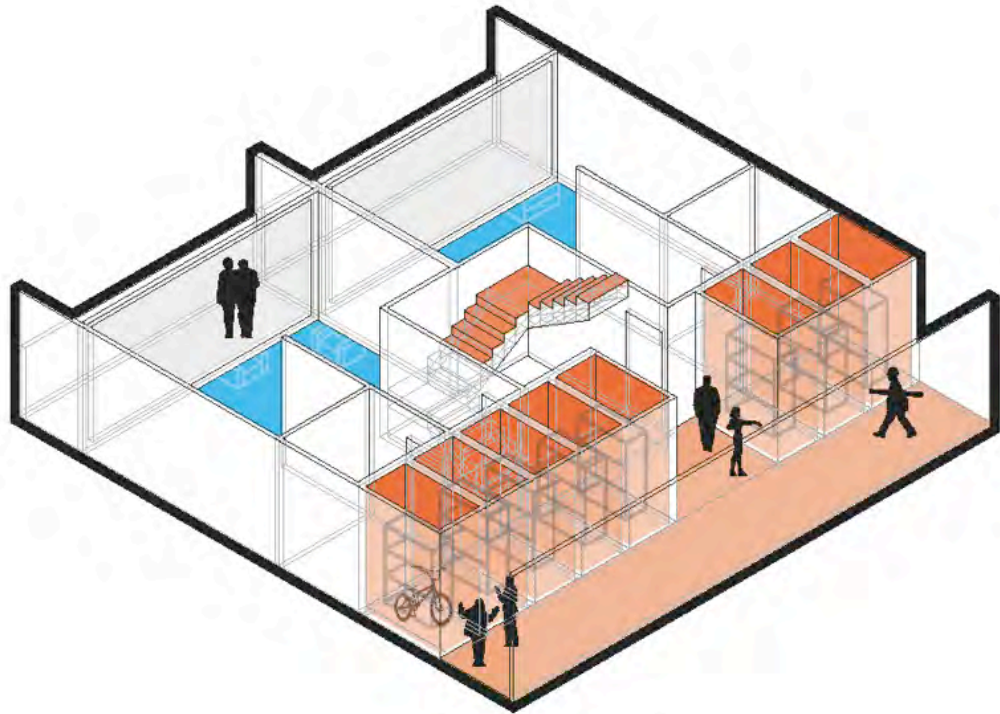


**2019**

Elisa's bicycle has been stolen, so she wants to know which neighbours have an unused one in their storage.

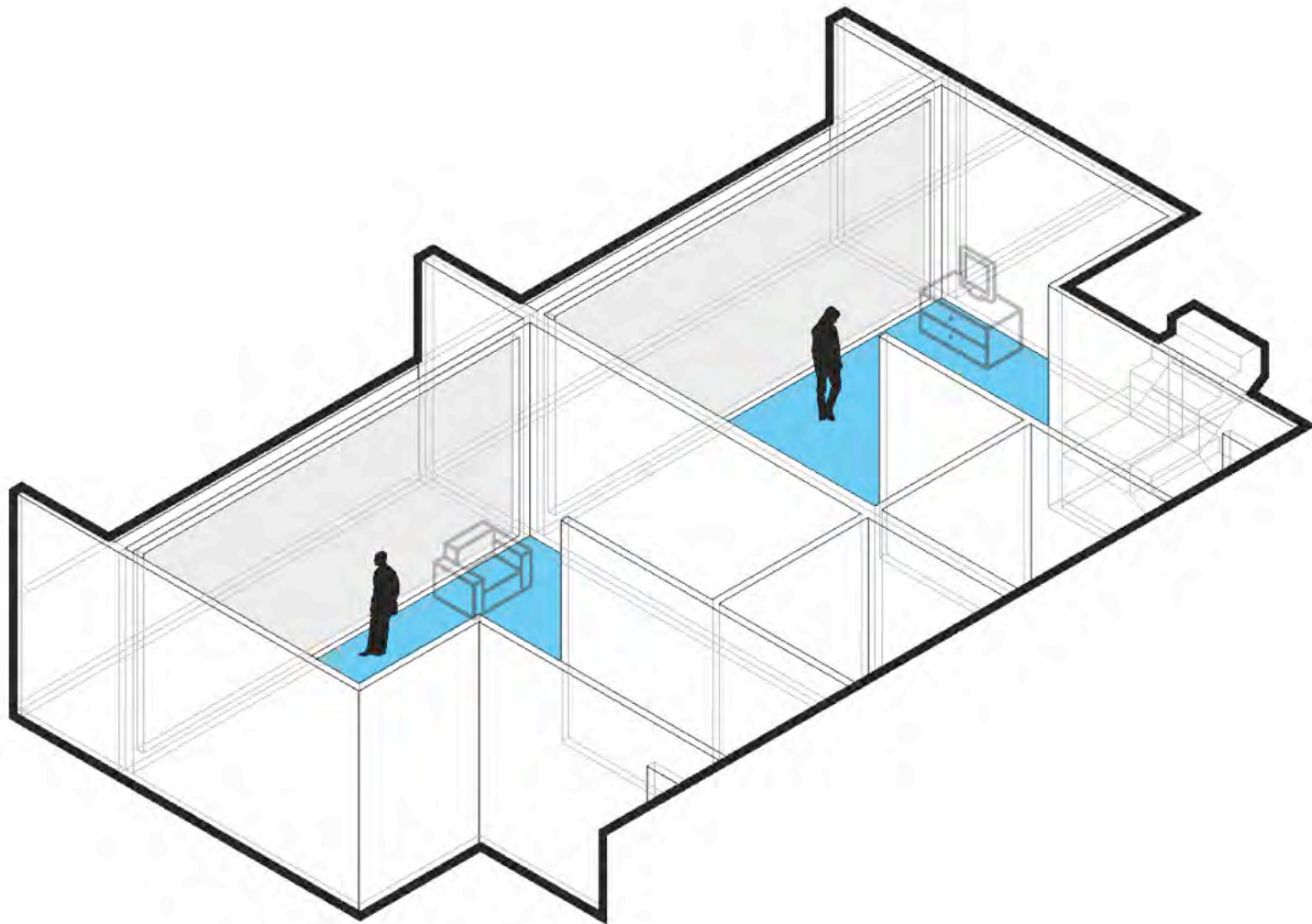


**What if all storage is see-through?**

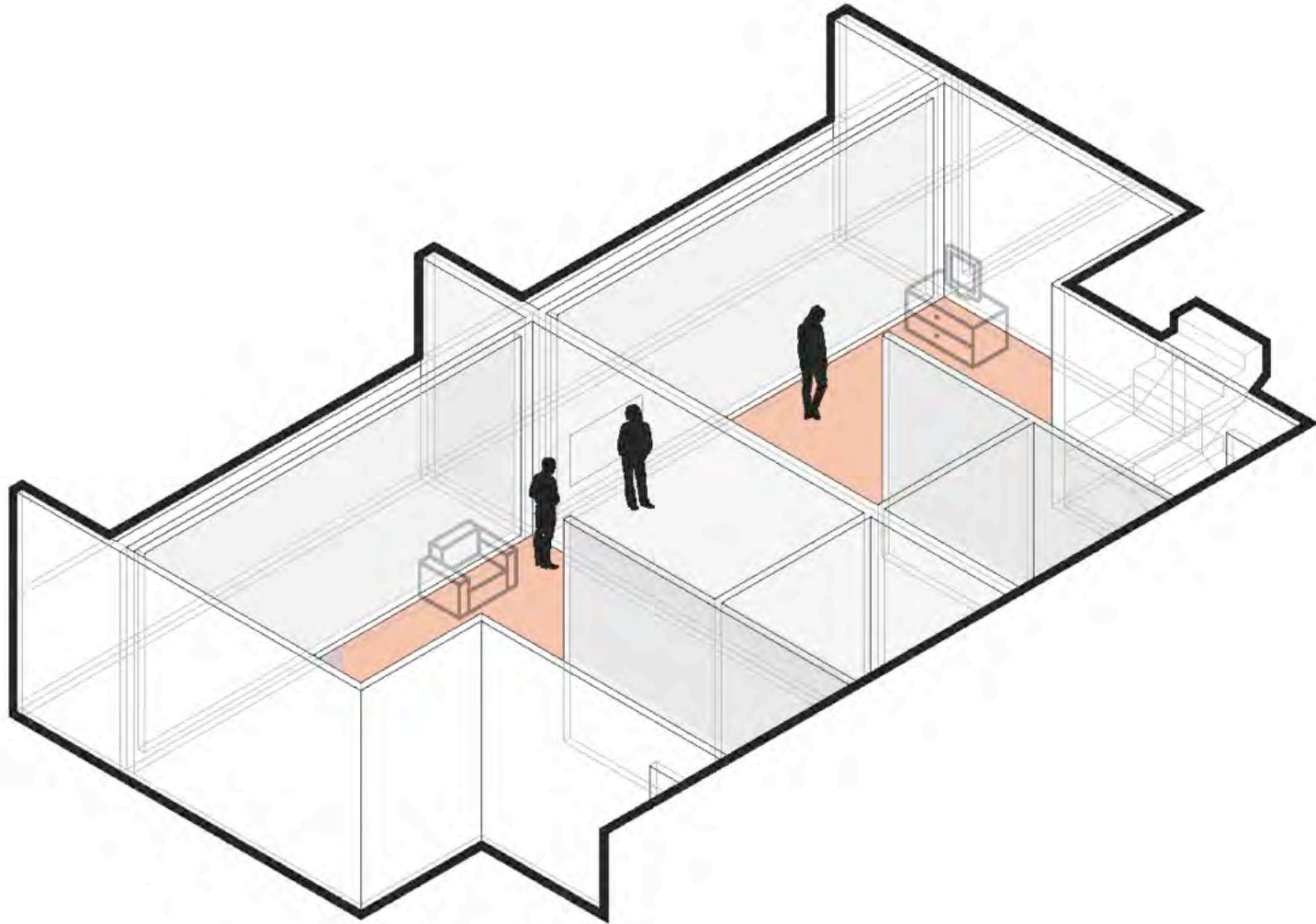


**2020**

The granny on the first floor doesn't want help but she would like someone to see if she's safe at home.



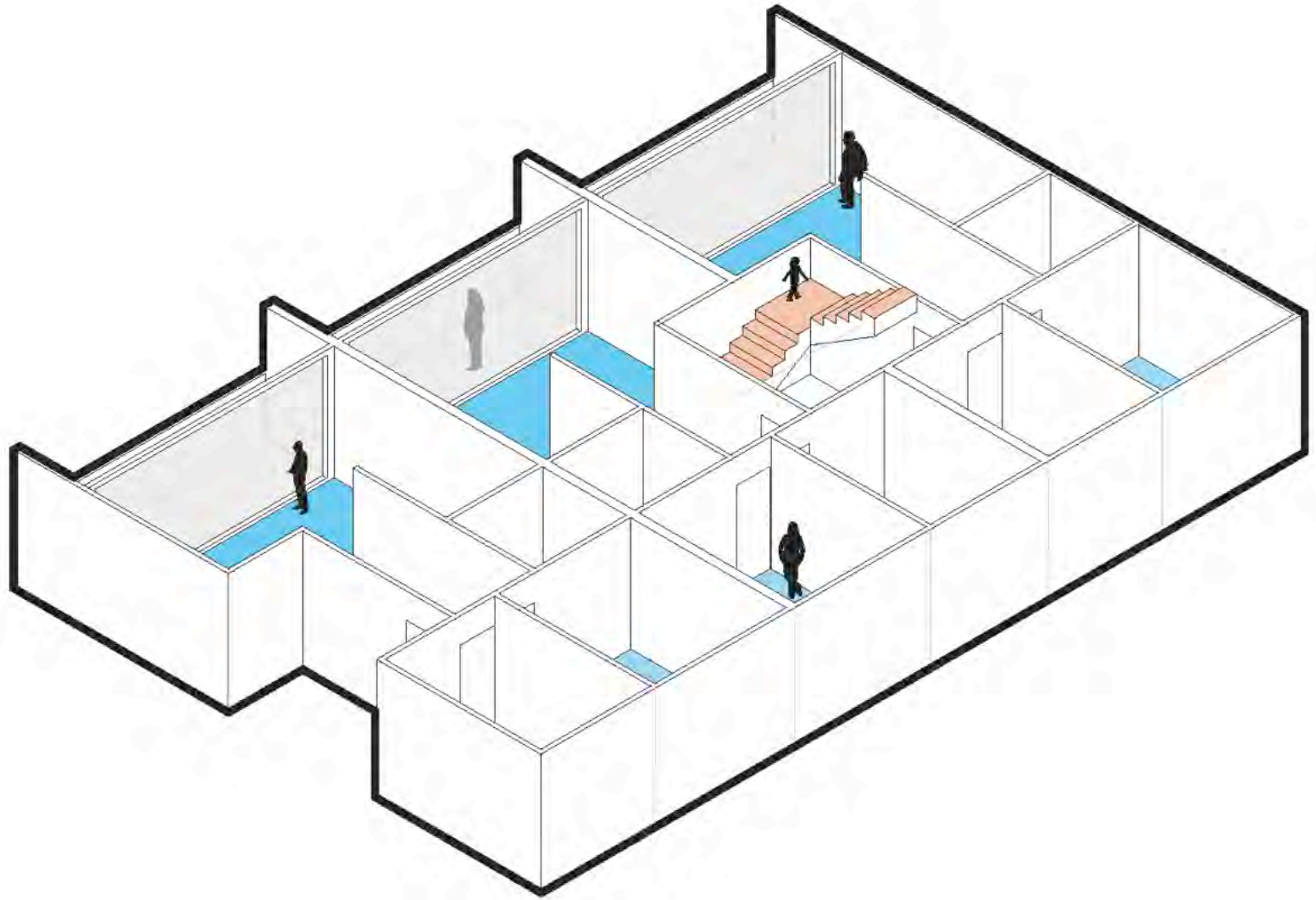
**What if all living rooms and  
kitchens are transparent?**



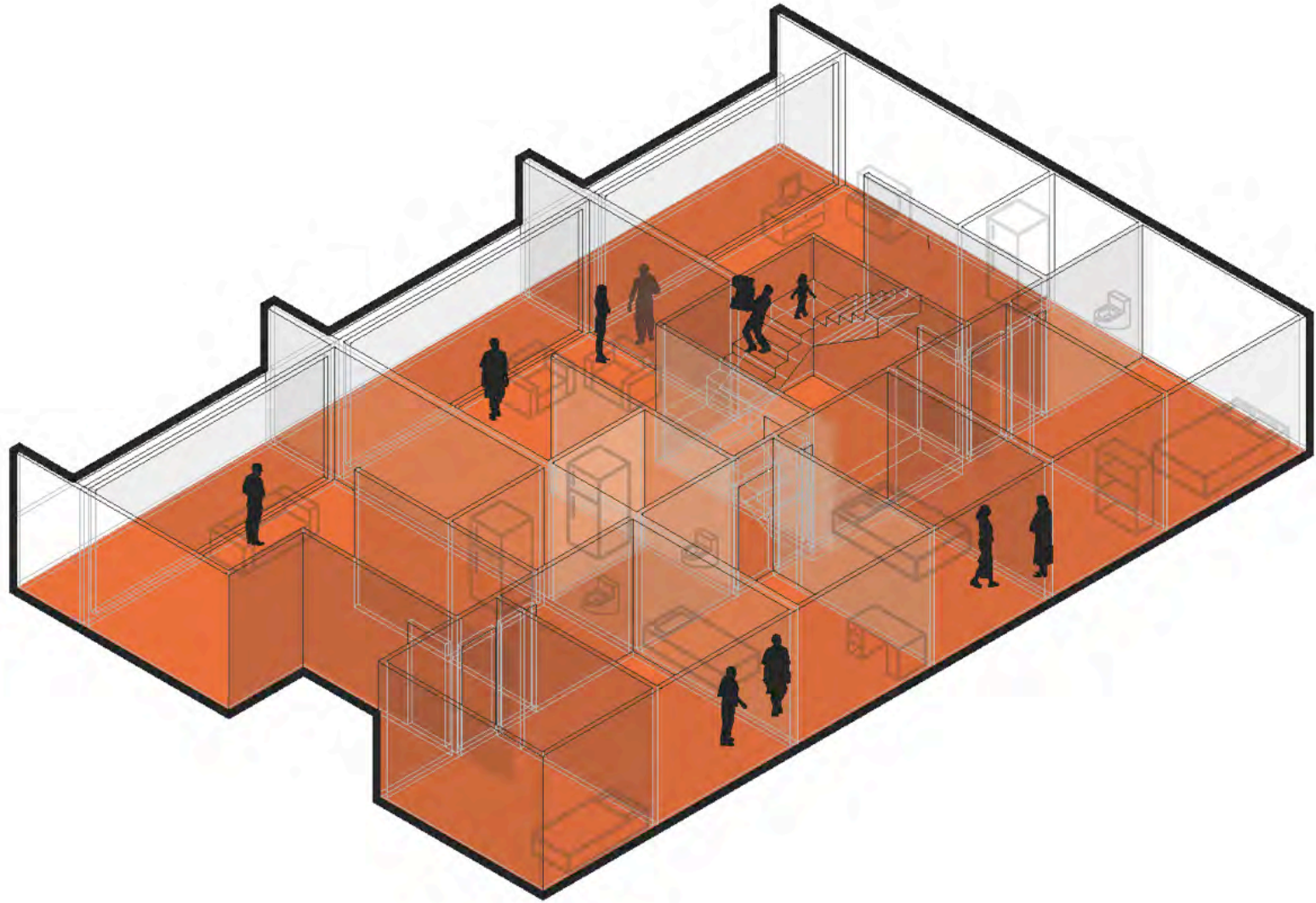


**2021**

Tom and Elisa are cooking at the same time in different kitchens. Tom doesn't like to have lunch alone.

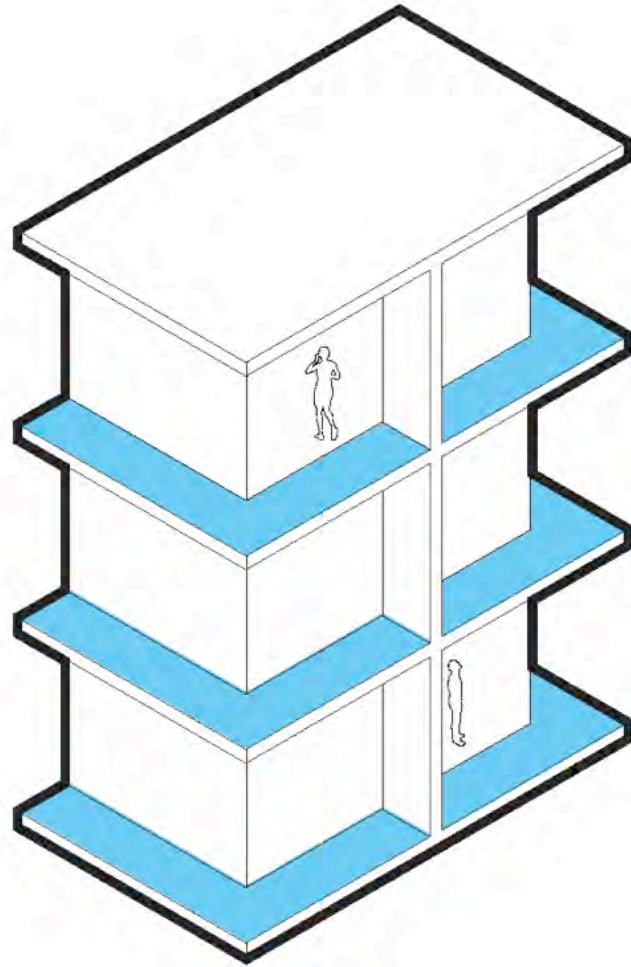




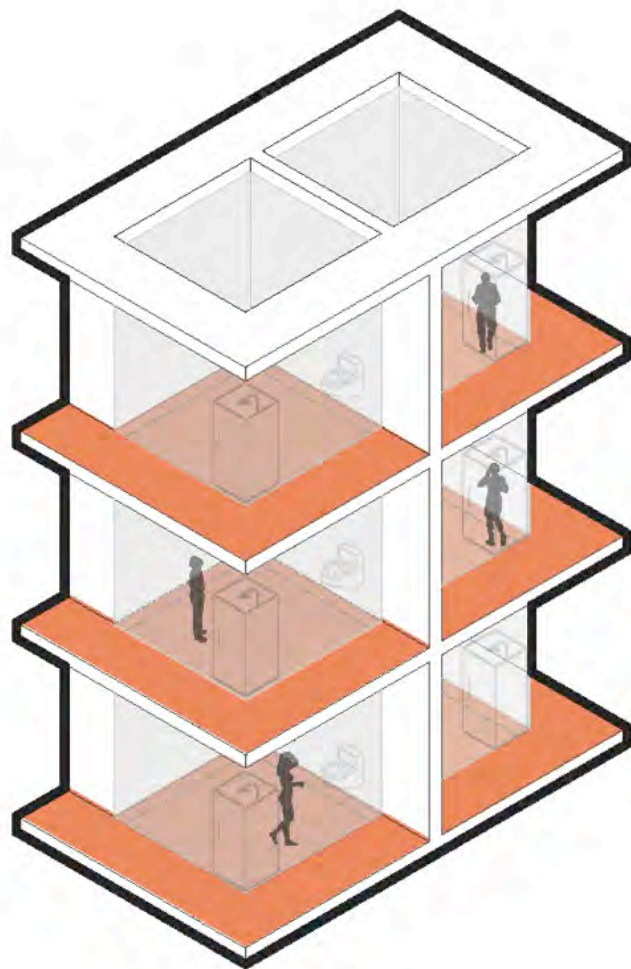


**2022**

Mark always falls asleep in the WC when he is drunk, he needs supervision.



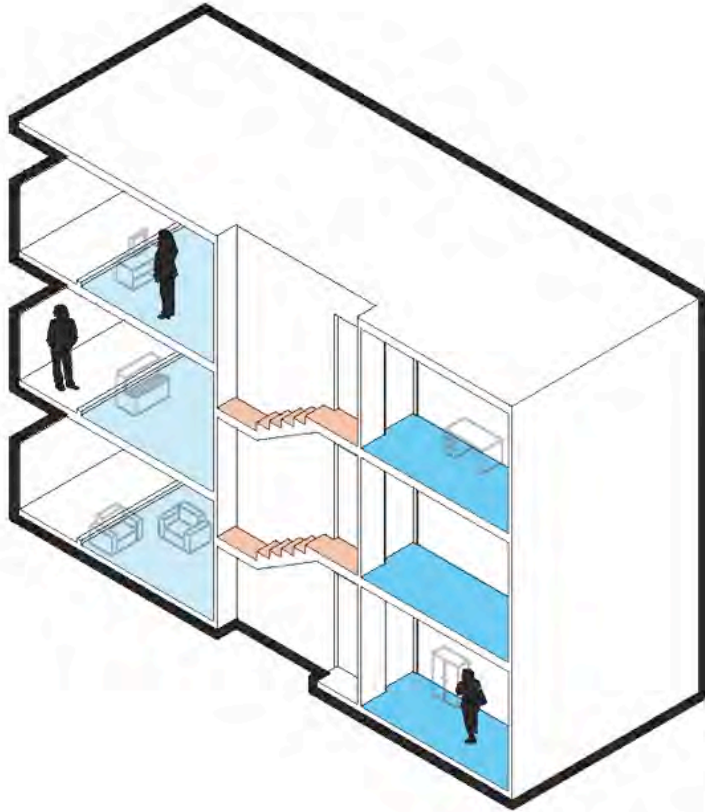
**What if all bathrooms are  
transparent?**



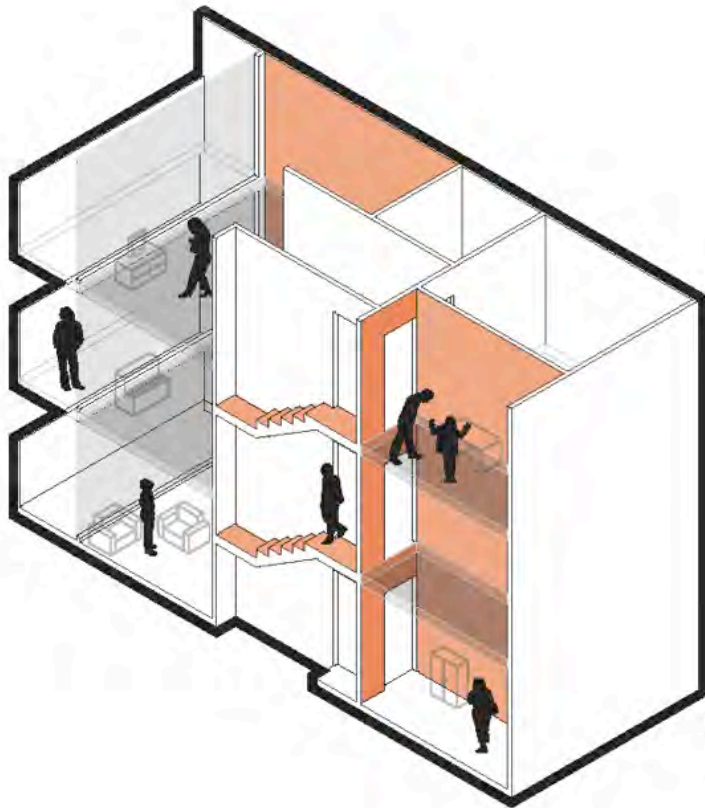


**2023**

Mark likes seeing the sky, but it's very cold.

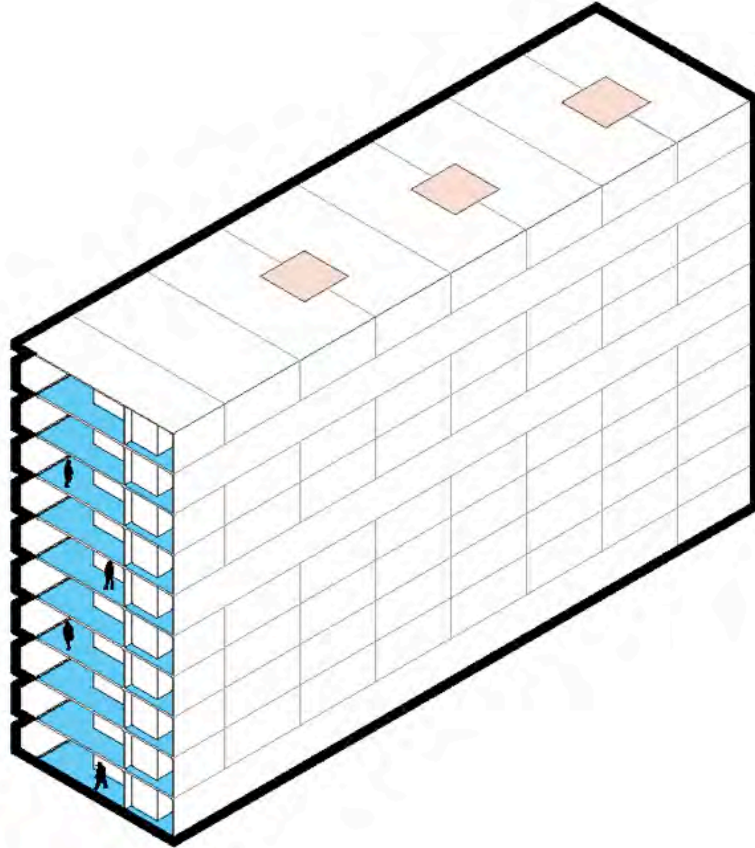


**What if all floors are see-through?**

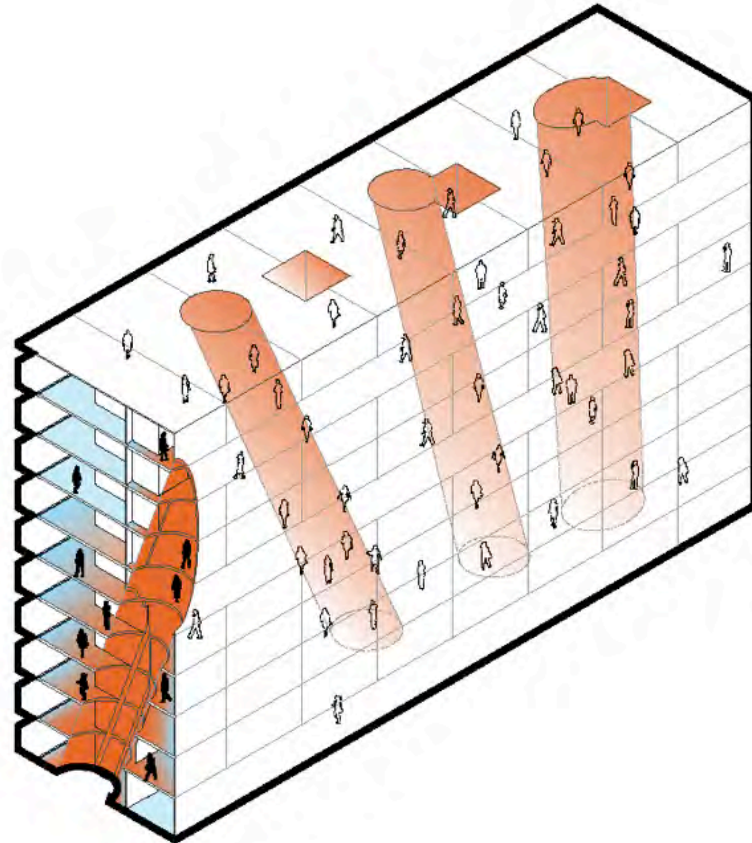


**2024**

Nour's room is too dark to draw.  
And Elisa is cold and she misses  
the sun.



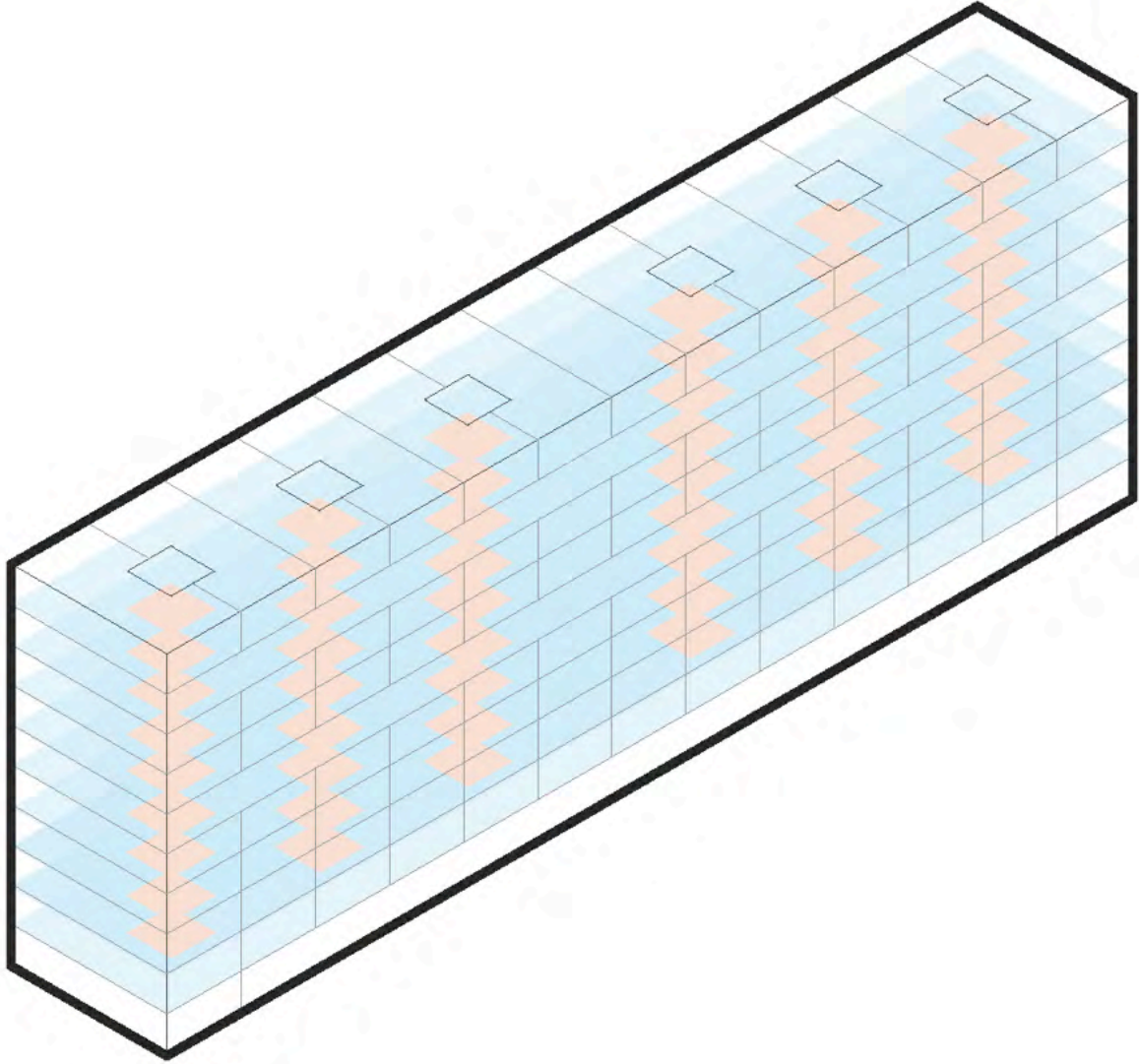
**What if the sun pierces the  
entire building once a day?**



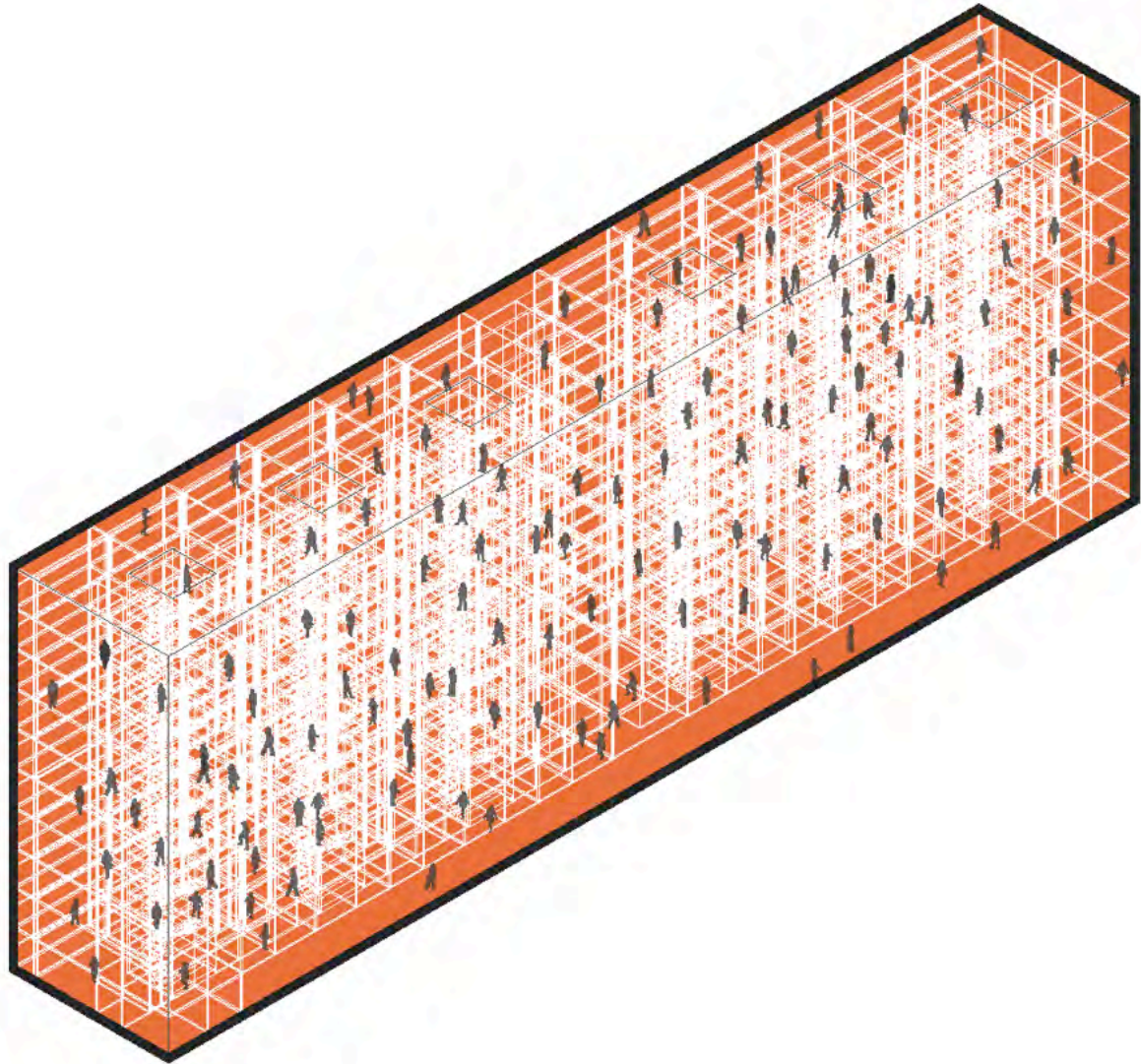


**2025**

The residents throw a big New Year's Party and want to look at the fireworks together.



**What if everything is  
transparent?**



2

# Sharing by EXPRESSION

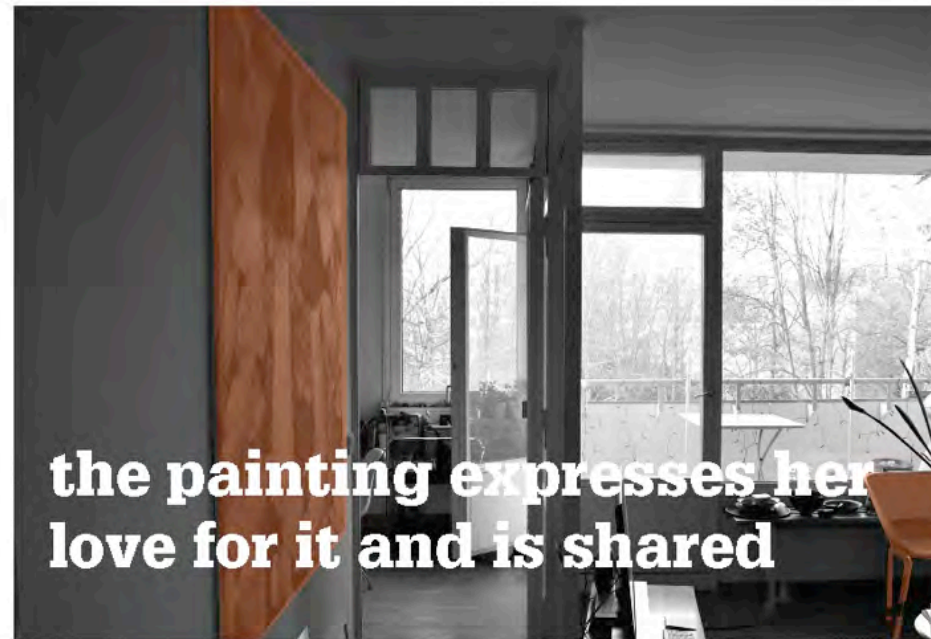
IBA '57: Alvar Aalto



**two peoples love for decorative porcelain is on display in the shelf**



**the balcony turned into a shrine by the old couple**



**the painting expresses her love for it and is shared**



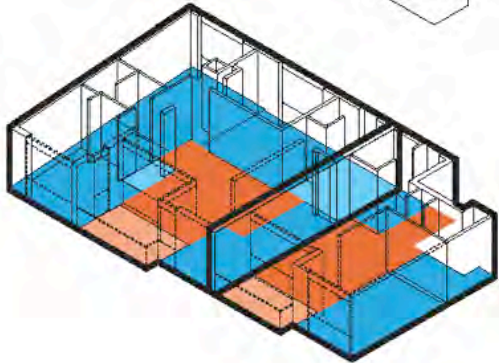
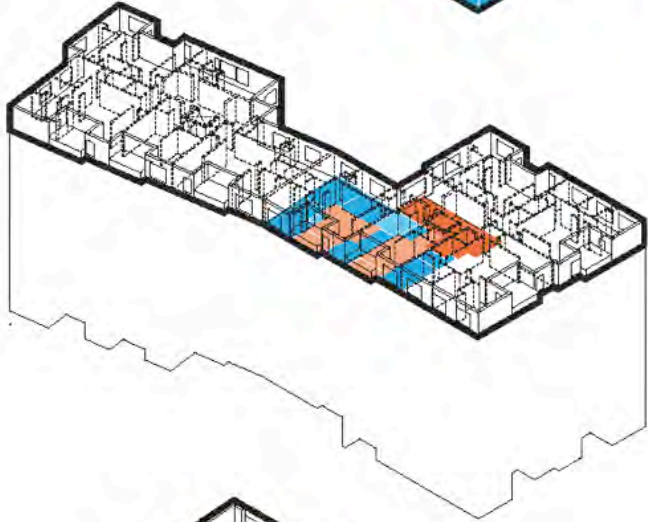
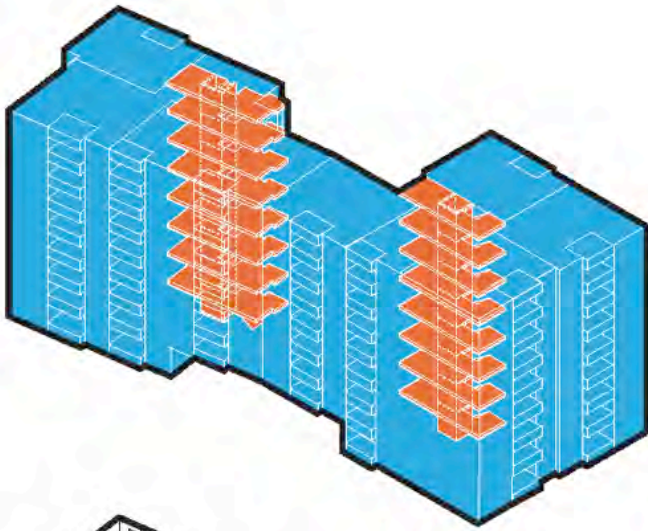
**the family's four members  
share the shelves for  
displaying their individual  
collections of music**



**the benches are waiting  
for someone to express  
themselves on them**

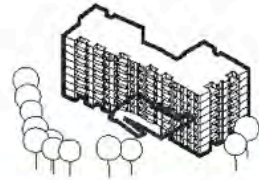
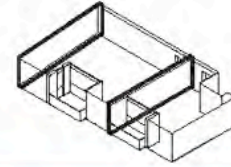
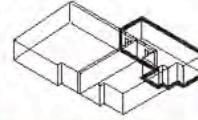


**Aalto expressing himself**



**SCALES OF SHARING**

**ELEMENTS OF SHARING**



**visibility**



**entrance**



**walls & floors**





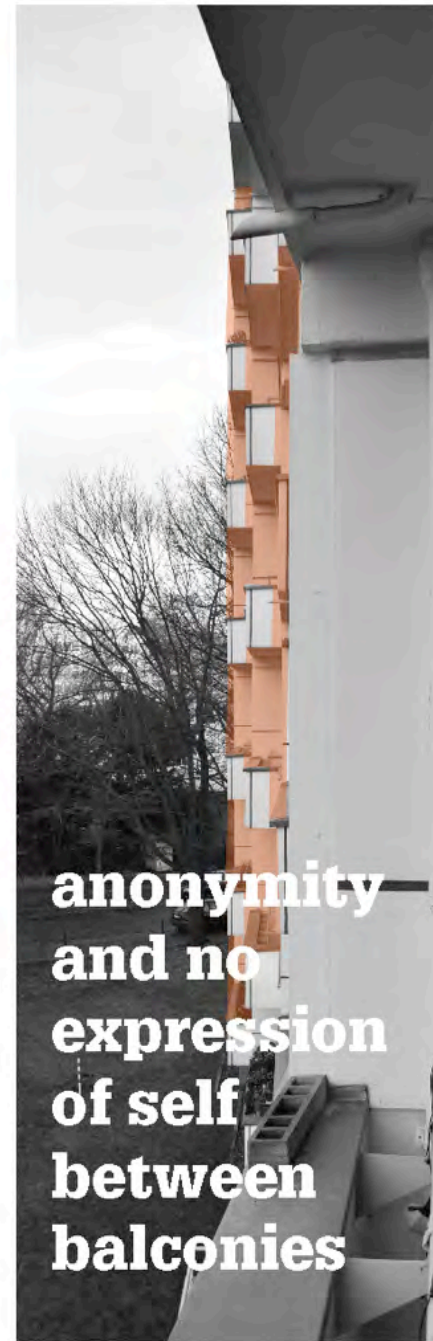

**little expression to be found on any of the seven floors**



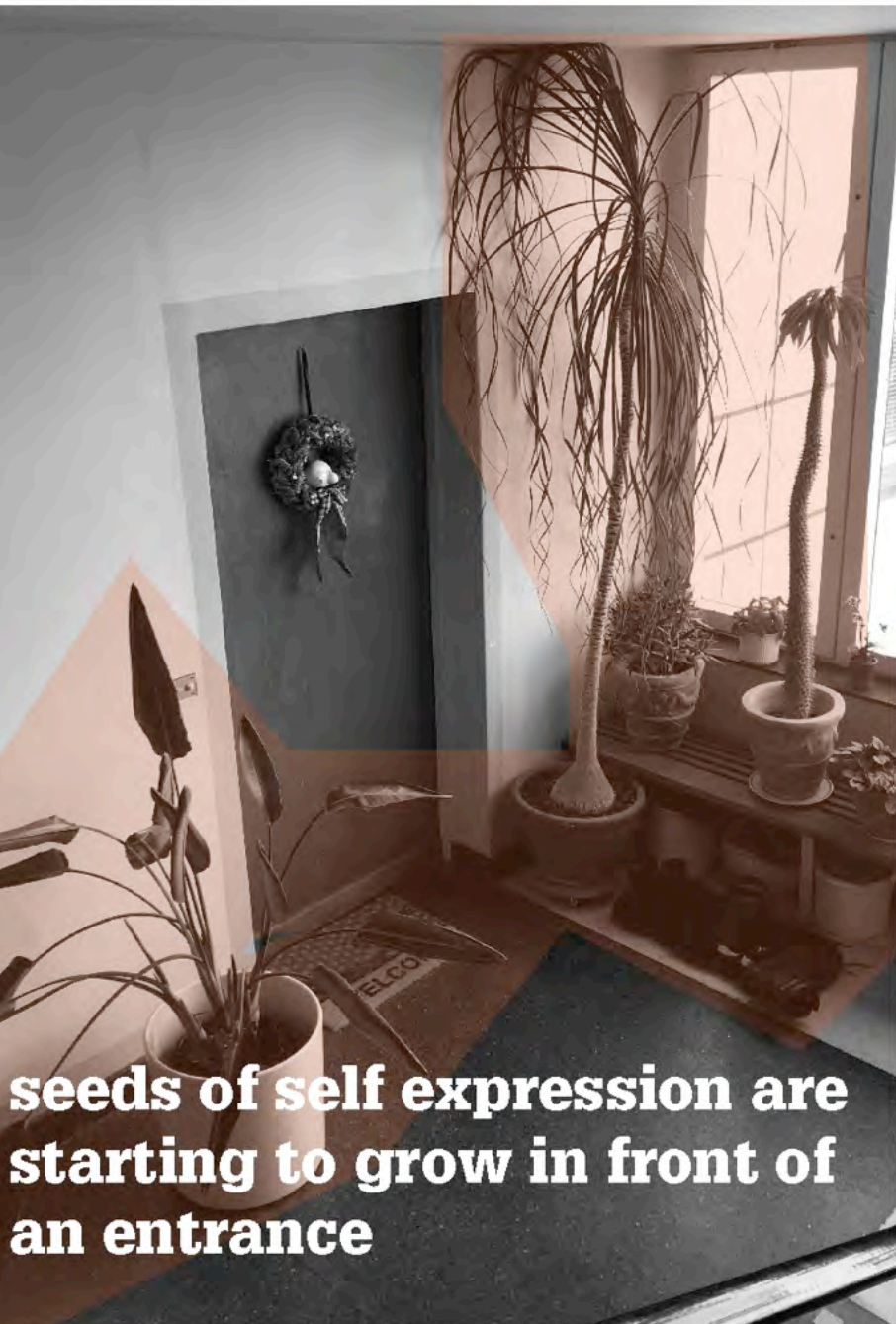
**the view extends through  
four connected spaces**



**the glass  
wall allows  
for visual  
connections  
of sharing**



**anonymity  
and no  
expression  
of self  
between  
balconies**



**seeds of self expression are starting to grow in front of an entrance**



**there's a lack of expression around the entrances**

# **Sharing by Expression**



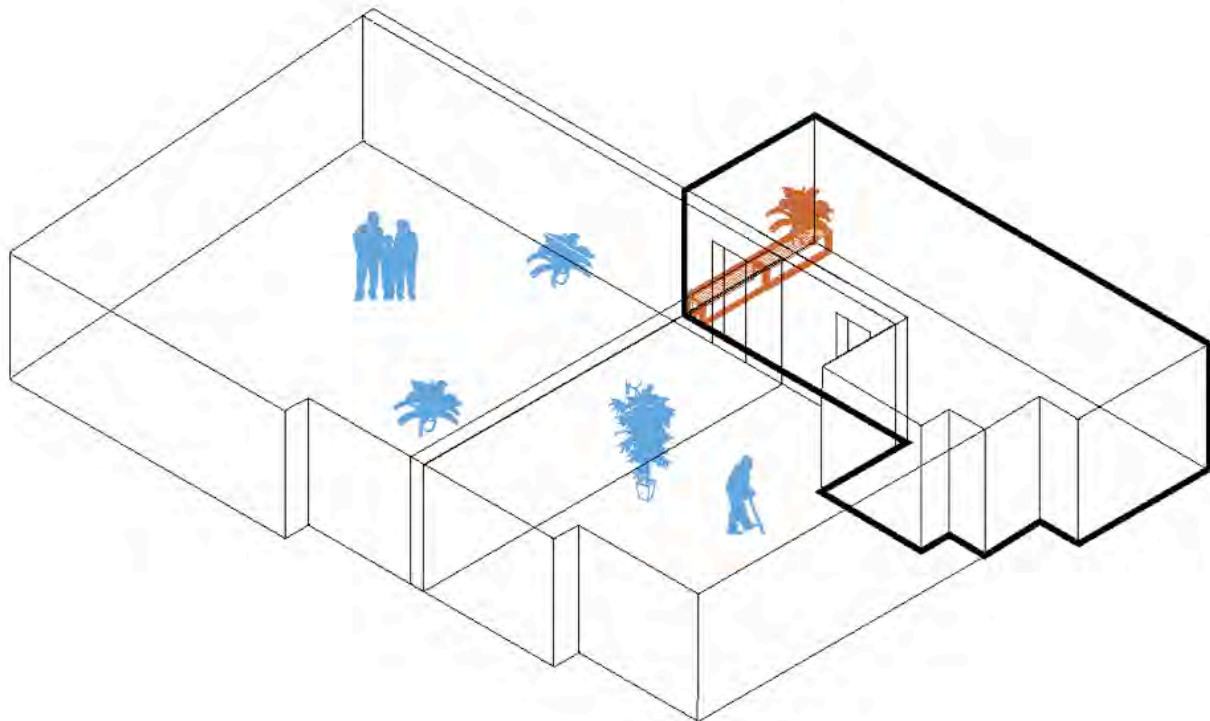
**Individual expression creates shared space**

**12:00 01 August 2017**

Hans is at home taking care of his sick wife

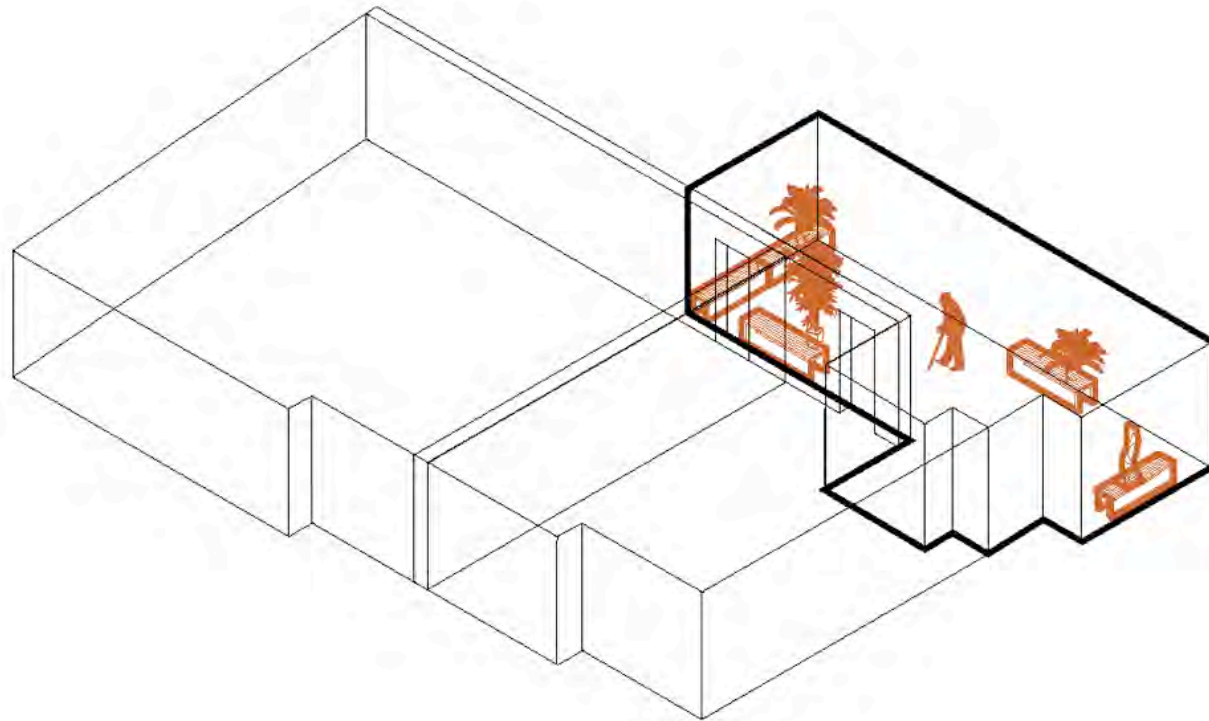
**meanwhile...**

The Mullers are on holiday and their plants are dying. Hans could help but he doesn't know it.



**What if the doorway  
displays the expression of  
the residents?**



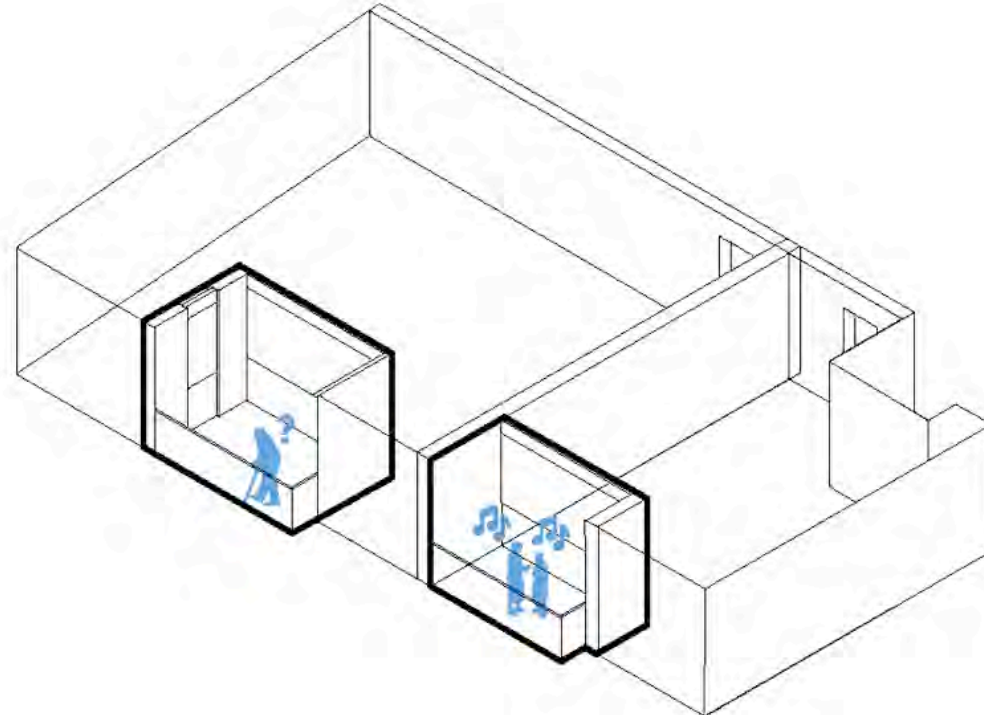


**16:00 20 August 2017**

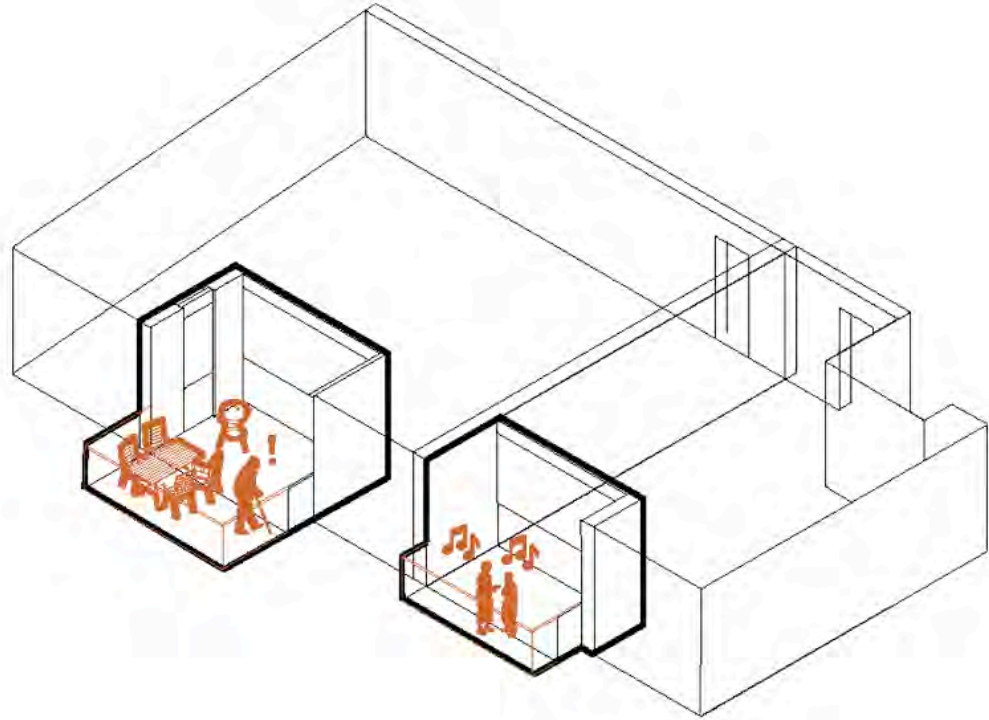
Hans hears his favourite song and peeps over his balcony but cant see where its coming from.

**meanwhile...**

The Muller children are dancing on the balcony .



**What if balconies could  
extend?**

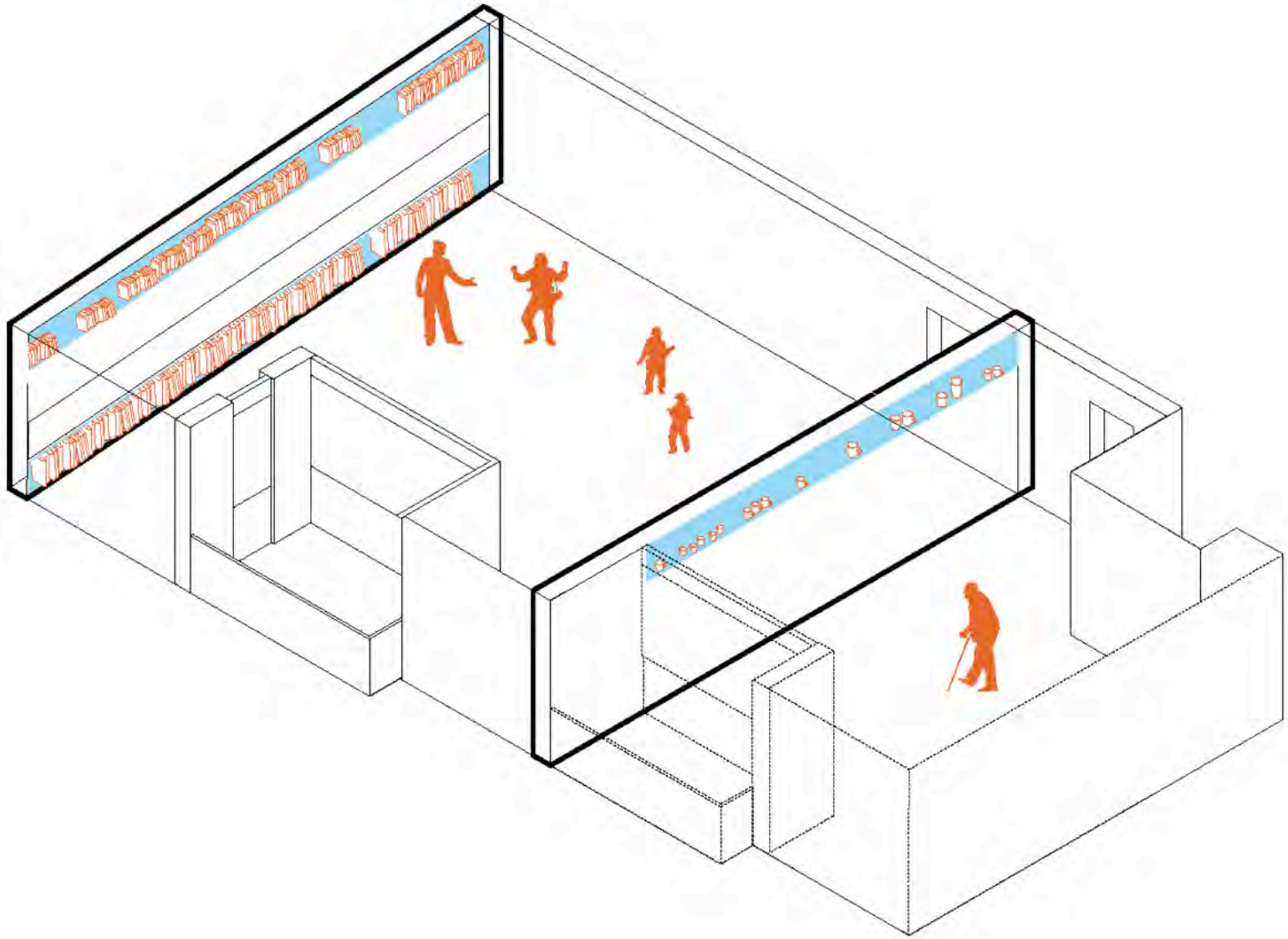


**16:00 20 August 2018**

Hans and his wife have tea using their favourite tea set collection.

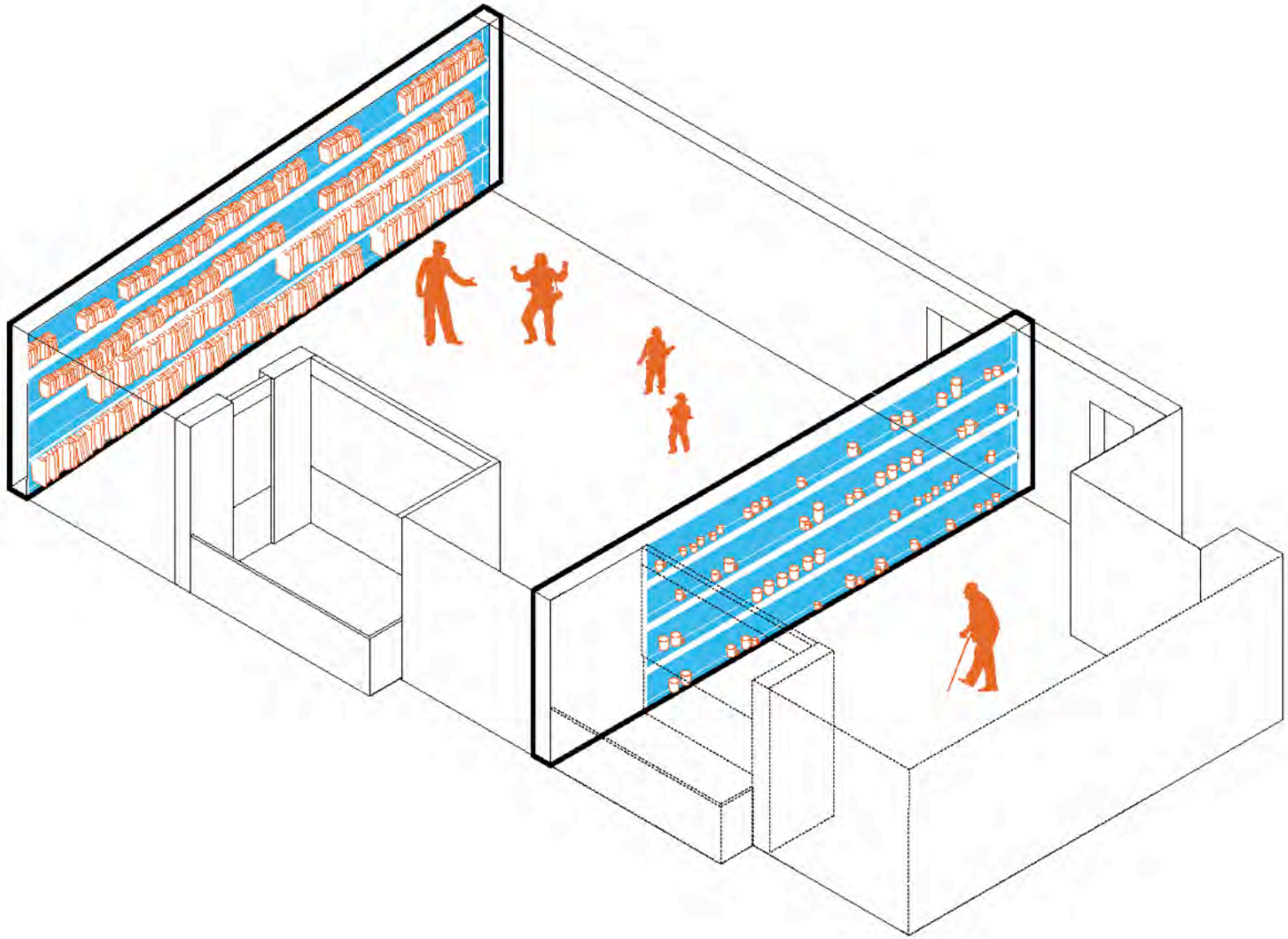
**meanwhile...**

The Muller family are listening to Elvis chosen from their vast record collection



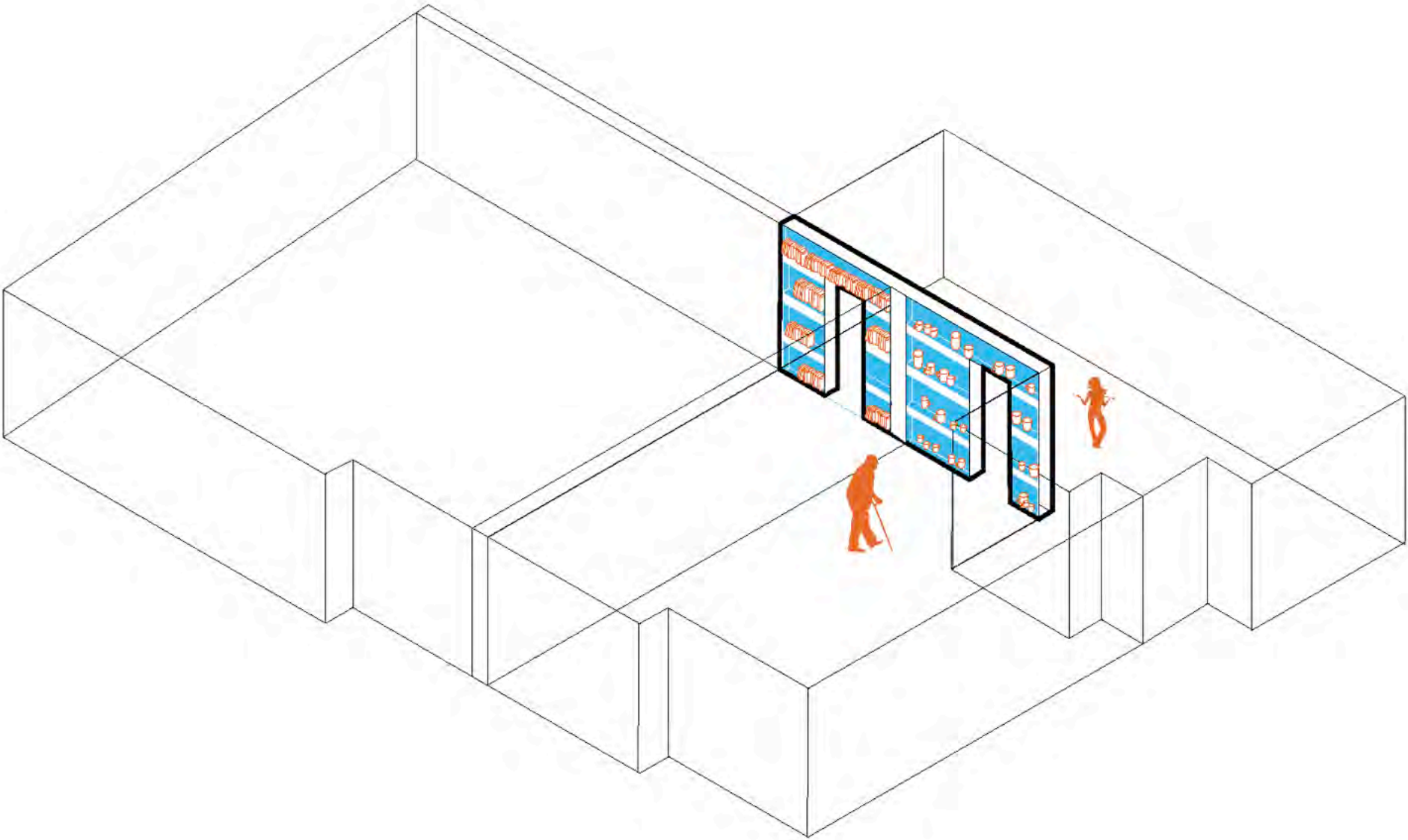
**What if apartment walls  
become shelves?**



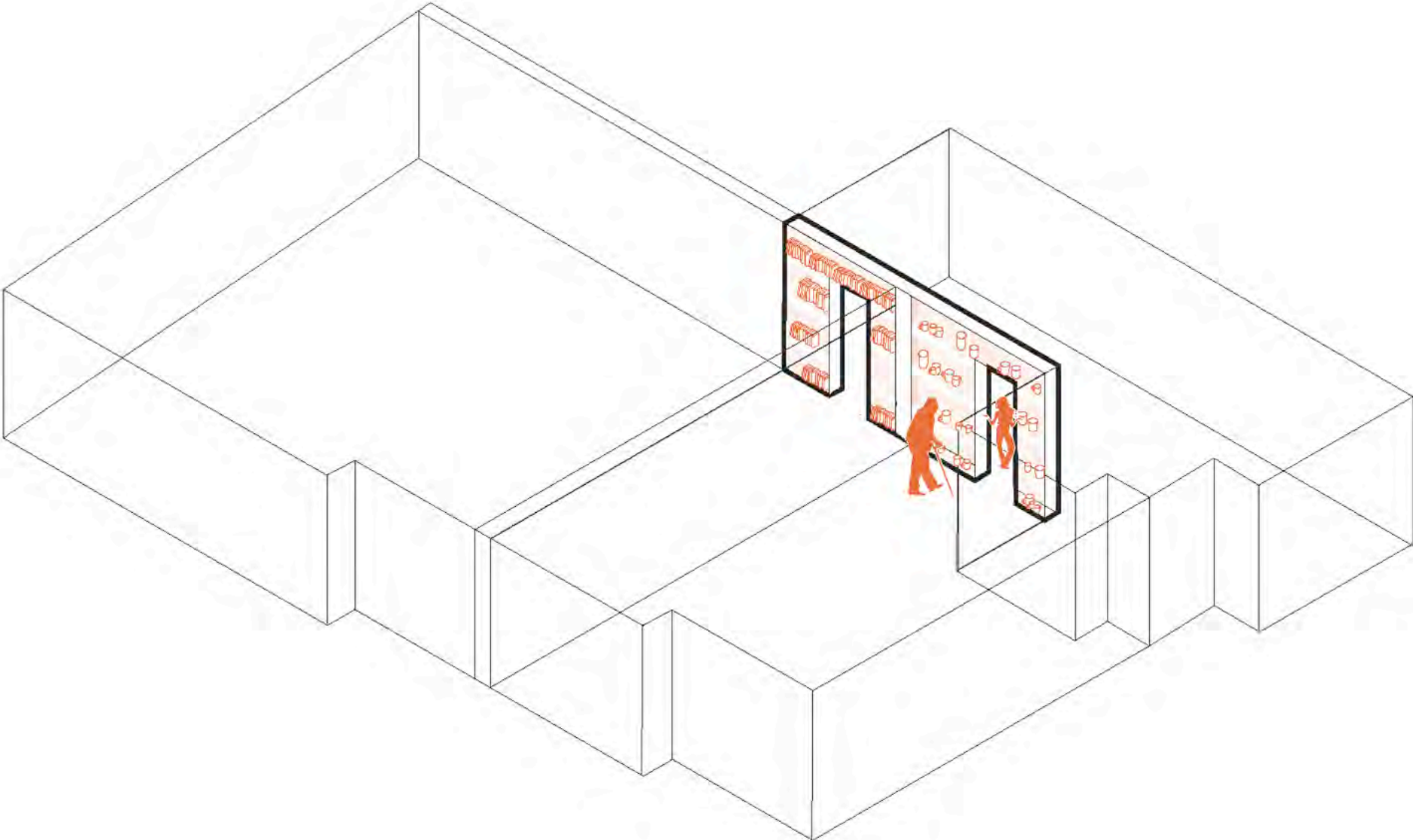


**16:00 20 August 2020**

Hans is airing out the apartment and his shiny tea set catches baby girl Mullers eye through the door, her inquisitive nature strikes up a conversation.

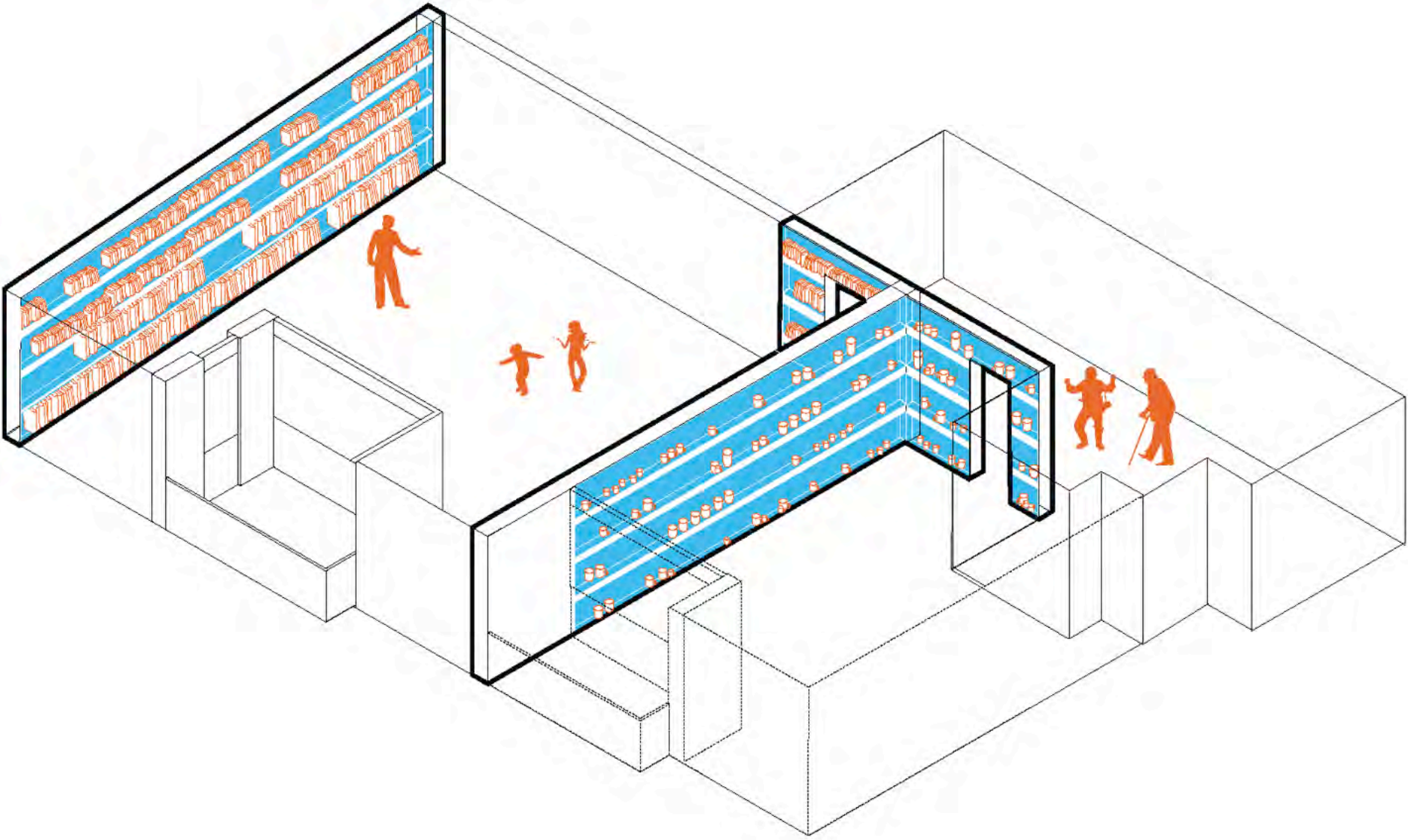






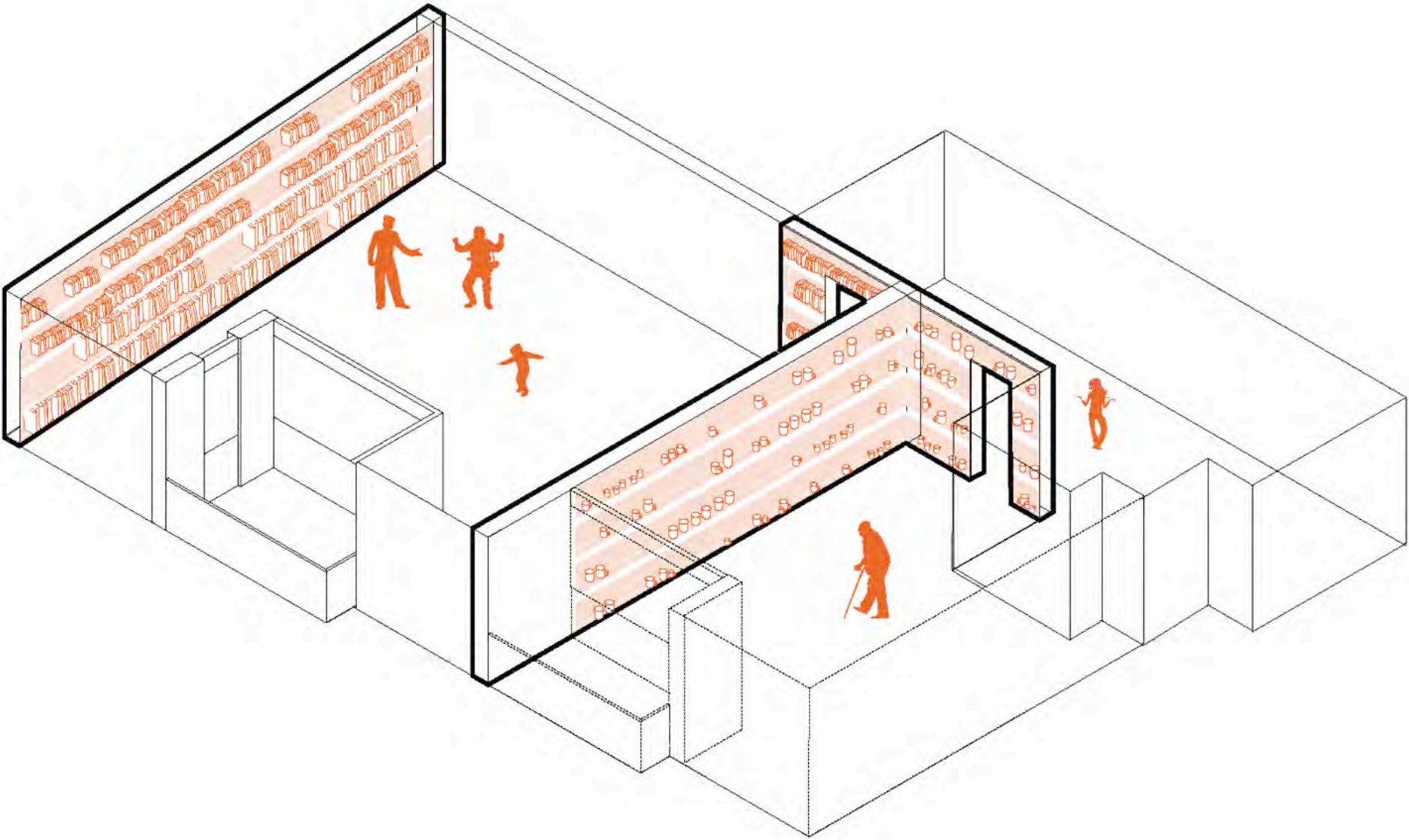
**16:00 20 August 2022**

Hans has grown some extra tomatoes in the corridor garden. He offers the Mullers some tomatoes, in return they invite him over for dinner.



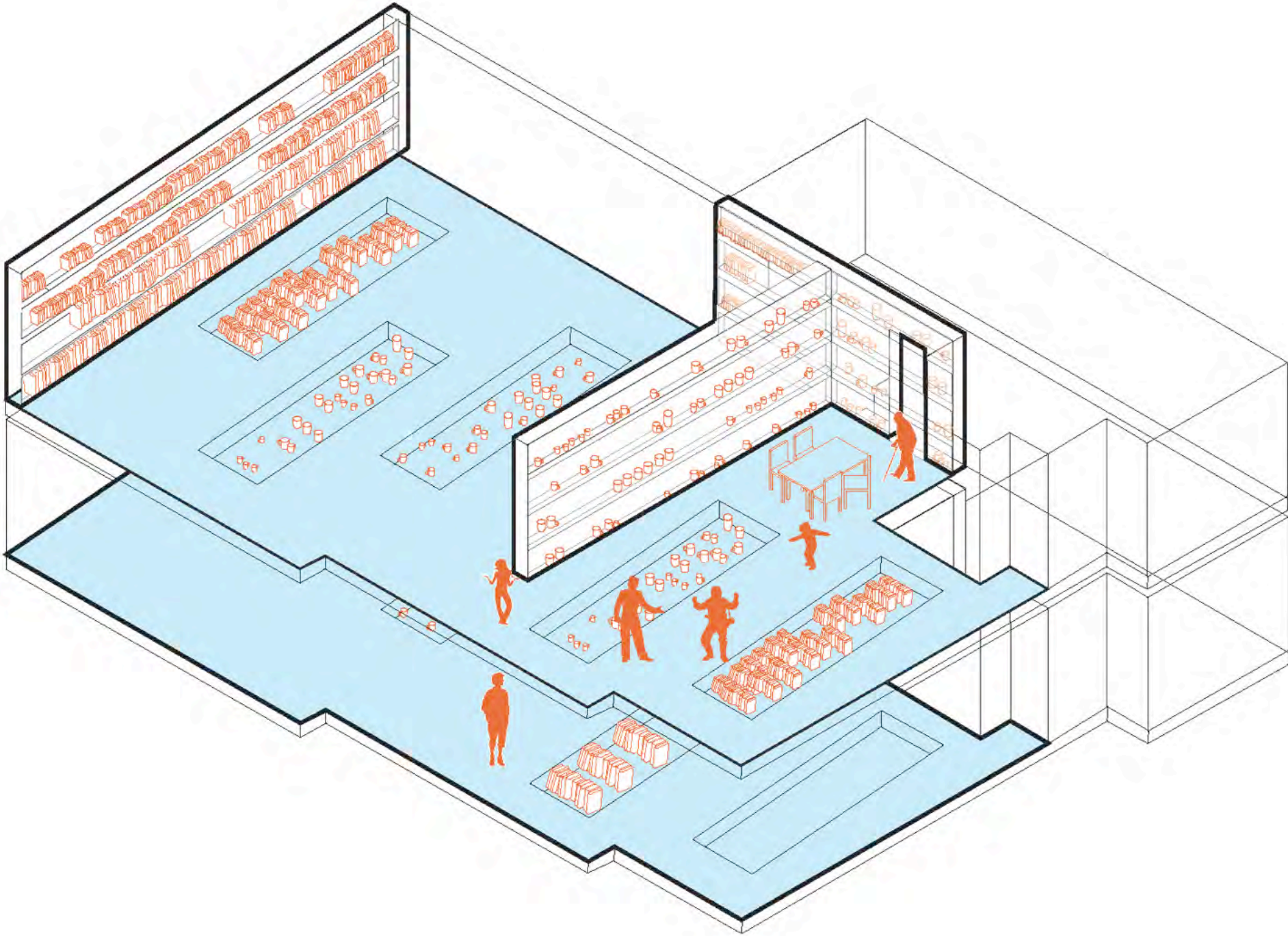




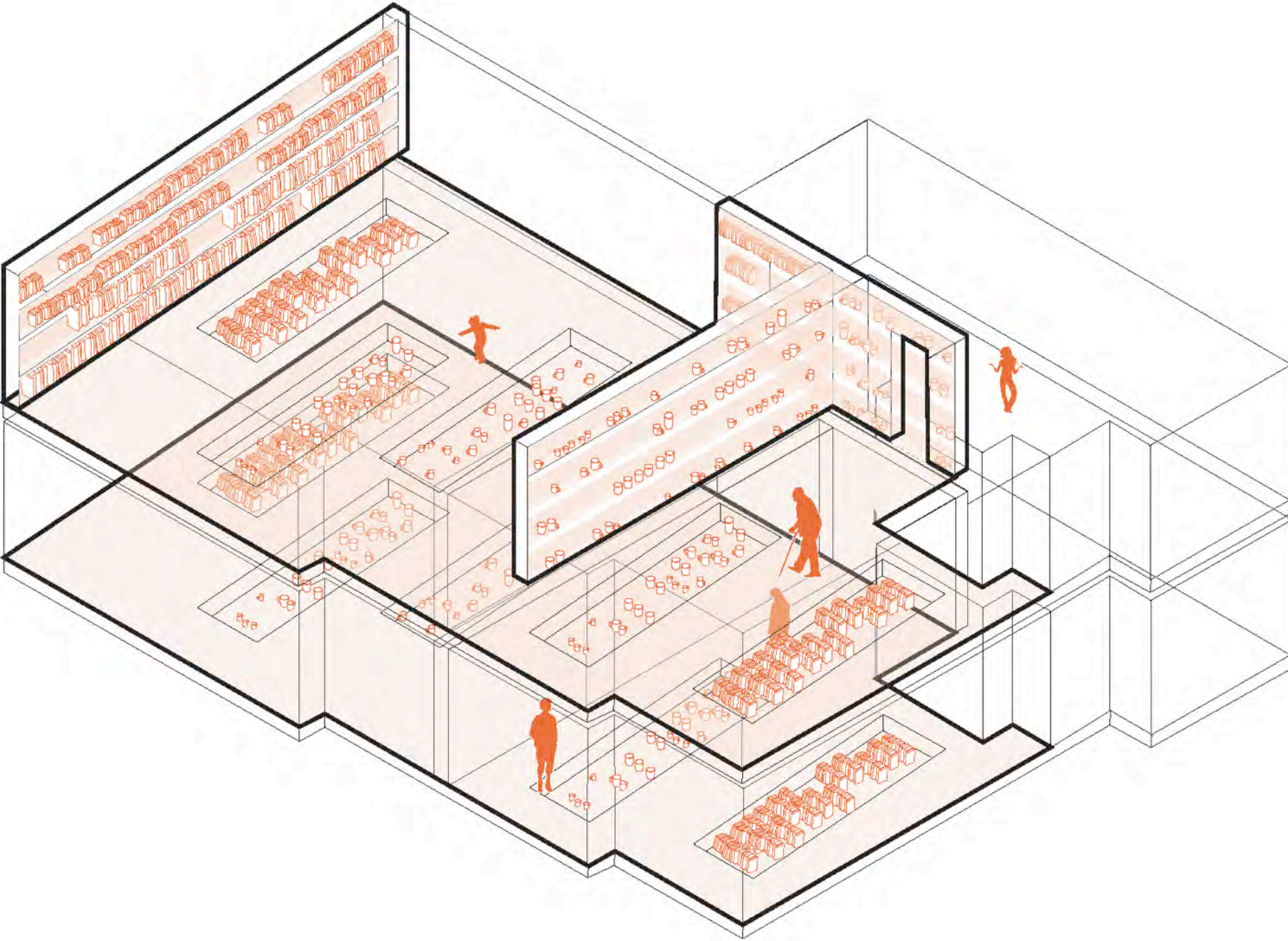


**20:00 21 August 2022**

During the dinner they find out that pablo, in the floor below , Has a super fertilizer that Hans needs.

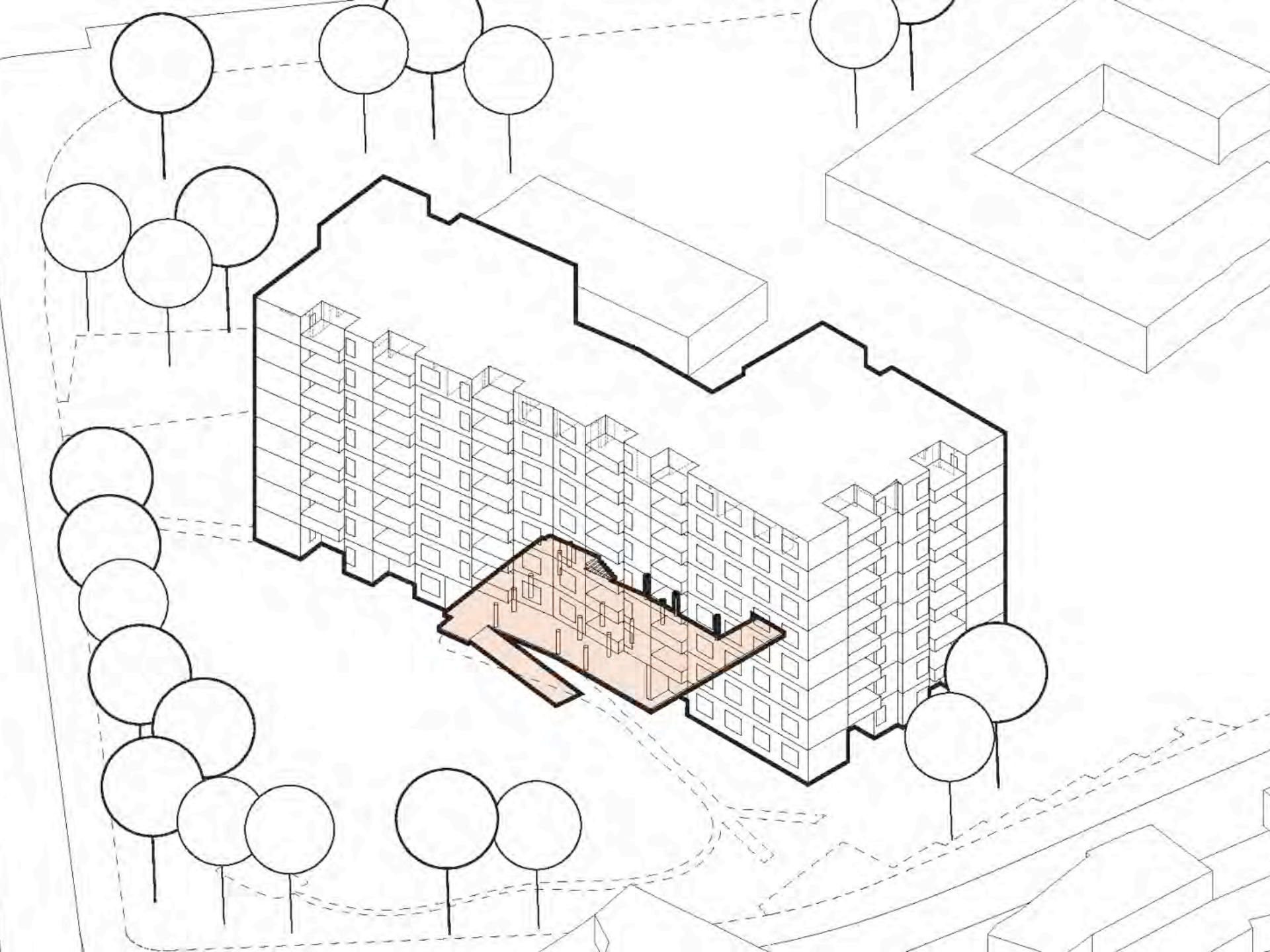


**What if belongings could be shared vertically?**



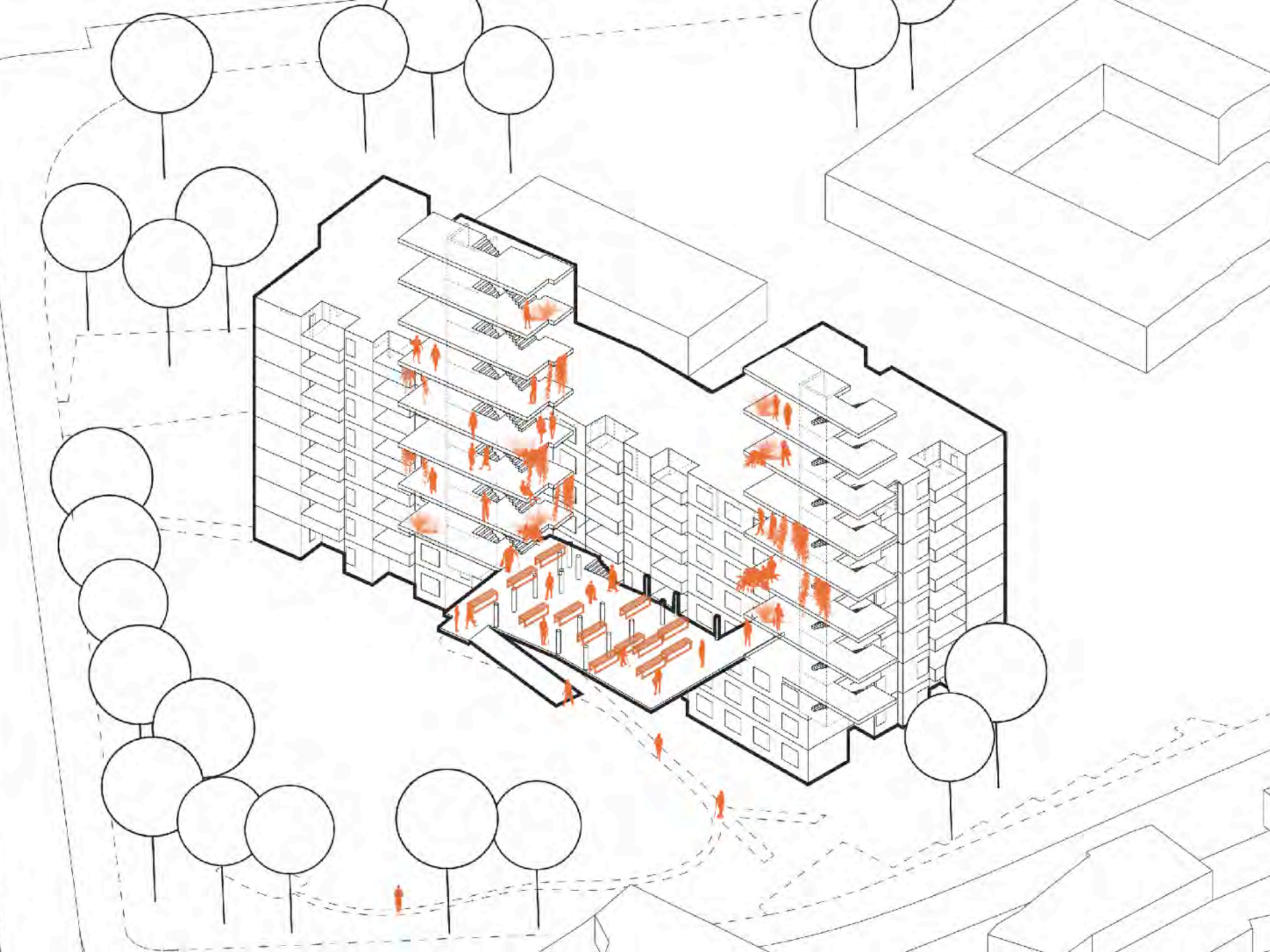
**16:00 21 August 2023**

Hans and the Mullers have grown too many tomatoes and want to share them on the common ground floor, but no one shows up



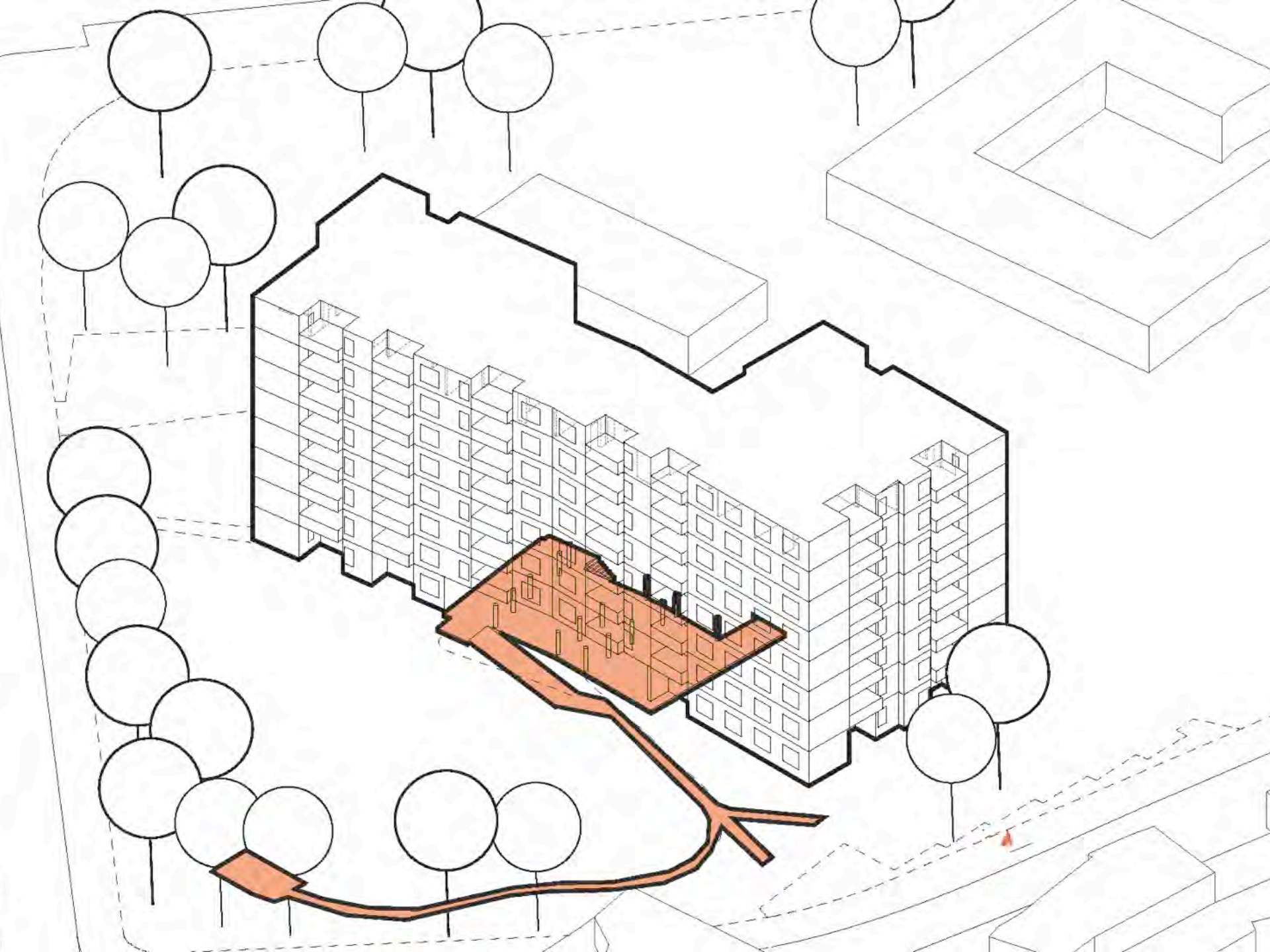
**What if the entrance  
displays the expression of  
all inhabitants?**



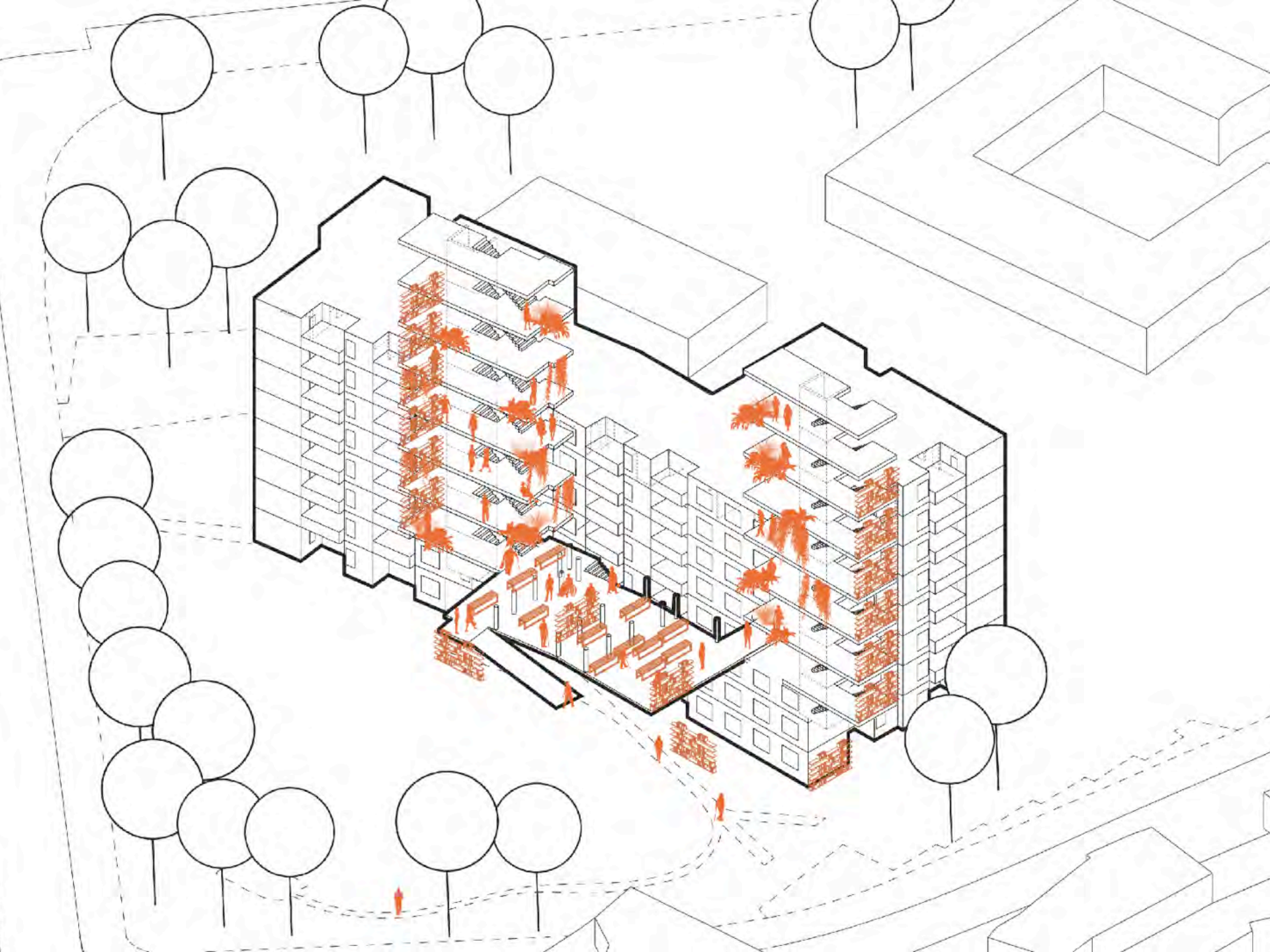


**16:00 21 August 2024**

Pablo, who lives in the neighbourhood, rolls by the building but doesn't take a second look at it.

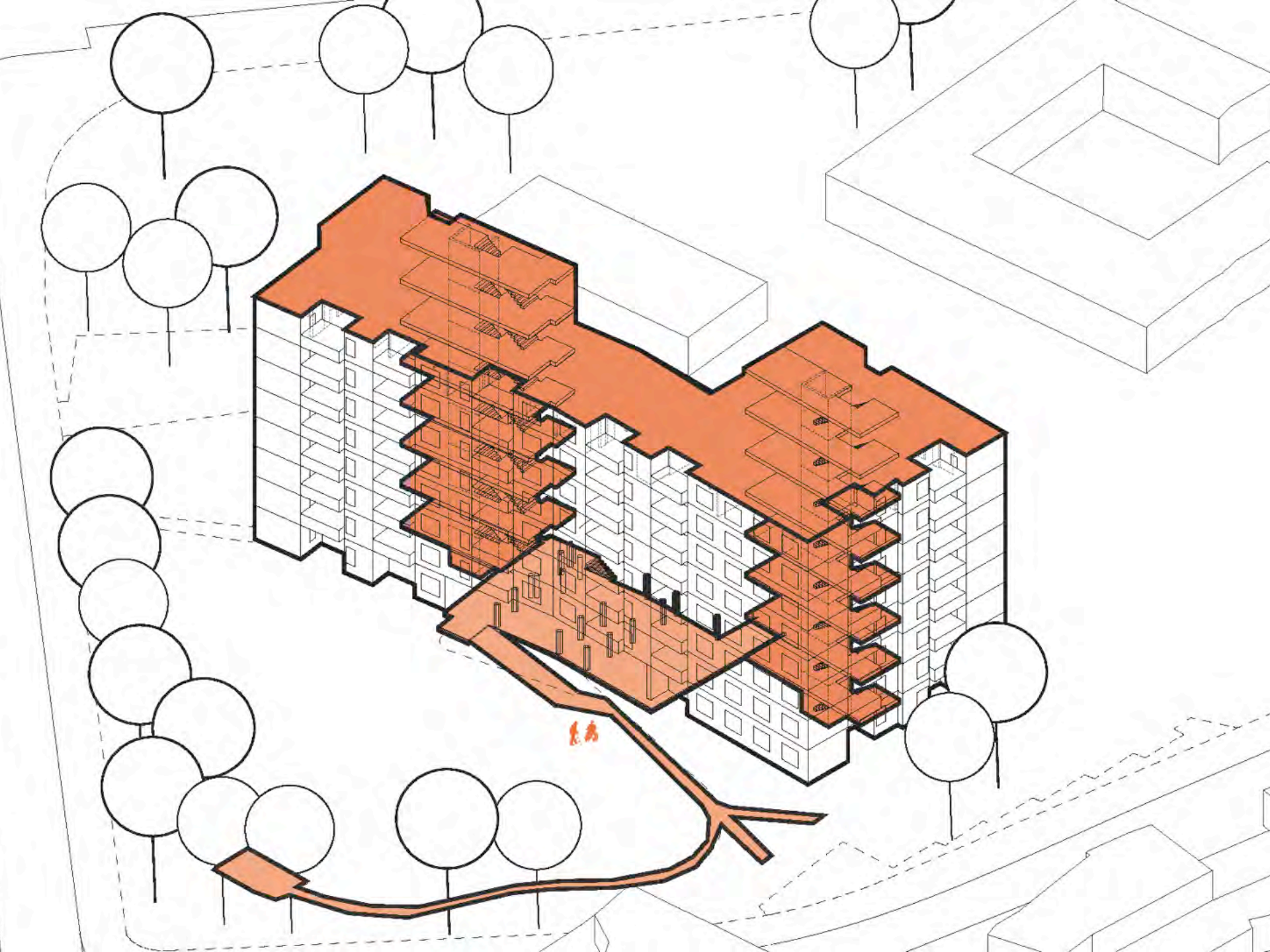


**What if belongings are  
shared with the public?**



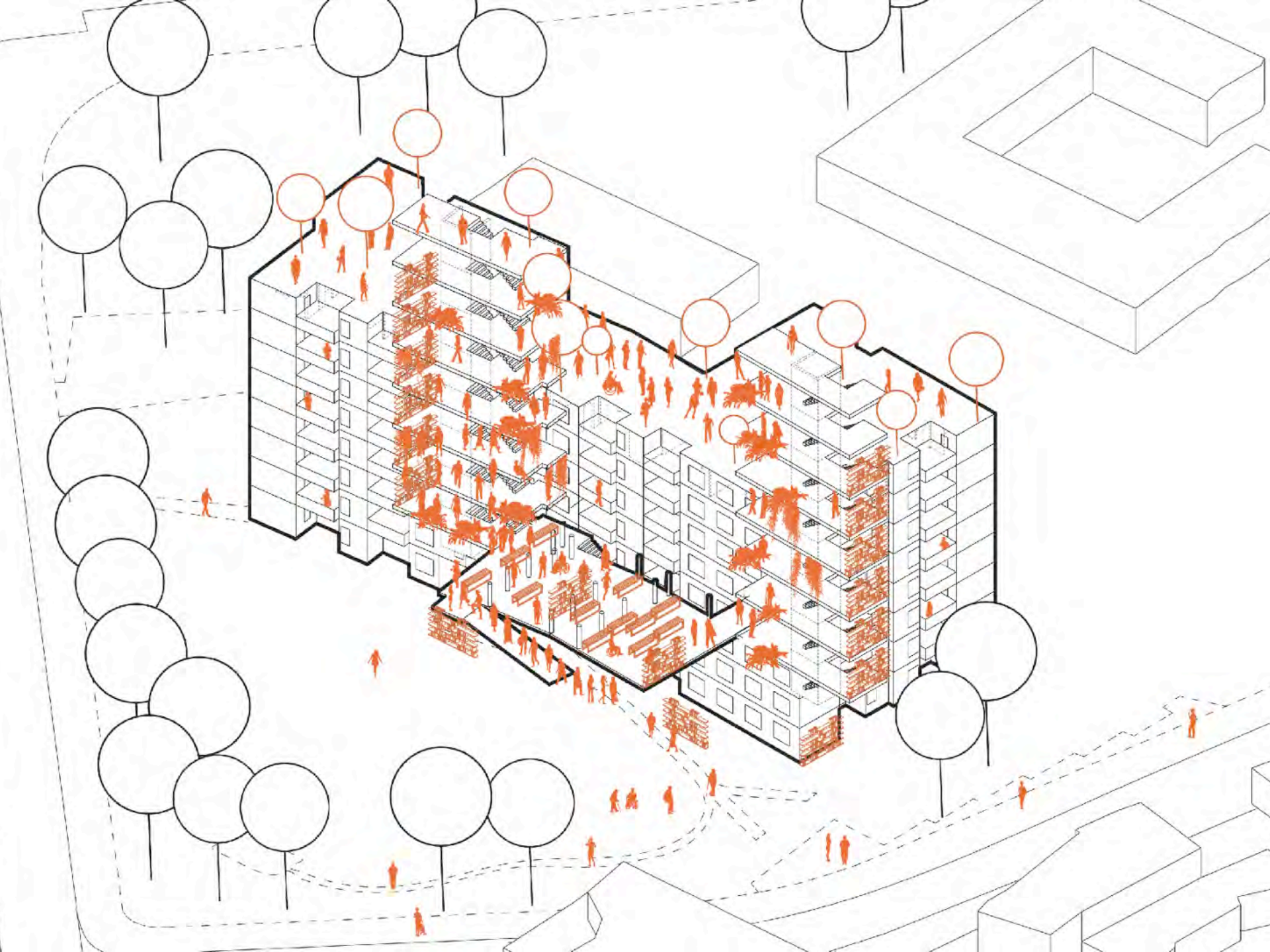
**16:00 21 August 2030**

Pablo visits his old friend Hans and tells him about his new Carrot garden.



**What if the public share  
their expressions?**

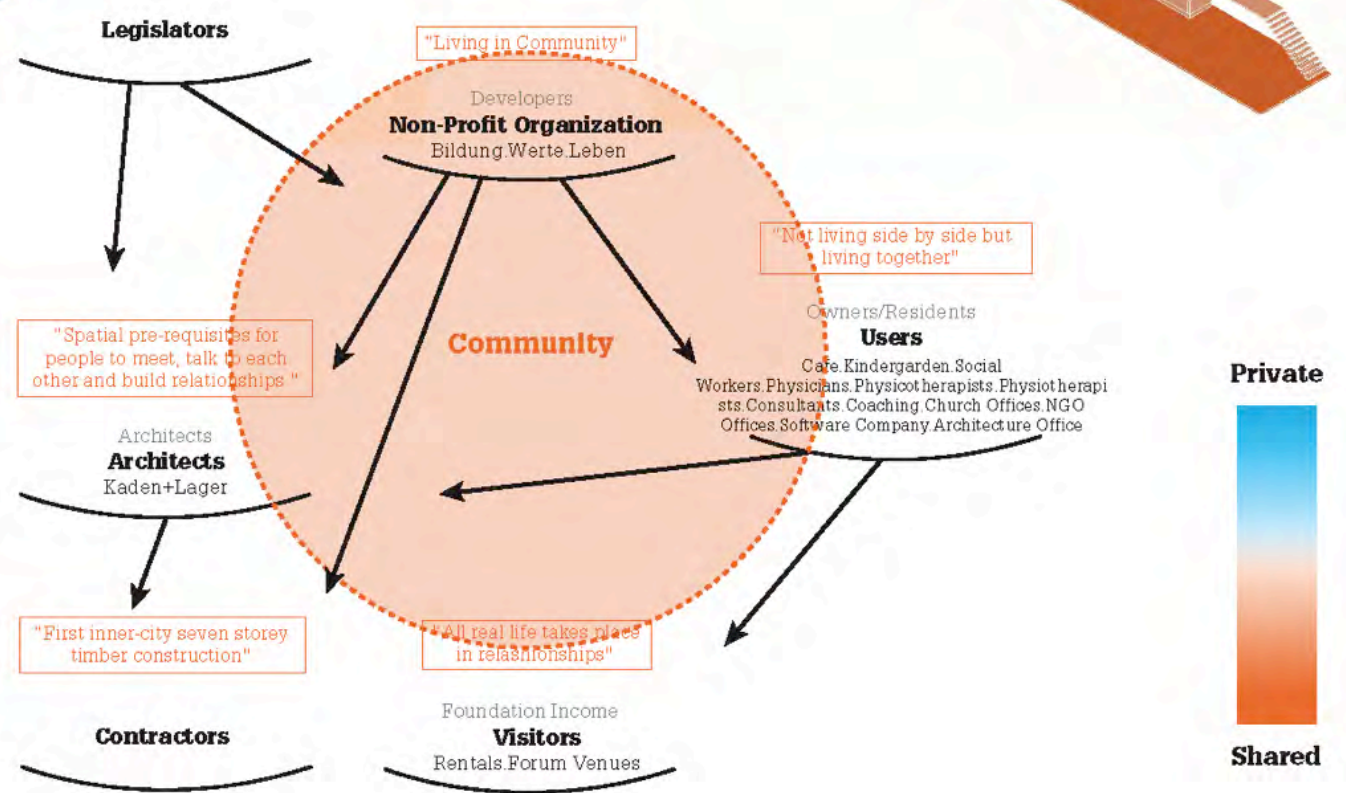
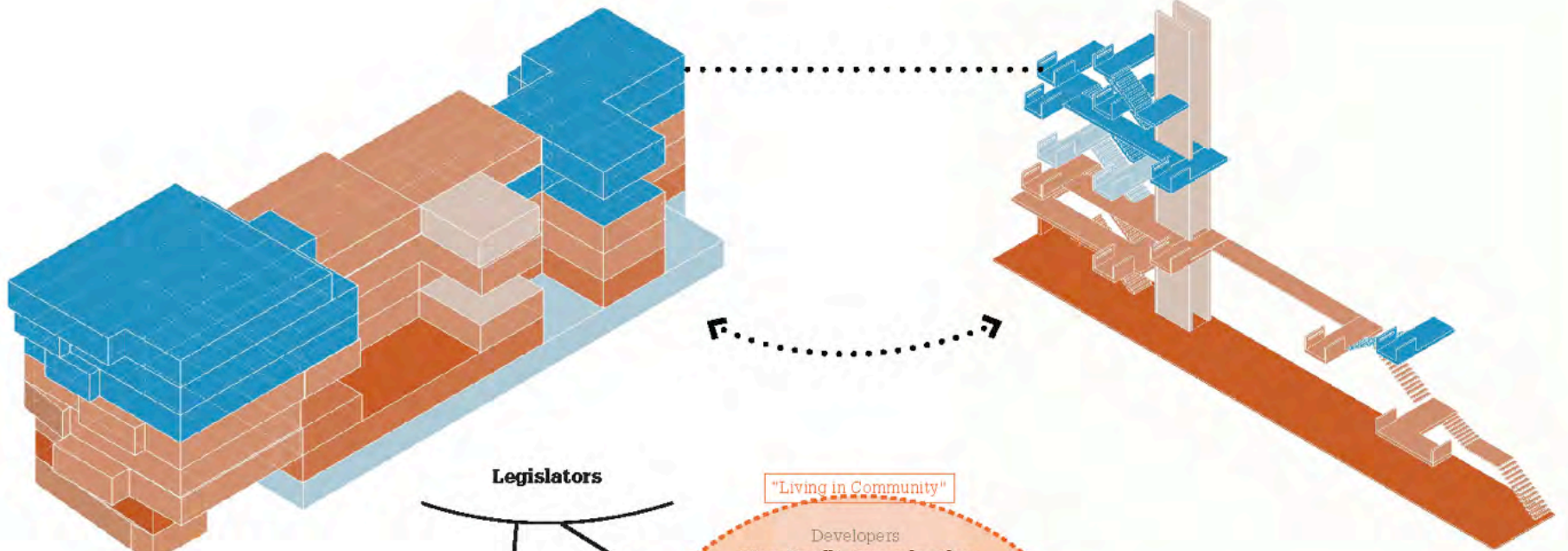


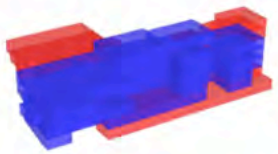


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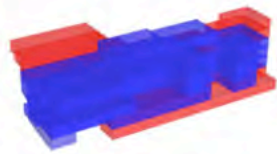
Sharing by ACCESS

Christburger Straße 13

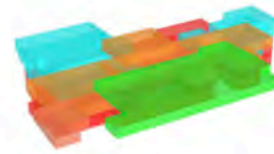




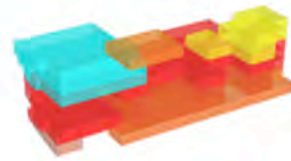
2 am



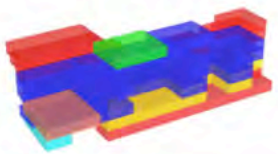
4 am



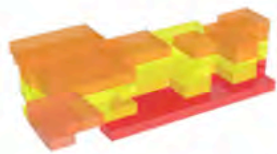
2 pm



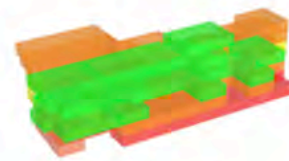
4 pm



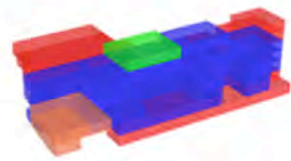
6 am



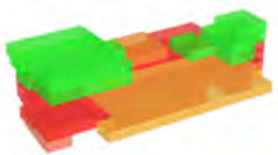
8 am



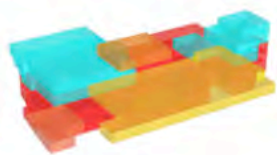
6 pm



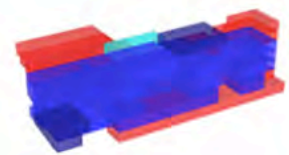
8 pm



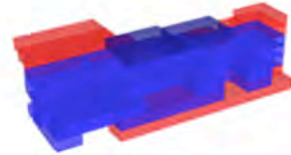
10 am



12 am



10 pm

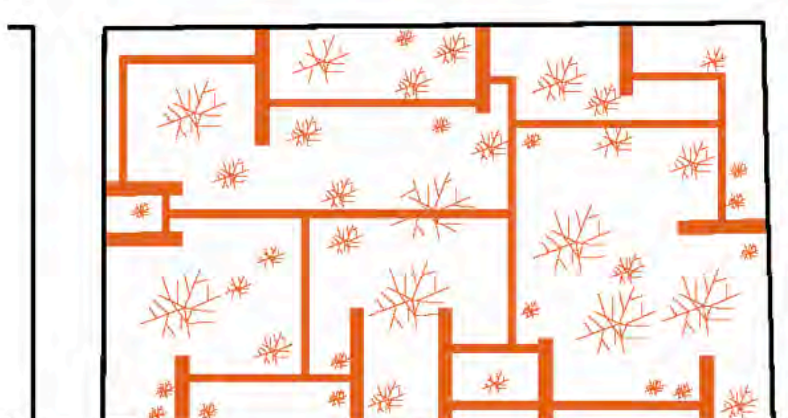
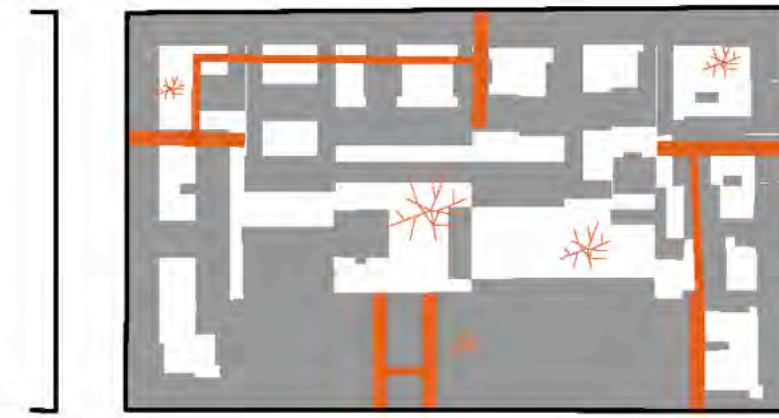


12 pm

Busy



Empty



***Hyper Accessible Colonizing Model of Shareness***

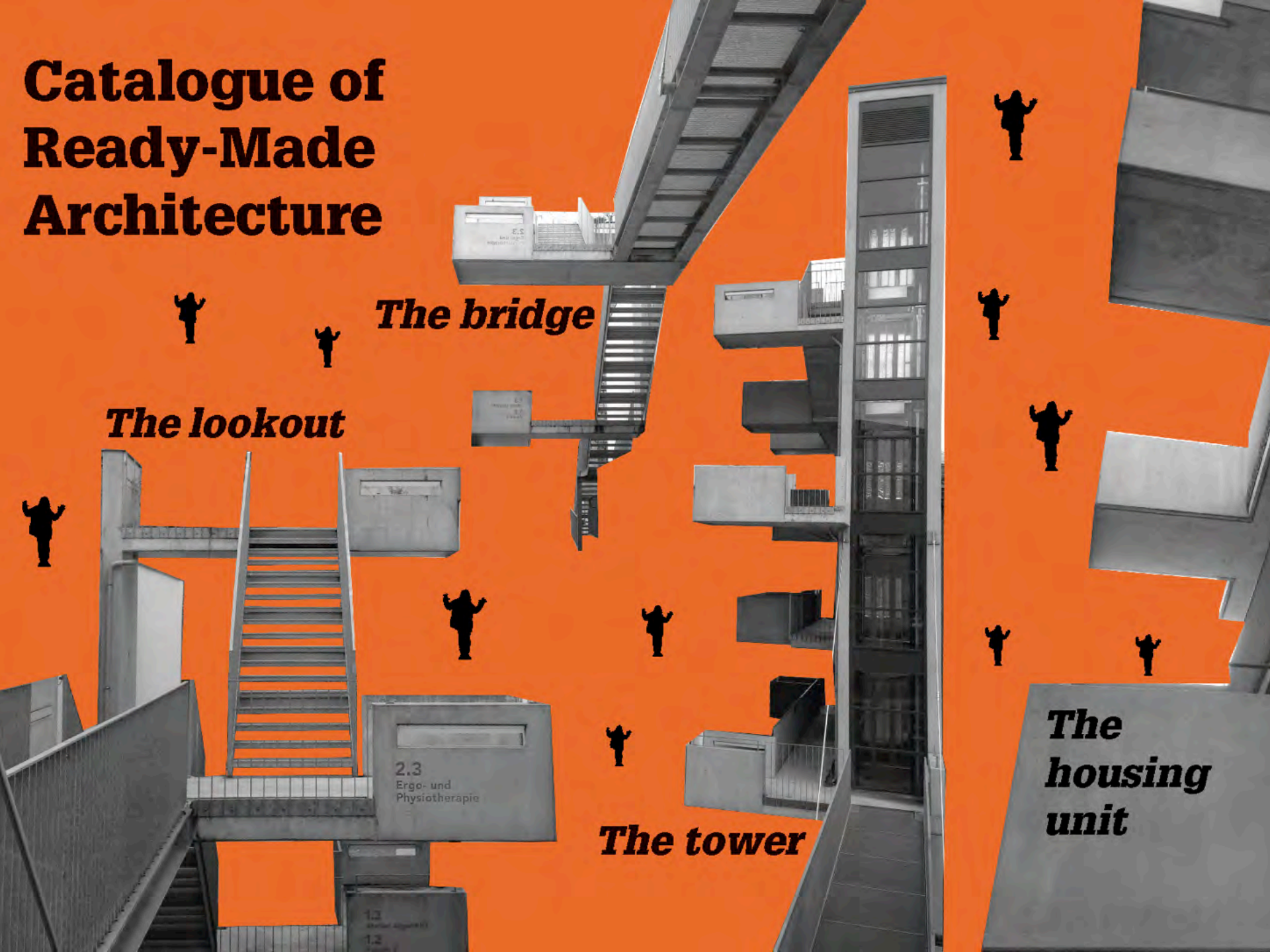
# Catalogue of Ready-Made Architecture

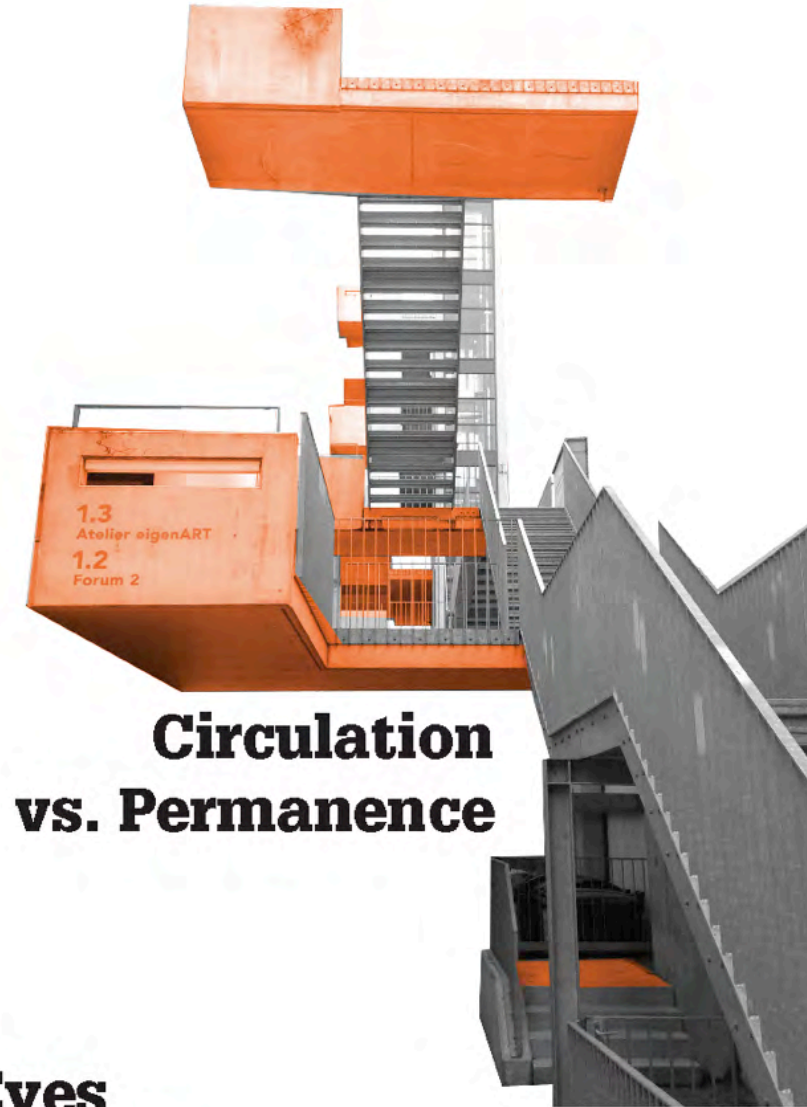
*The bridge*

*The lookout*

*The tower*

*The housing unit*





## **Circulation vs. Permanence**

**The Eyes  
of the Street**

# Evidences of Shareness



## Appropriation of Space



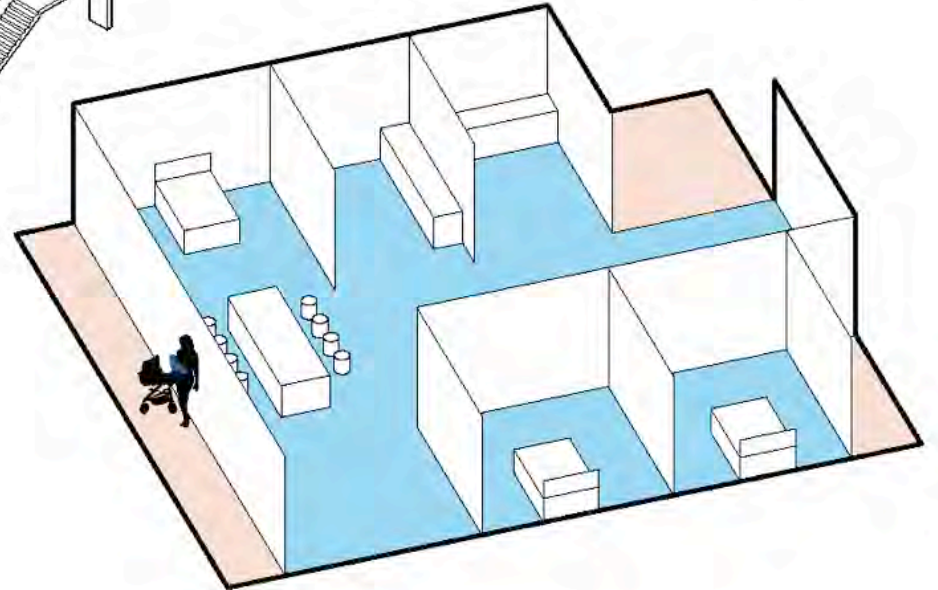
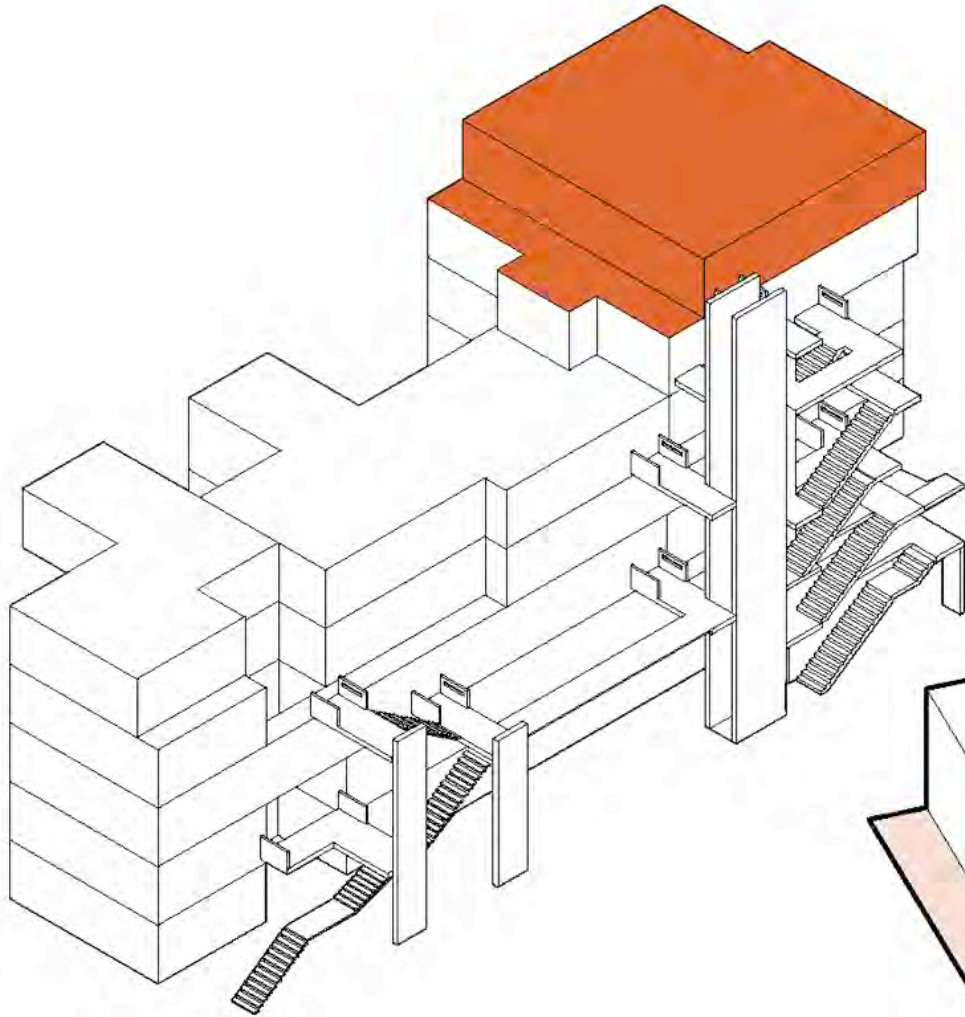
# Sharing by Access



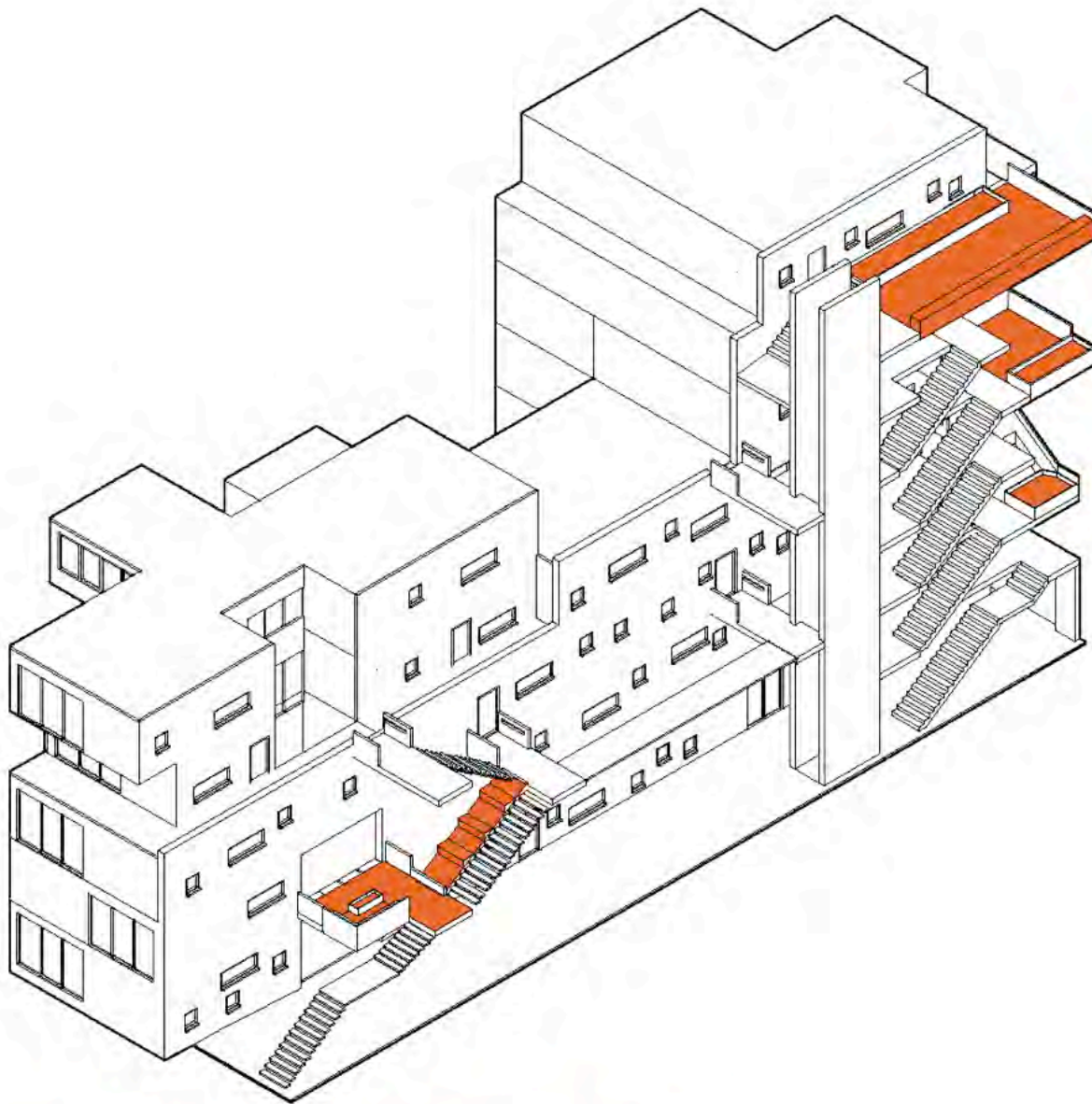
***The mega  
compact  
staircase-city of  
love and sharing***

**8:00\_22 November\_2017**

Baby Bruce is 6 months old, he lives with his mom and dad at apartment 4.2. His mom takes him to sunbathe every morning on the terrace



**What if the staircase is a  
garden?**



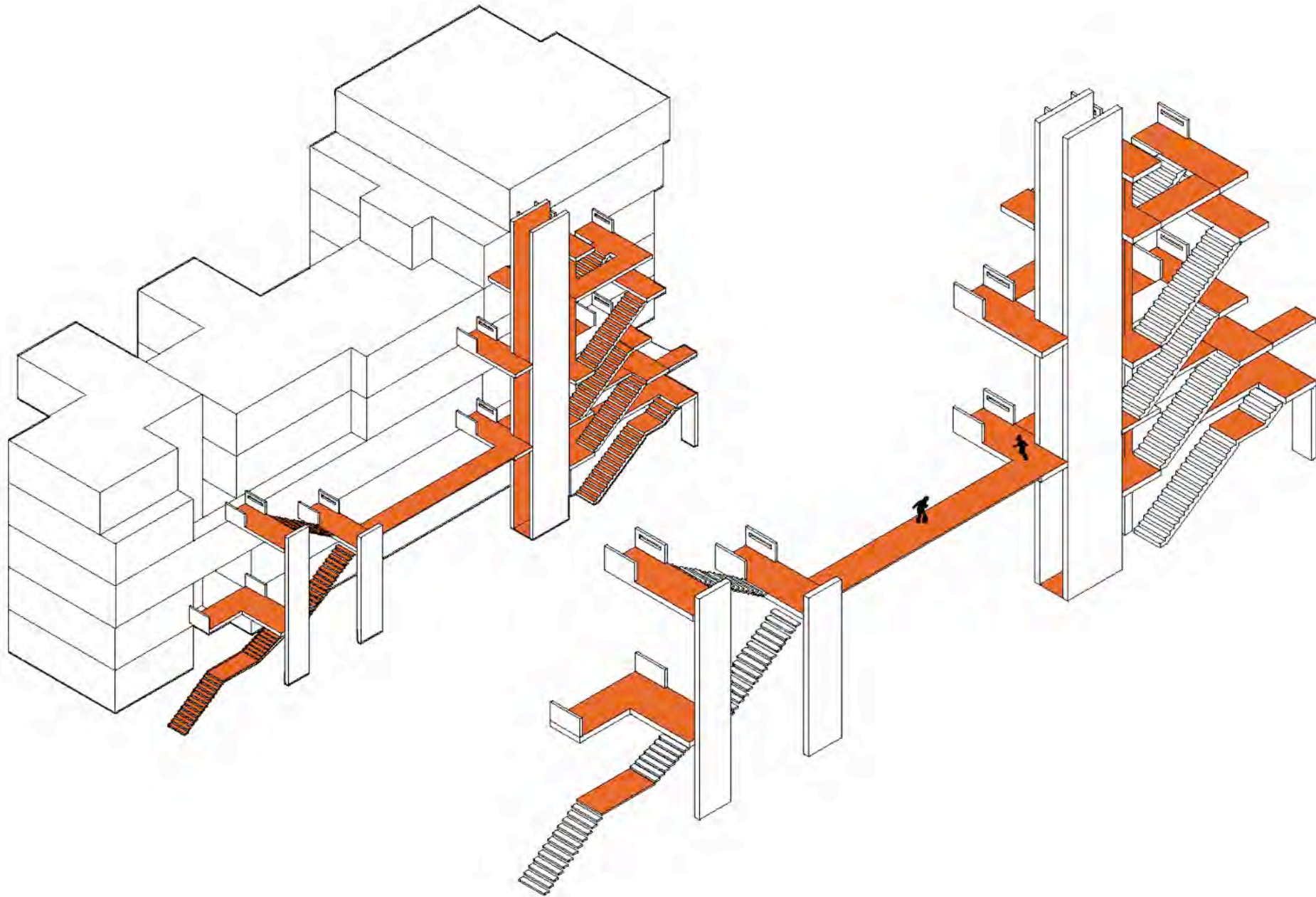
**Love your Garden**

**Taxonomy of Shareness**

Scale	Type of Intervention	Level of Shareness
Small	Minimal Intervention	Neighbour
Medium	Program Adaptation	Block
Large	Radical Intervention	City
	Utopic Intervention	Country

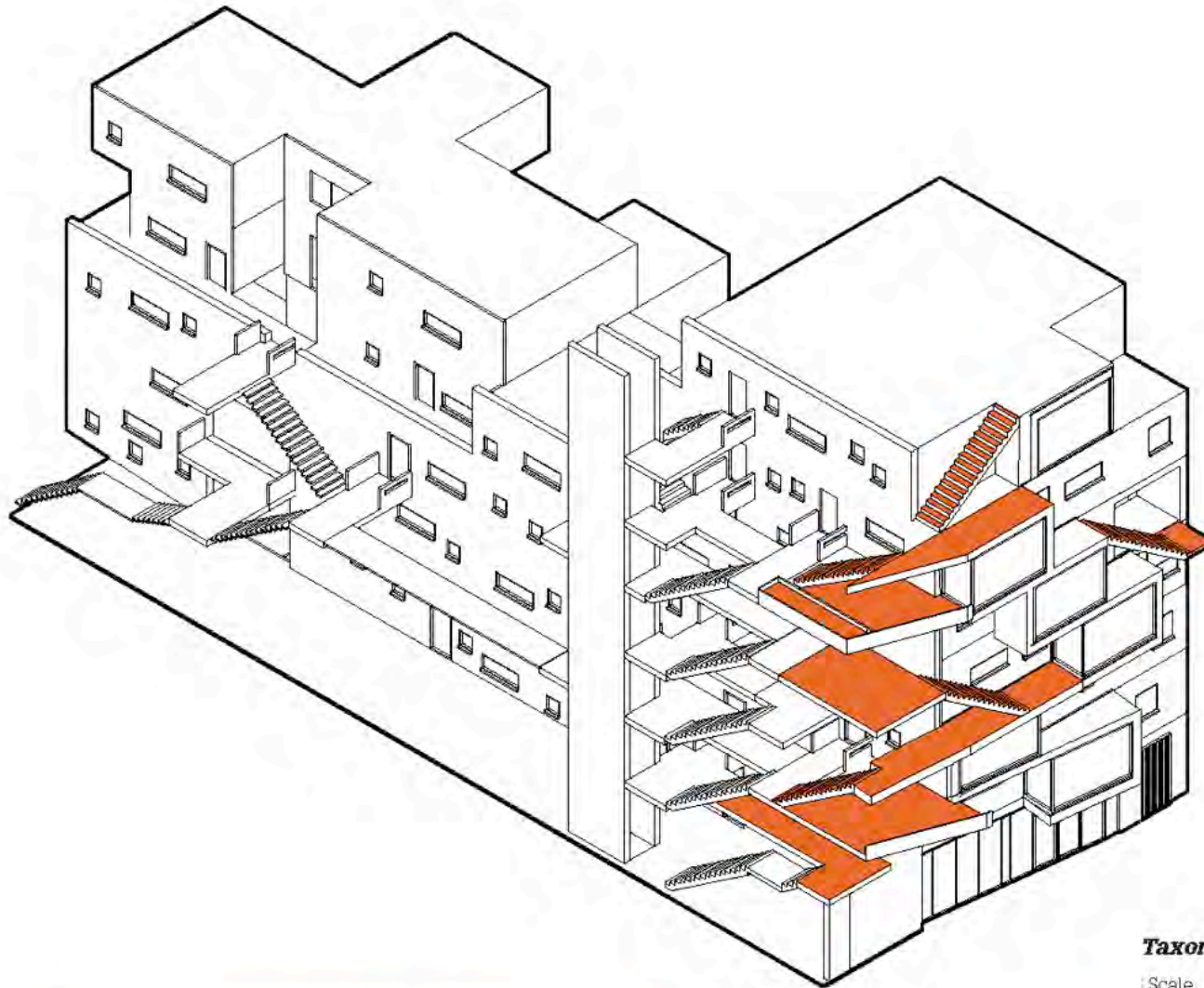
**16:00\_01 March\_2027**

Bruce is playing hide and seek with his friend from 3rd floor. Dad is watching through the window



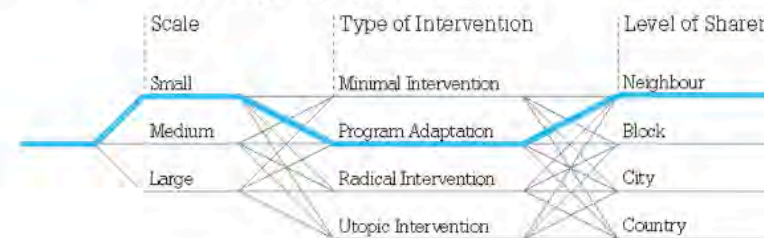


**What if the staircase  
extends to the front facade?**



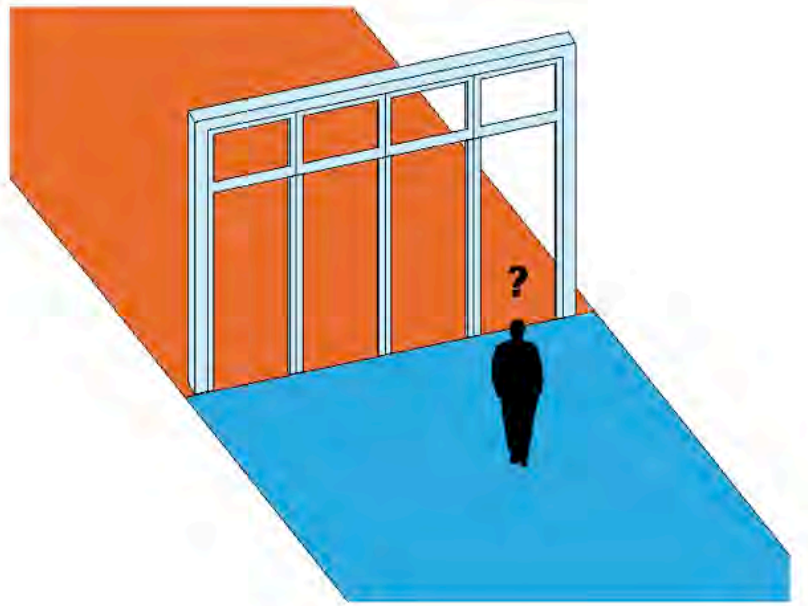
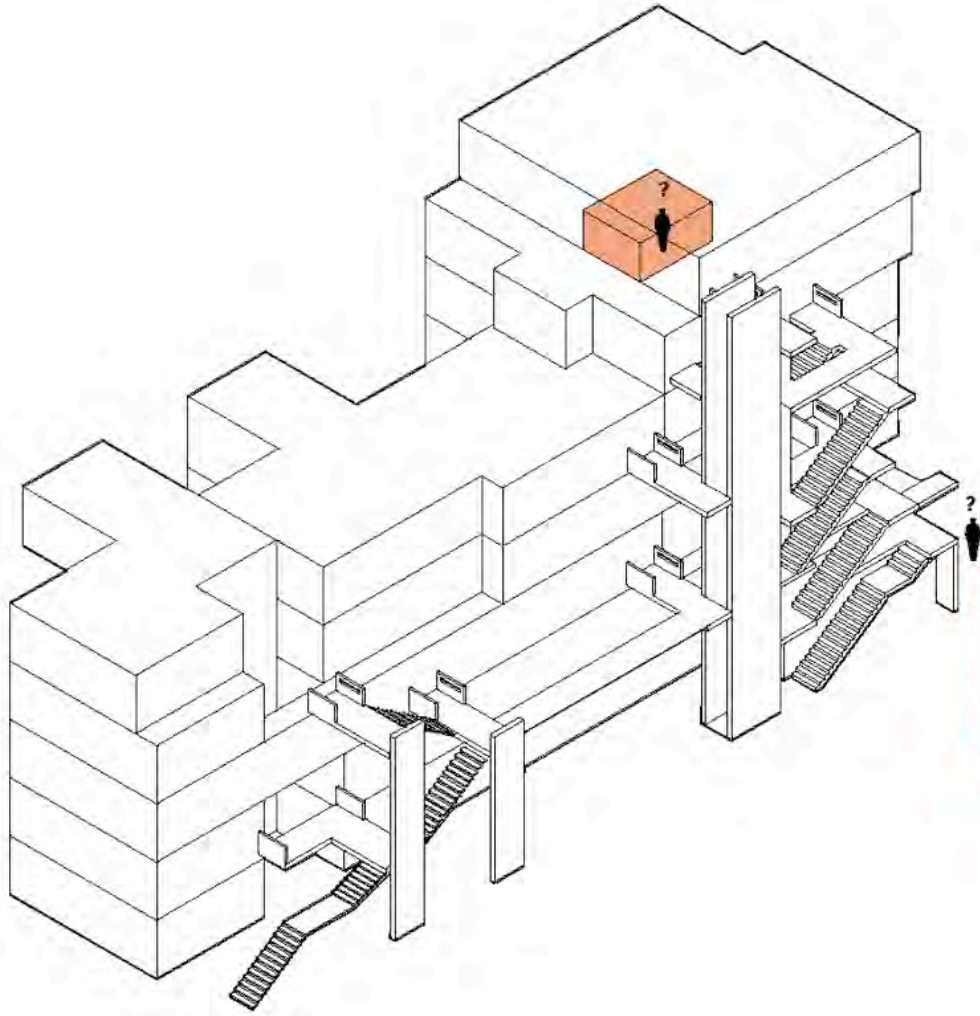
**Love your Facade**

***Taxonomy of Shareness***

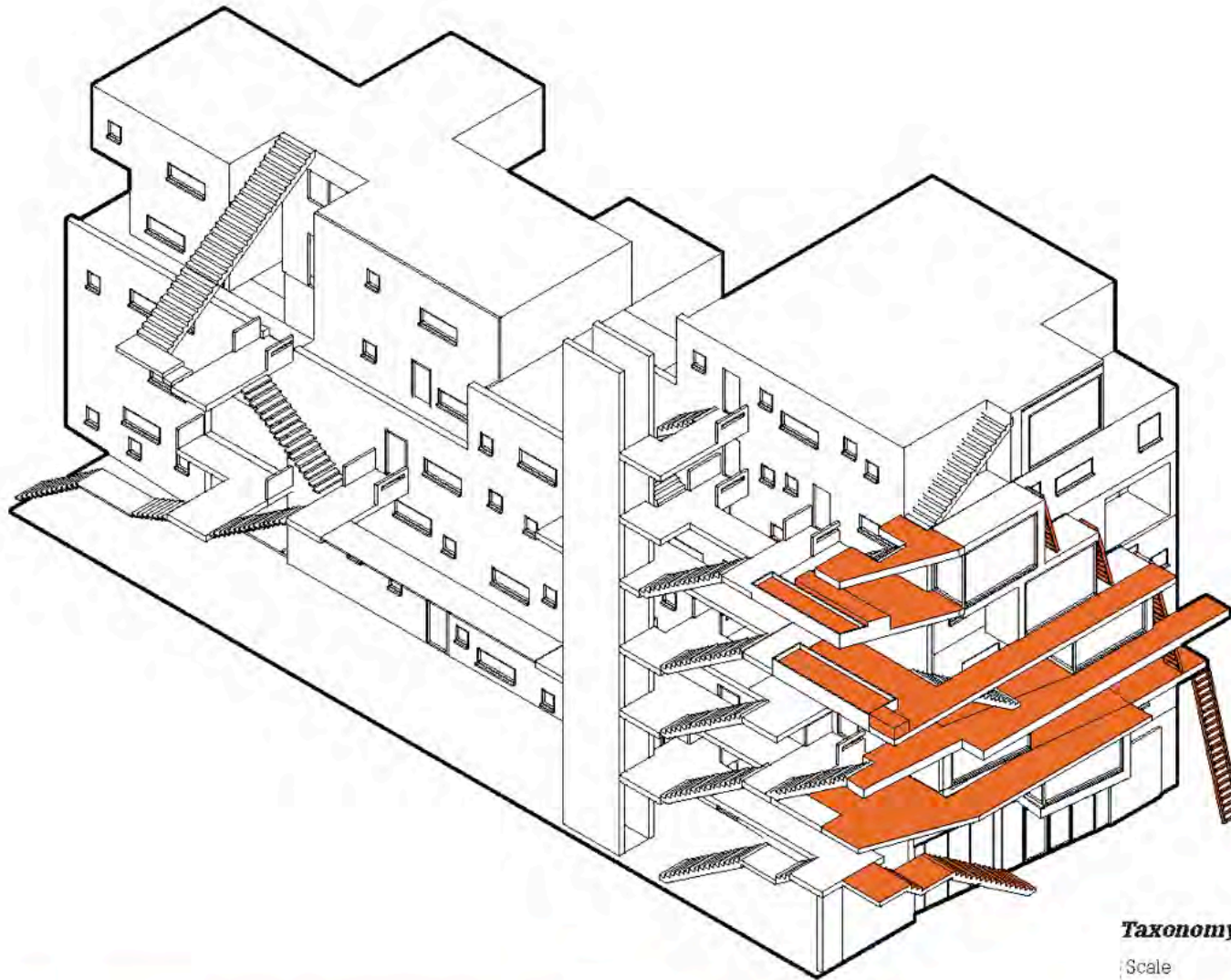


**2:00\_05 August\_2030**

Bruce's friend Walt comes to play videogame but finds the gate closed

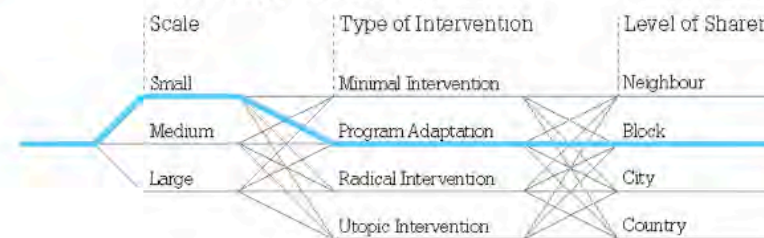


**What if the staircase on the  
facade becomes public?**



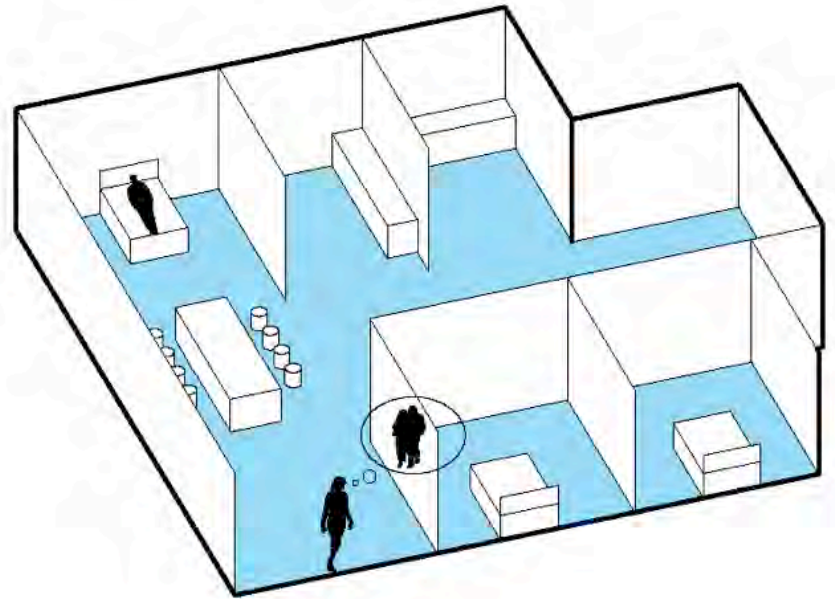
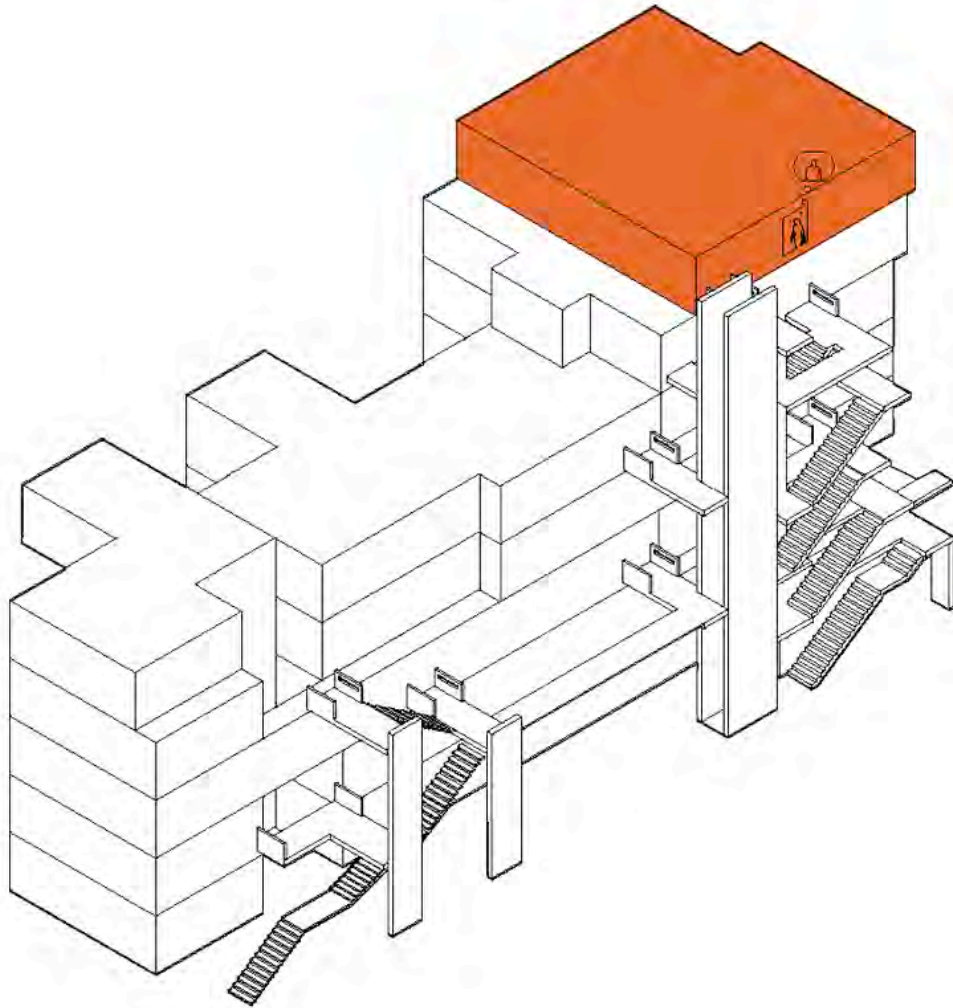
***Love your public facade***

***Taxonomy of Shareness***



**1:00\_09 September\_2032**

Bruce's mom has an affair with a man from the neighbouring building. She's afraid of being seen leaving her house late at night



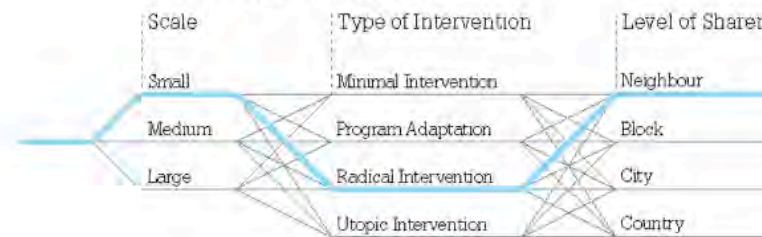


**What if the staircase is  
connected to the next  
building?**



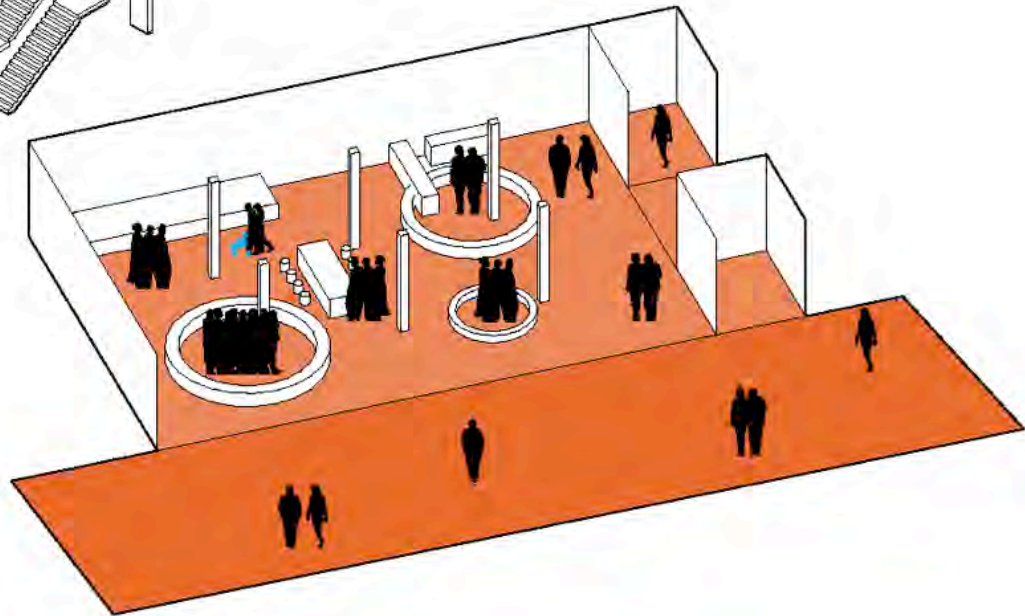
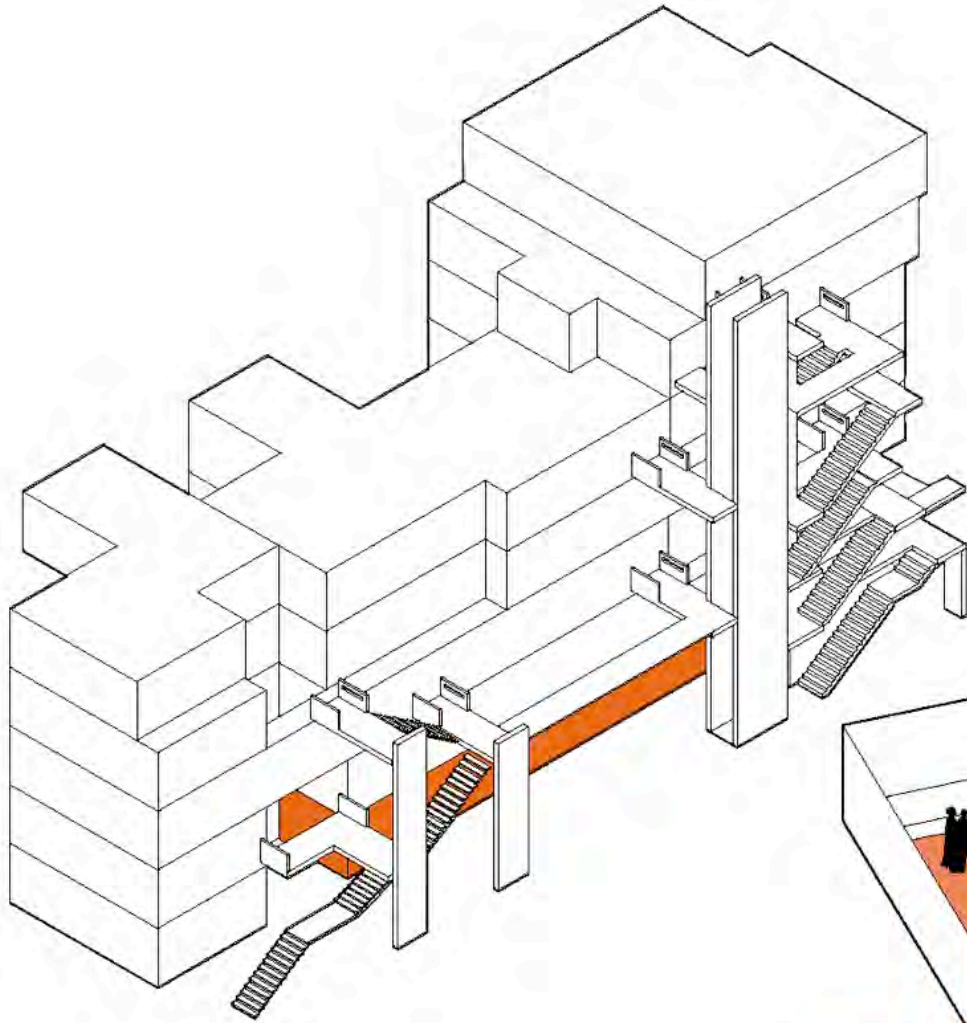
*Love your neighbour*

***Taxonomy of Shareness***

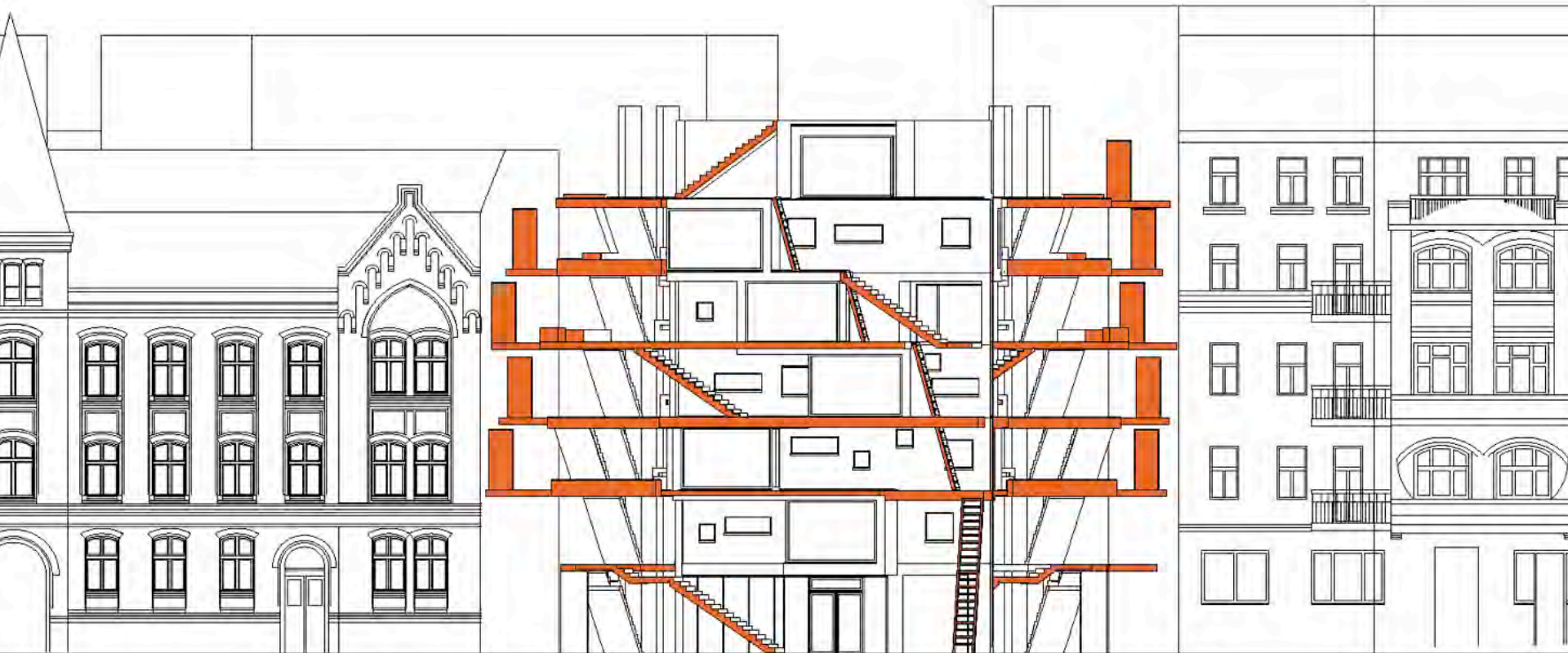


**20:00\_05 May\_2035**

Bruce is 18 . He throws a party to his friends at the communal room







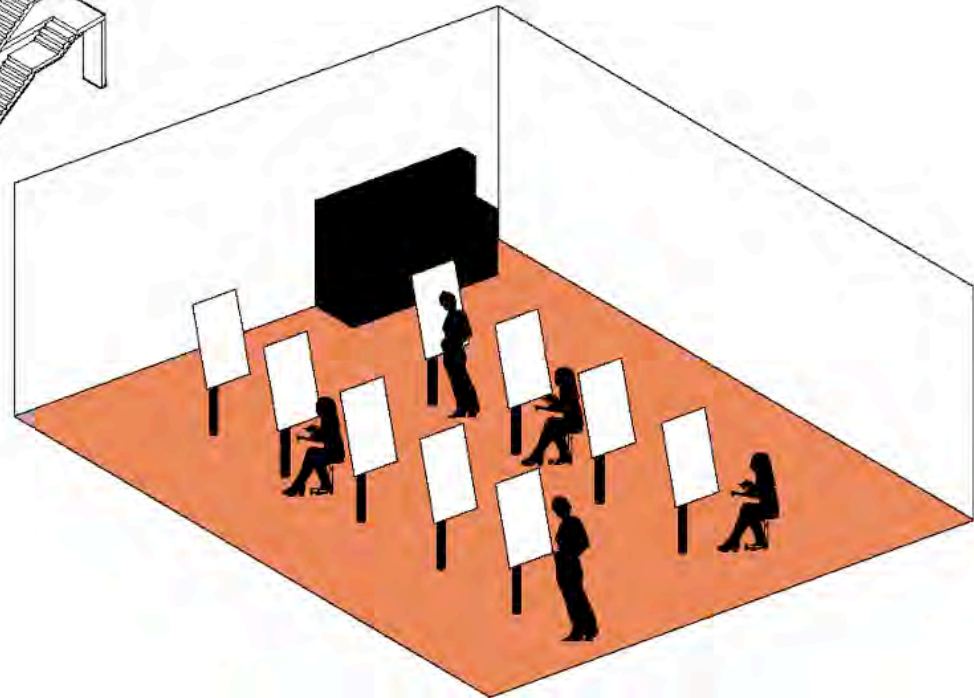
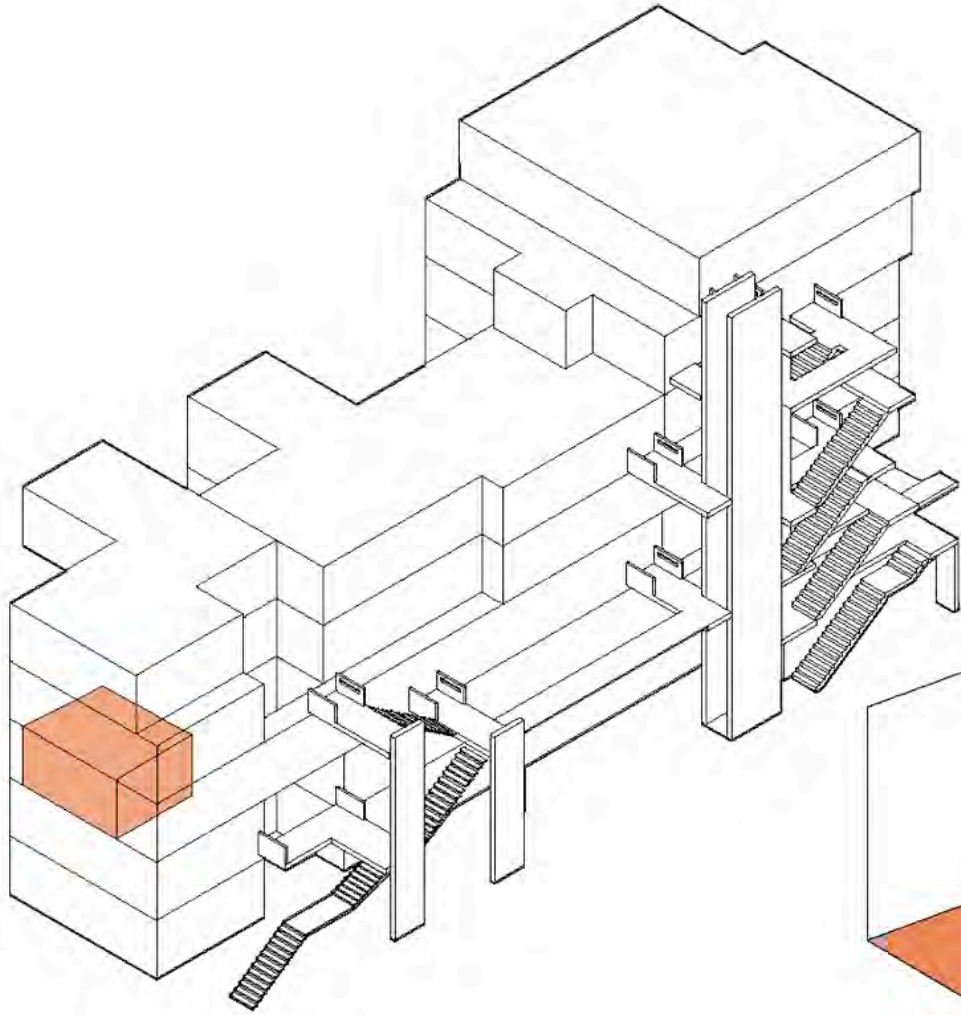
*Love your neighbours*

**Taxonomy of Shareness**



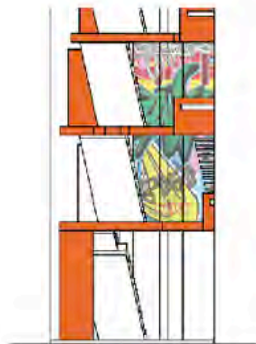
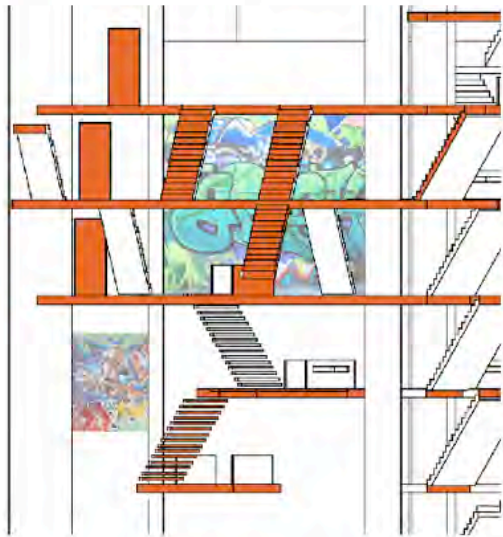
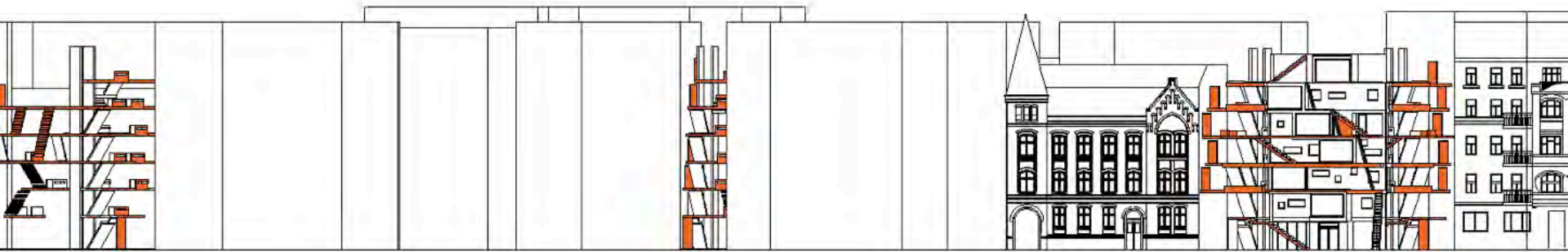
**14:00\_01 October\_2036**

Bruce is at his art class. He is  
bored



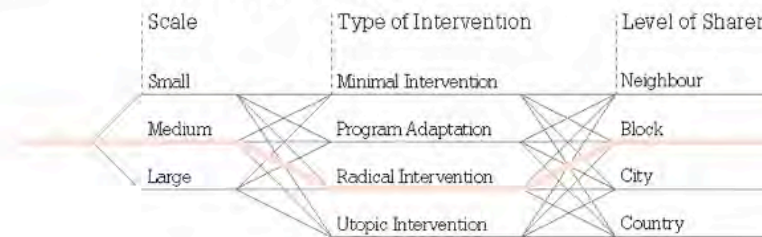


**What if the staircase  
connect to the whole block?**



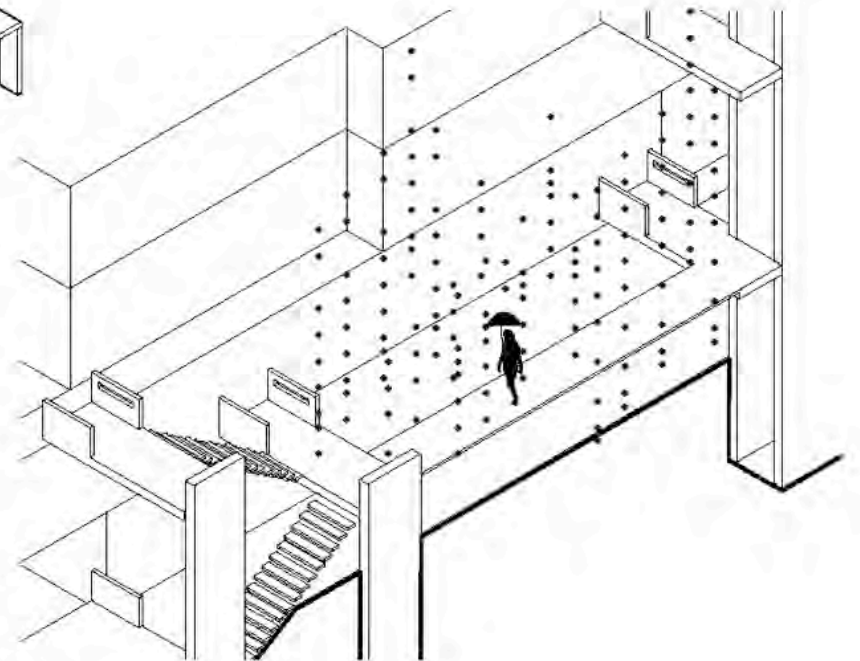
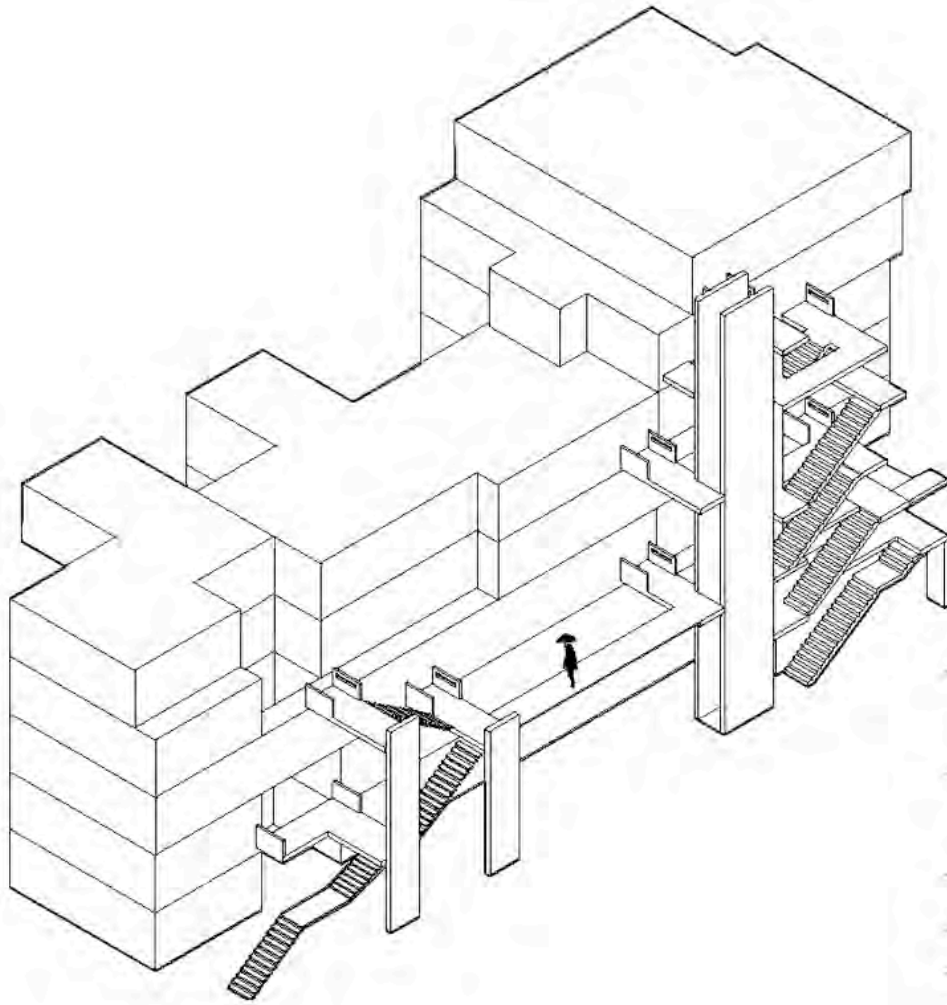
*Love your block*

***Taxonomy of Shareness***

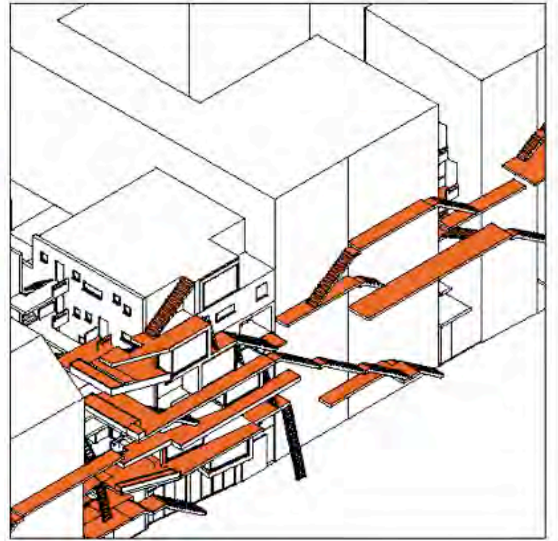
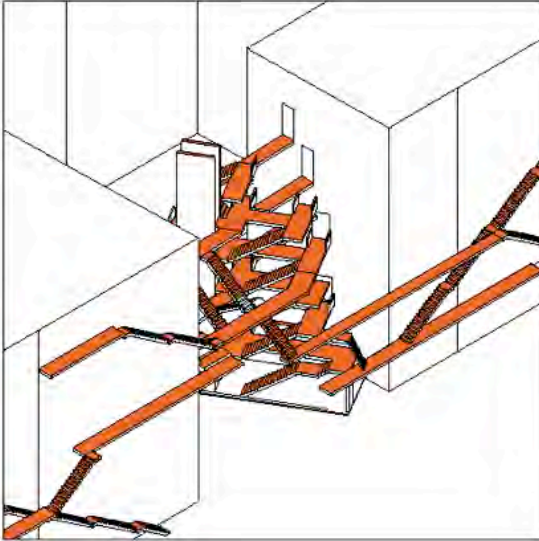
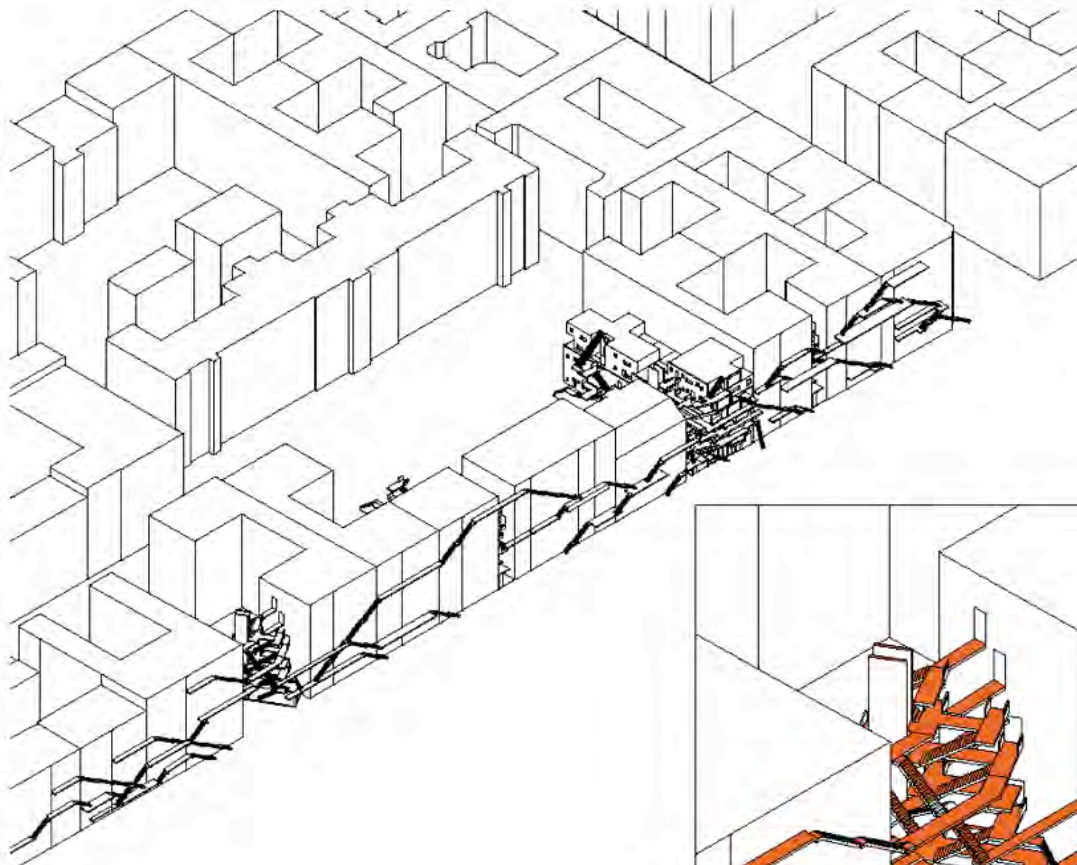


**15:00\_23 April\_2037**

Bruce's mom wants to go shopping but it i s raining



**What if all the building  
blocks are connected through  
their staircases?**



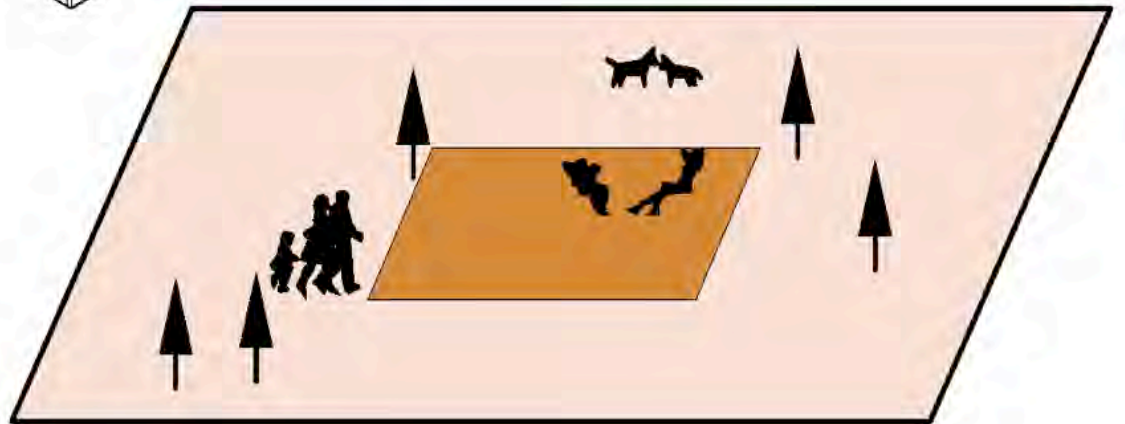
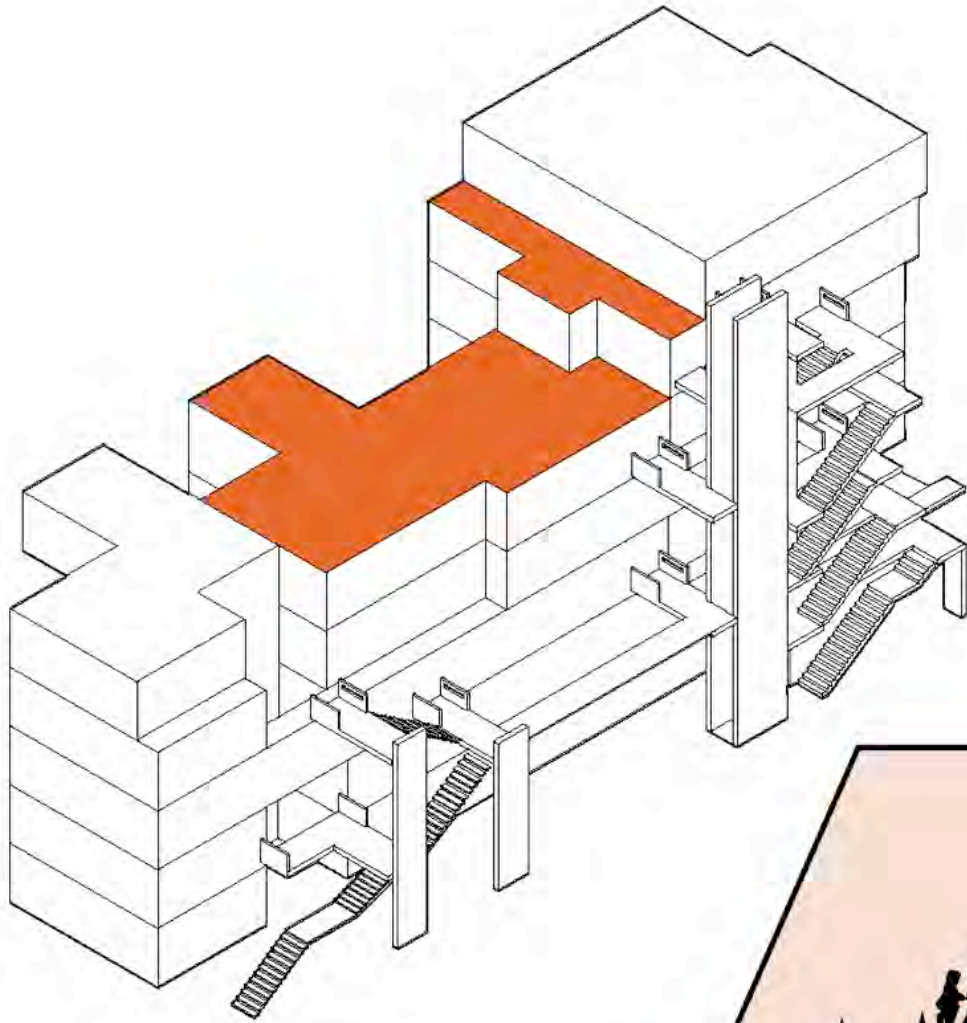
*Love your city*

**Taxonomy of Shareness**

Scale	Type of Intervention	Level of Shareness
Small	Minimal Intervention	Neighbour
Medium	Program Adaptation	Block
Large	Radical Intervention	City
	Utopic Intervention	Country

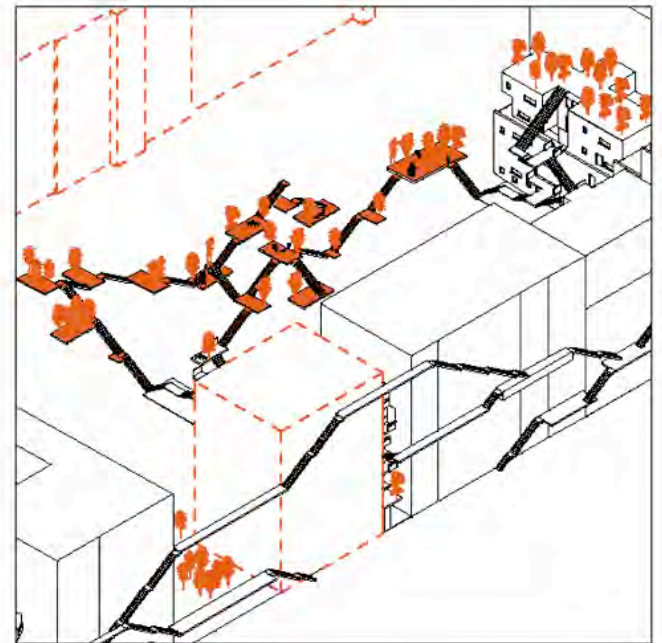
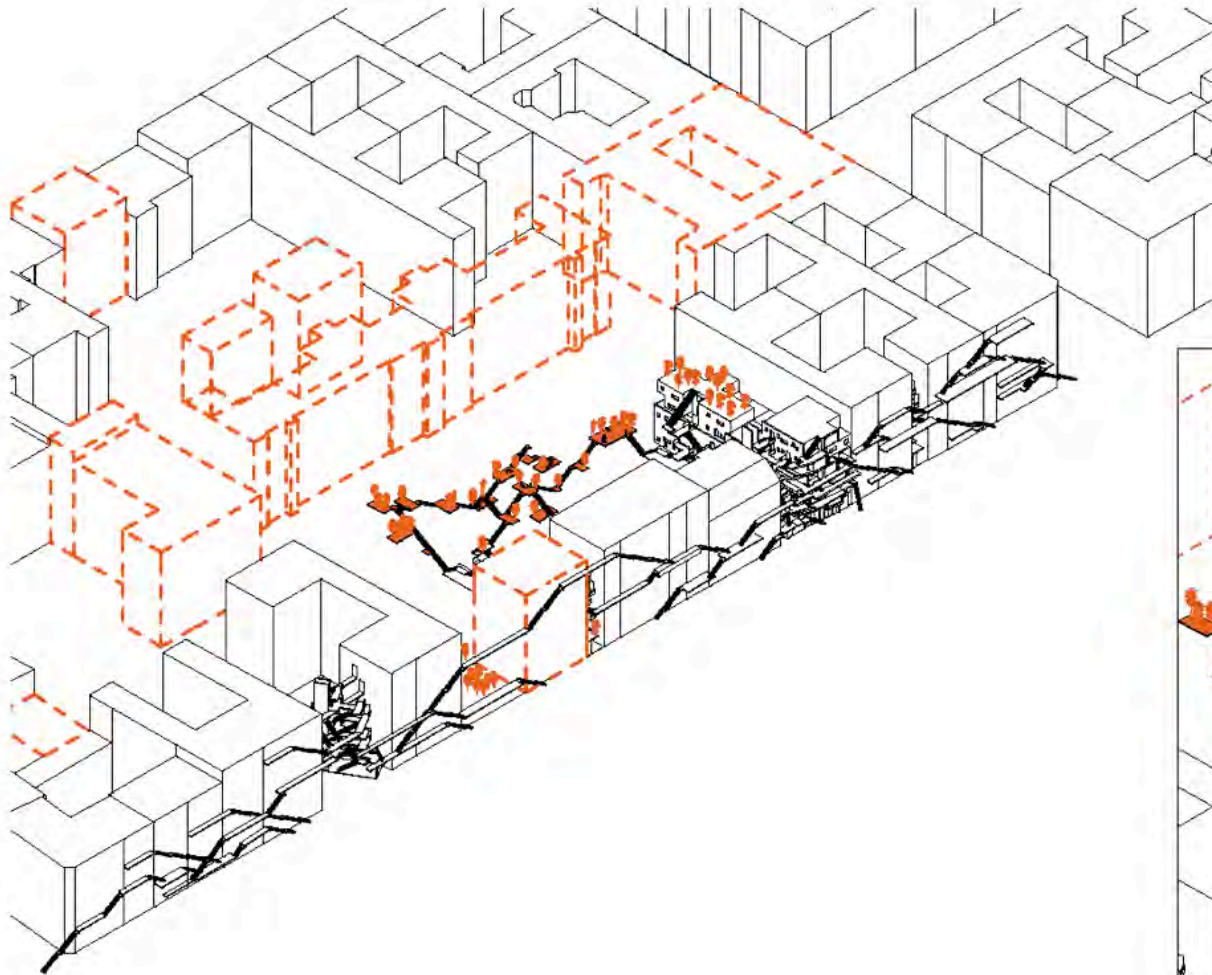
**11:00\_22 August\_2047**

Bruce left for college. It's Sunday  
and his parents have brunch on  
the terrace





**What if the staircases  
become buildings and the  
free space becomes park?**



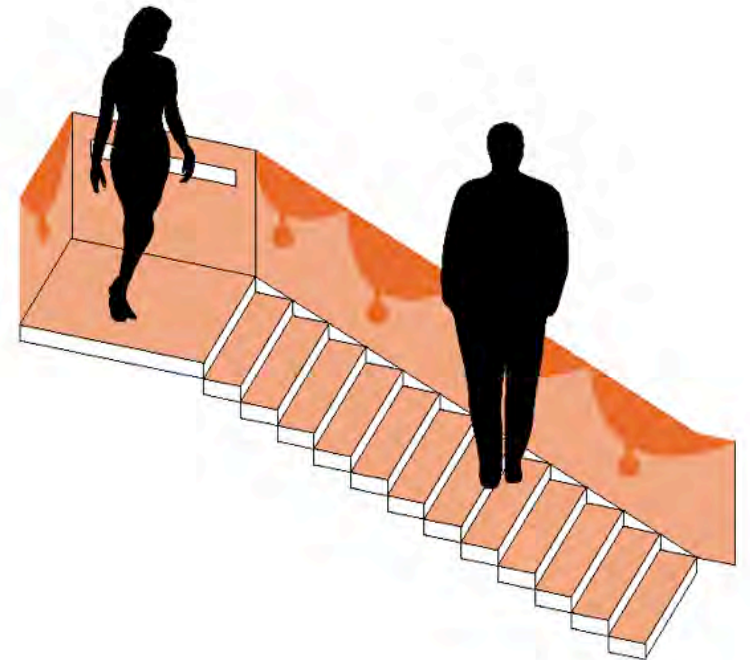
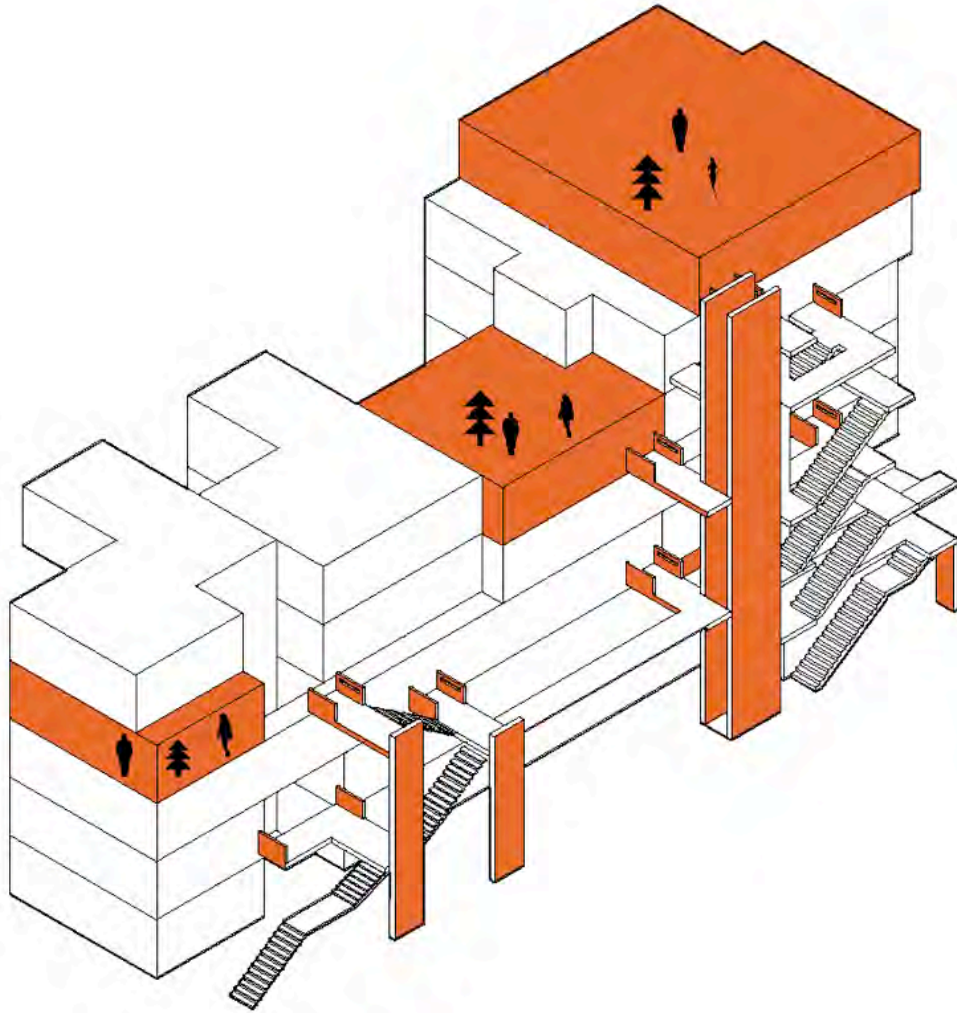
***Love your parks***

***Taxonomy of Shareness***

Scale	Type of Intervention	Level of Shareness
Small	Minimal Intervention	Neighbour
Medium	Program Adaptation	Block
Large	Radical Intervention	City
	Utopic Intervention	Country

**19:00\_24 December\_2052**

It is Christmas. Bruce comes home for dinner and presents



**What if there are no  
buildings anymore?**



***Love is sharing***

***Taxonomy of Shareness***

Scale	Type of Intervention	Level of Shareness
Small	Minimal Intervention	Neighbour
Medium	Program Adaptation	Block
Large	Radical Intervention	City
	Utopic Intervention	Country

4

# Sharing by InEfficiency

Oderberger Straße 56



**Oderbergerstraße 56 - BAR Architekten**

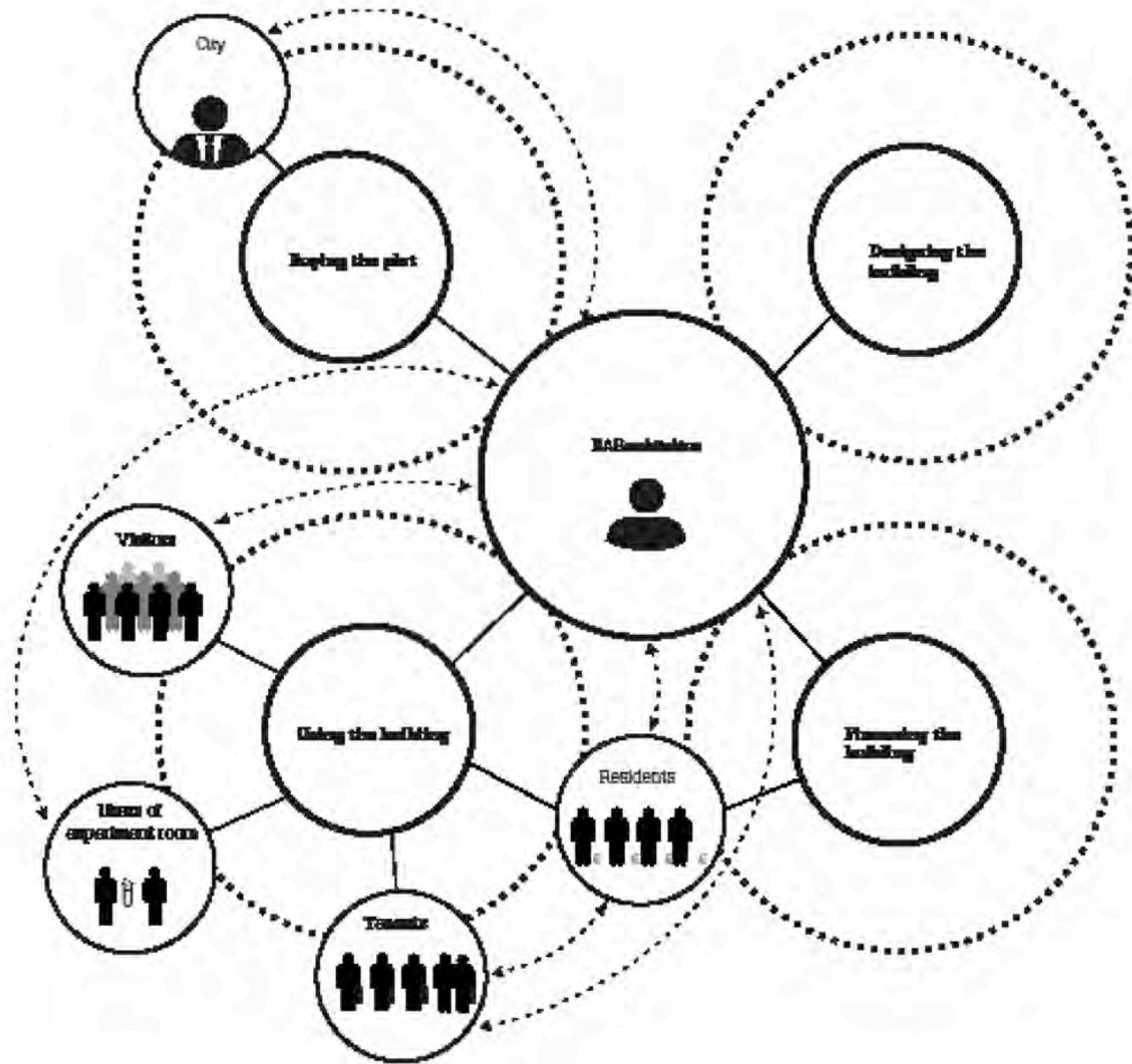


ESPRESSO BAR **SCHÄDELS** RESTAURANT

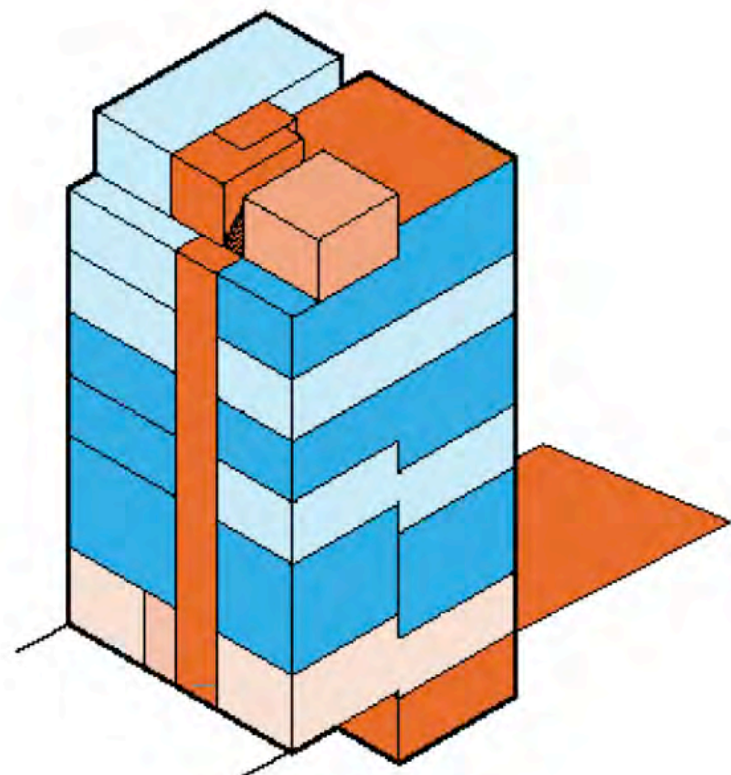
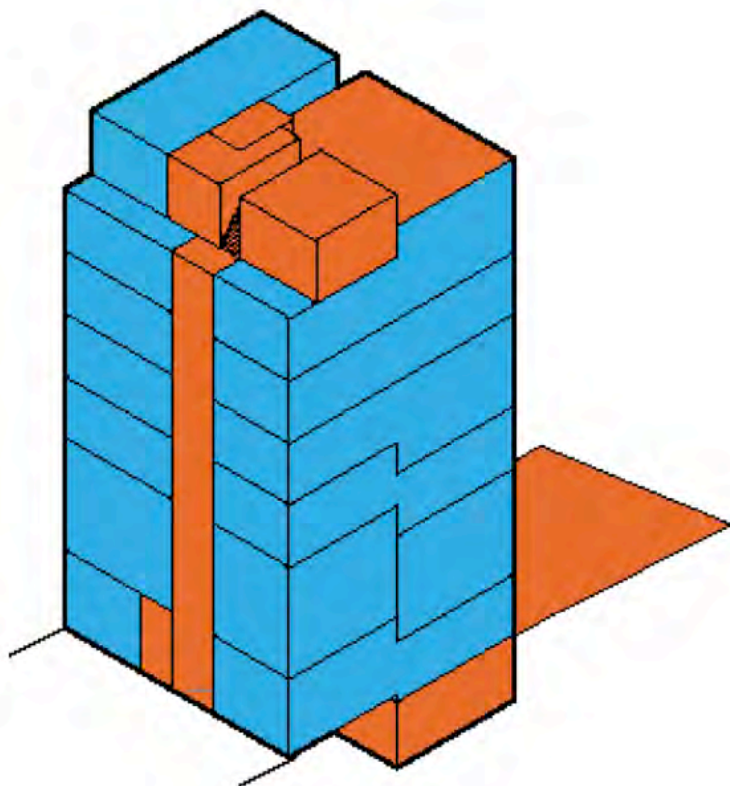
SCHÄDELS  
ESPRESSO BAR RESTAURANT

5h



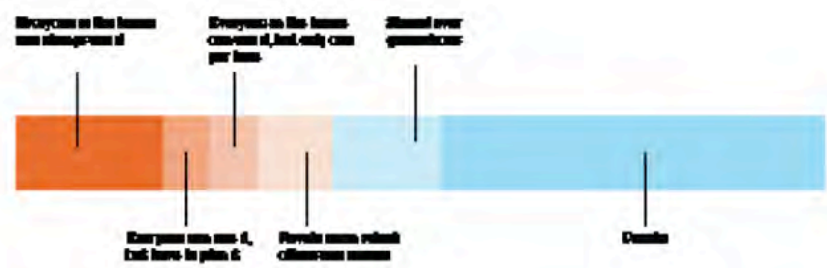


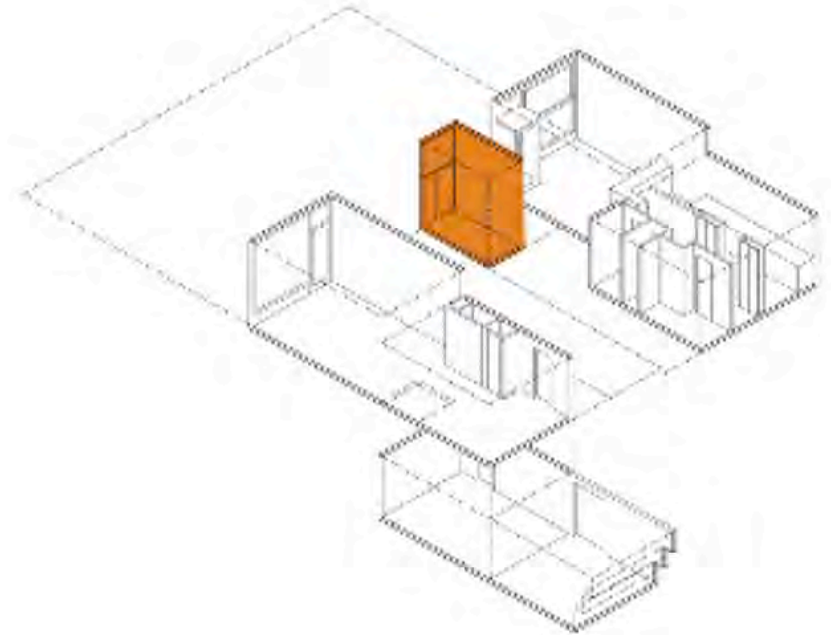
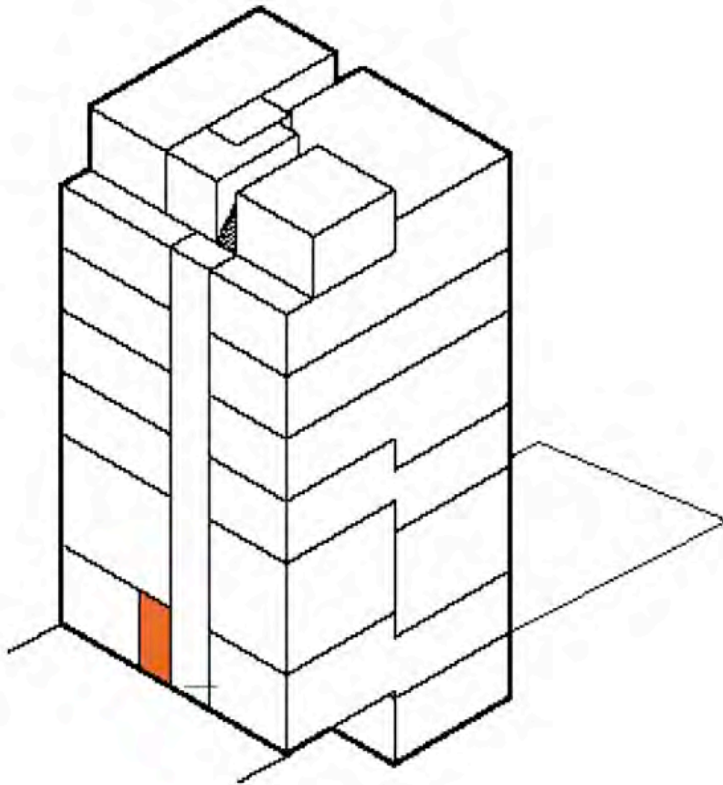




Interior

Exterior





Experiment room is a left over and can be used in different ways.  
> Creating of left-overs as sharing approach.



# **Sharing by Inefficiency**

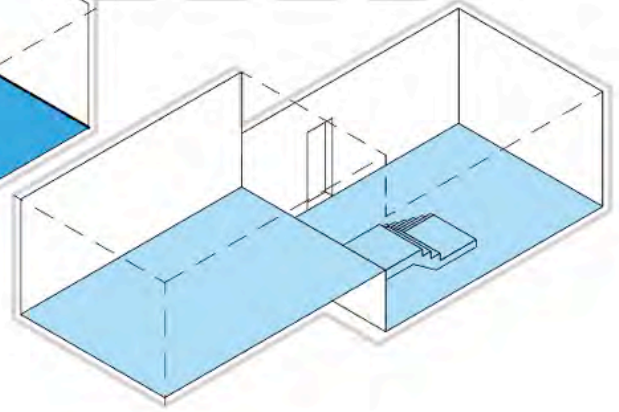
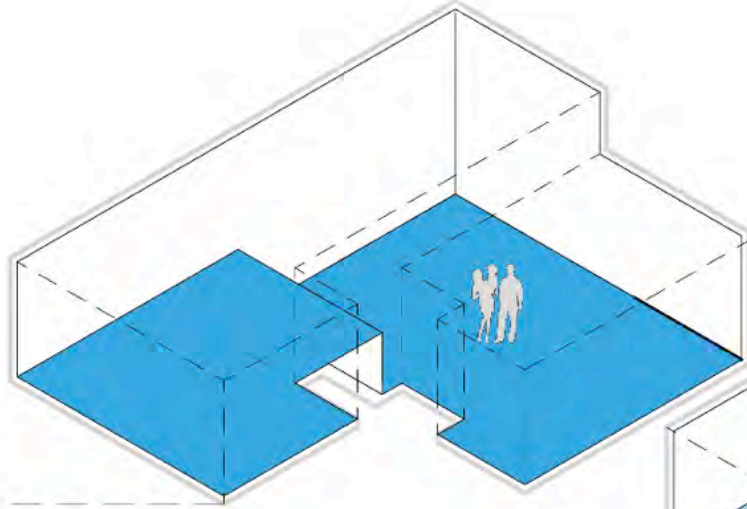
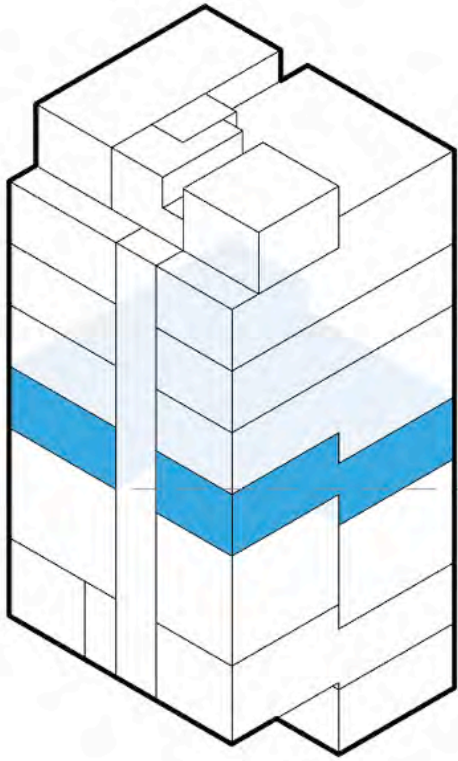


**22 November 2017 11:00**

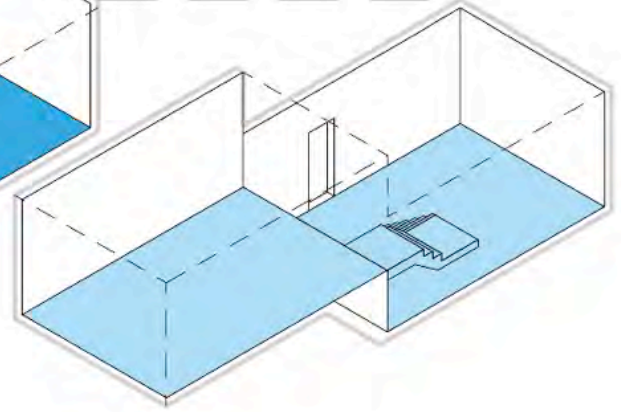
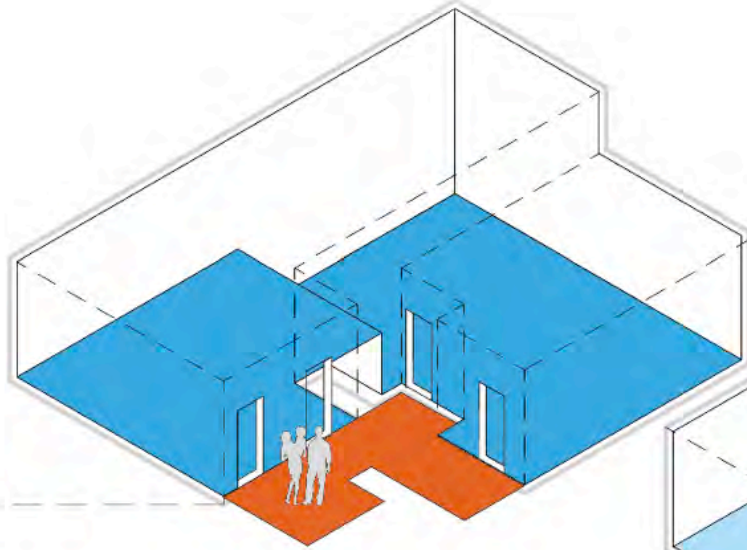
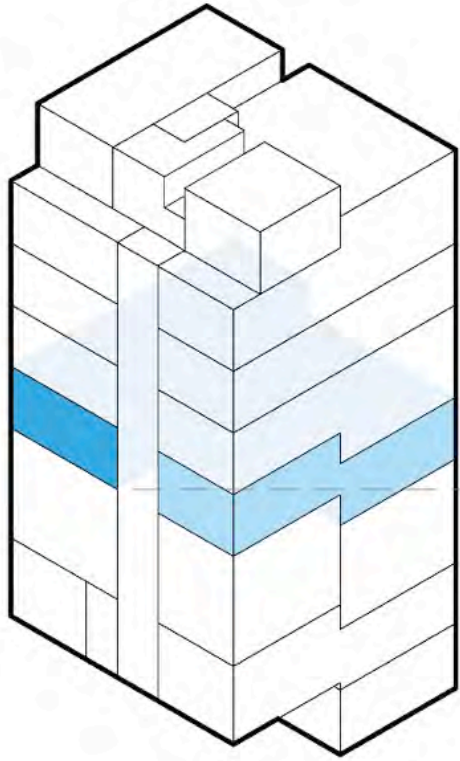
Pablo is born.

Pablo's parents decide to  
use the *Adaptable Space*.



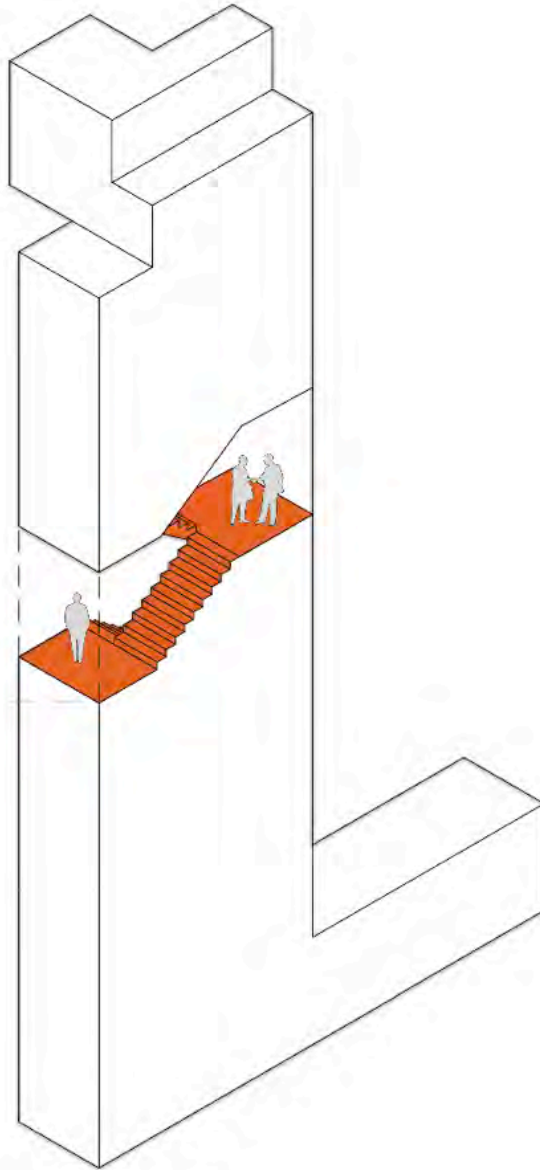
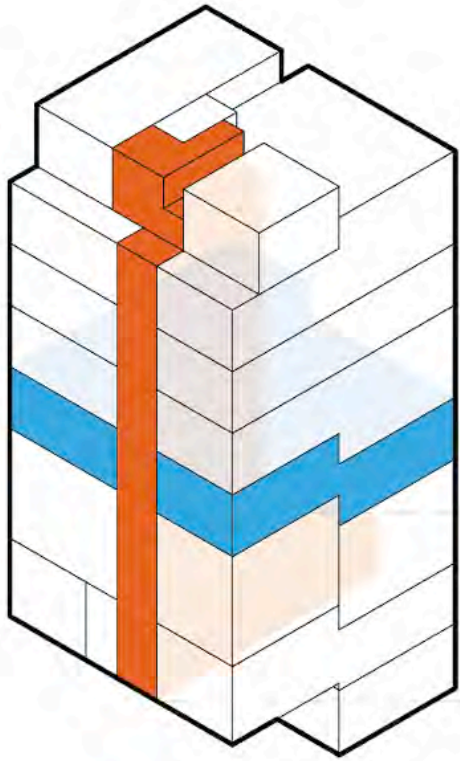


**What if there are no doors  
within the apartment?**

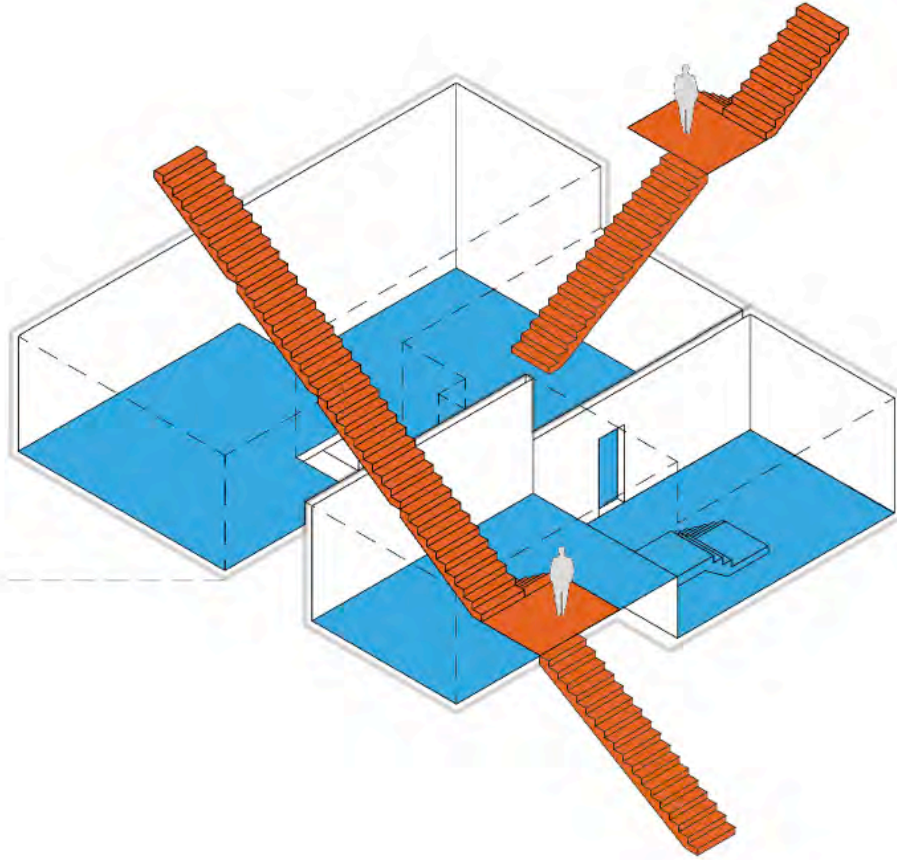
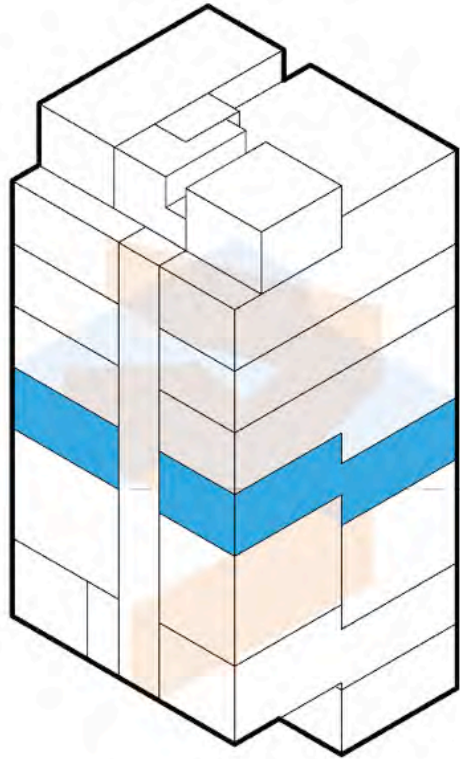


**22 November 2017 15:17**

Pablo's father receives  
congratulations from the  
neighbour.



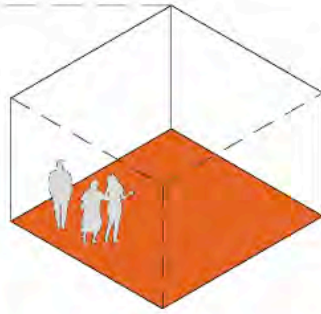
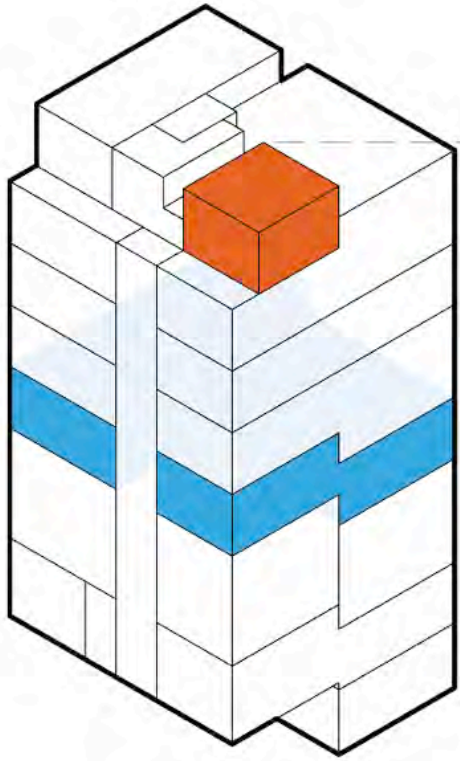
**What if the Staircase goes  
through the appertments?**



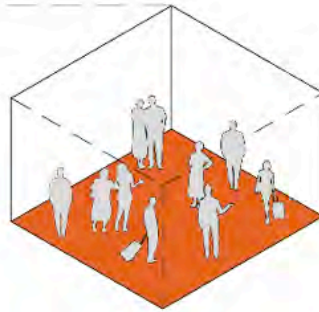
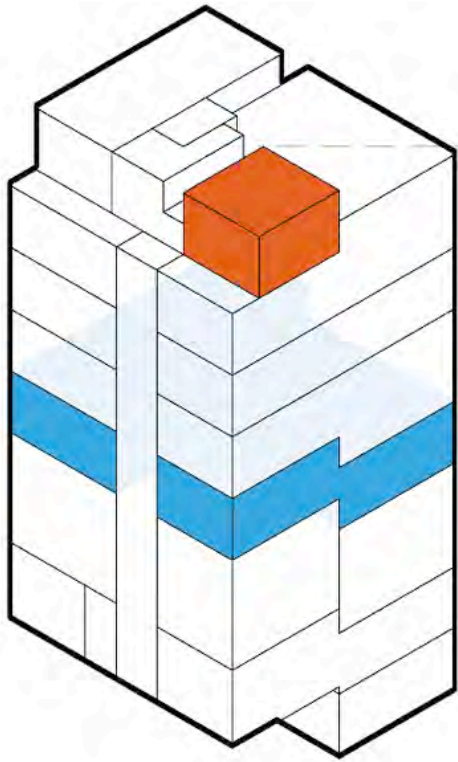
**2 December 2017 17:00**

Pablo's grandparents come  
visit Pablo and stay in the  
Guest House.





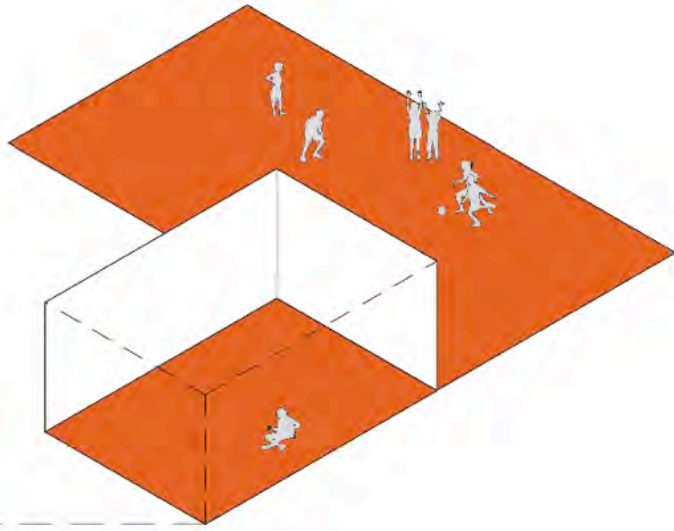
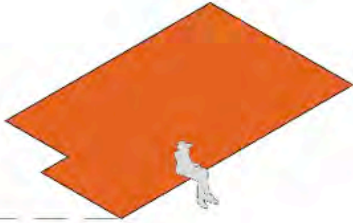
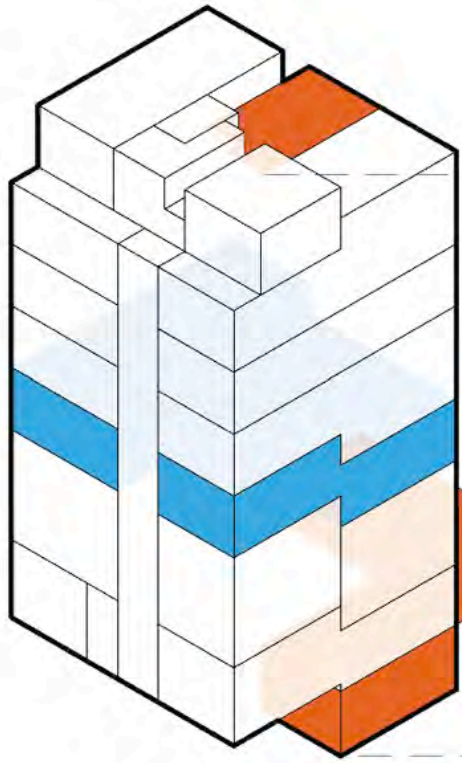
**What if there is no calendar  
for booking the guesthouse?**



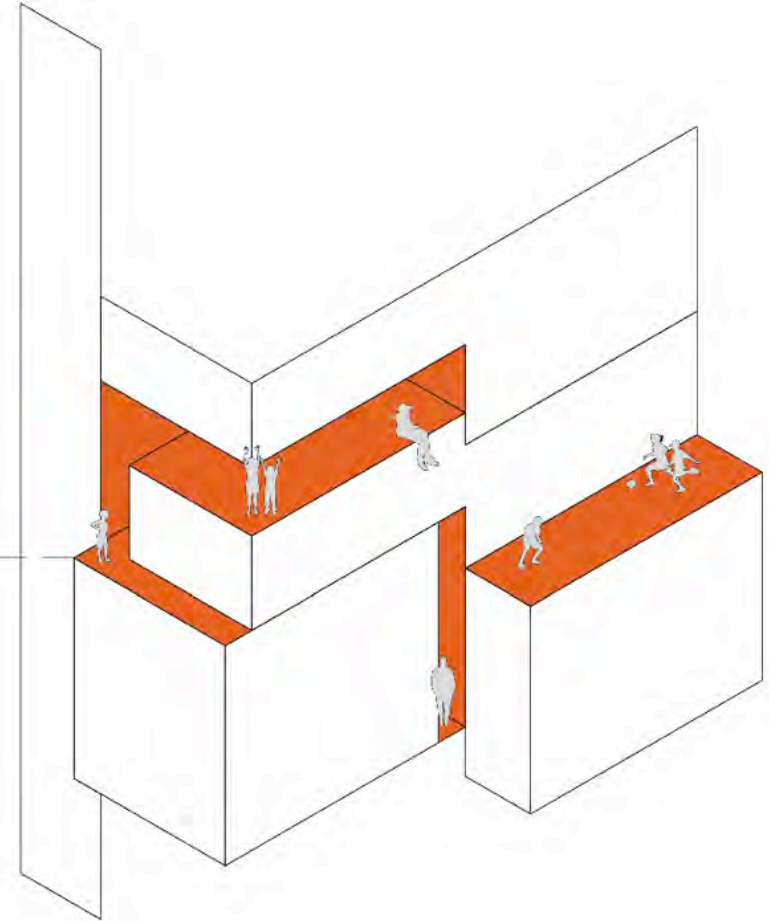
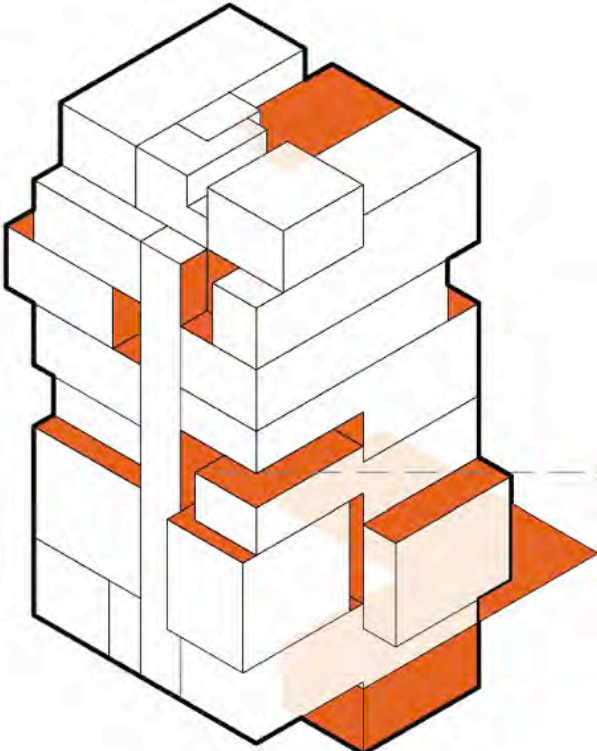
**5 July 2020 11:20**

Pablo plays soccer with friends in the Garden.

Pablo's sister plays piano in the Music Room. Pablo's father drinks a beer on the Roof Terrace with friends.



**What if Tetris had failed?**

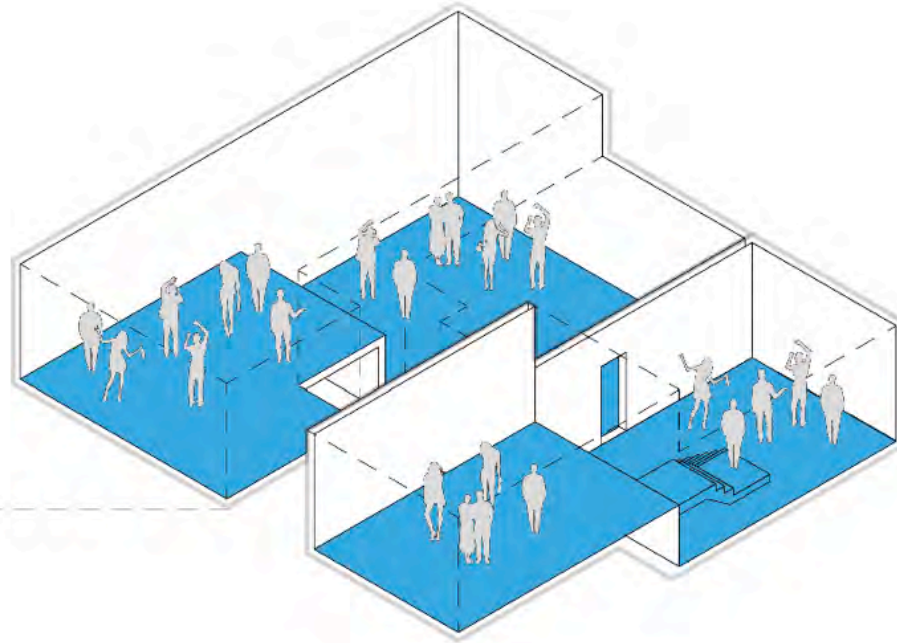
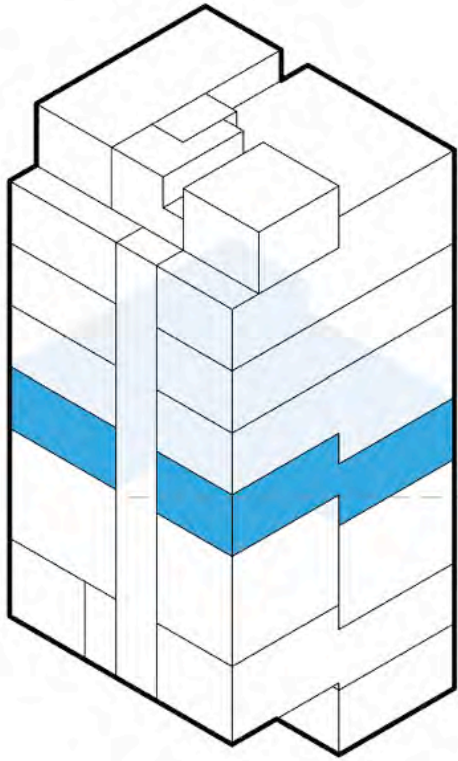


**1 September 2035 9:00**

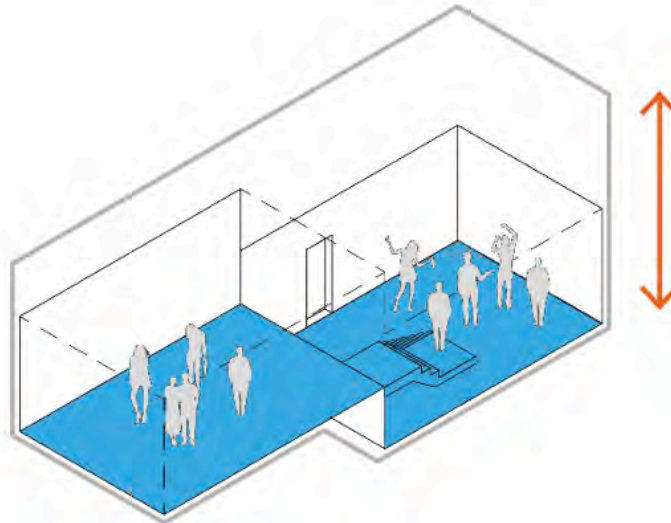
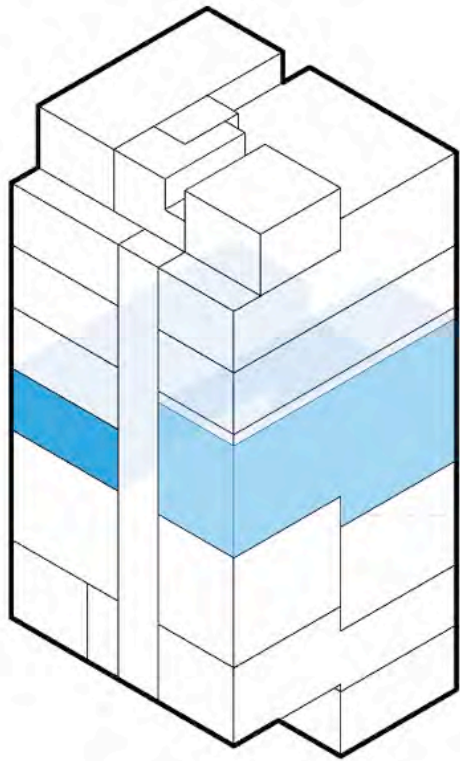
Pablo turns 18 and throws a house party to celebrate.

Pablo moves out to go to art school.



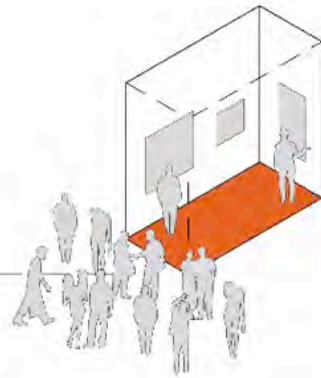
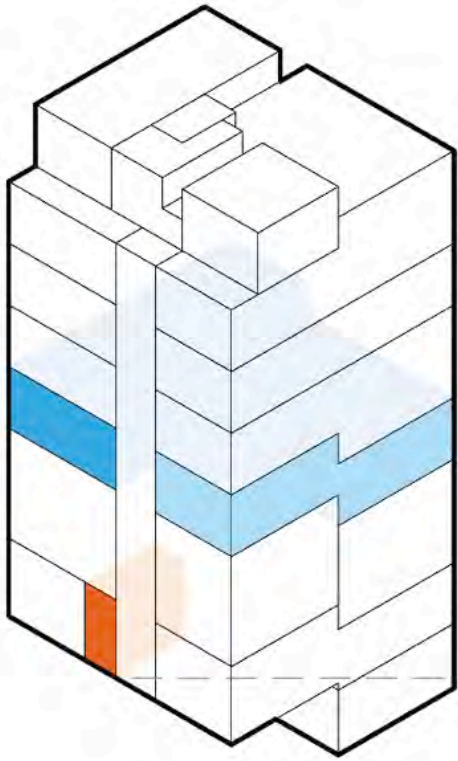




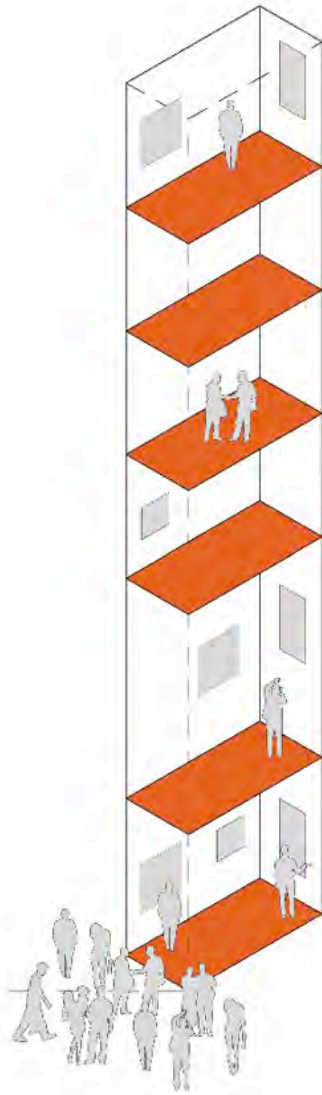
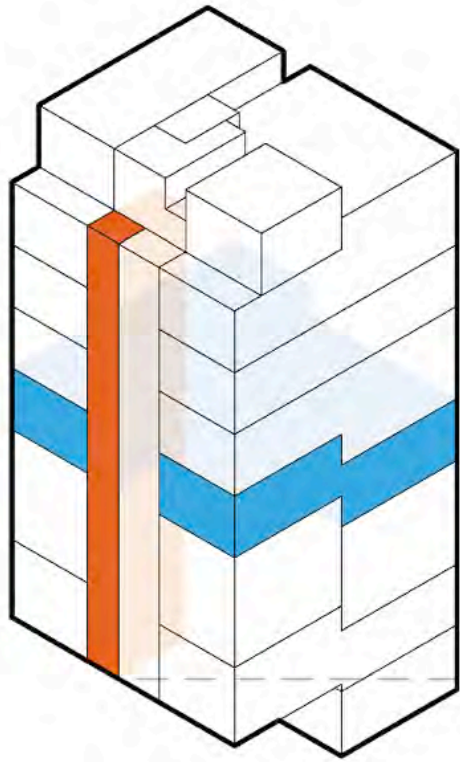


**22 November 2045 20:00**

Pablo gets exhibited at the gallery in the Experiment Room.



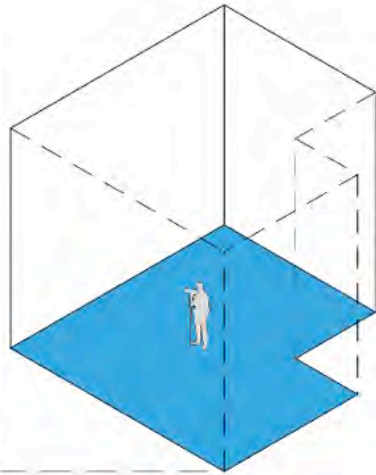
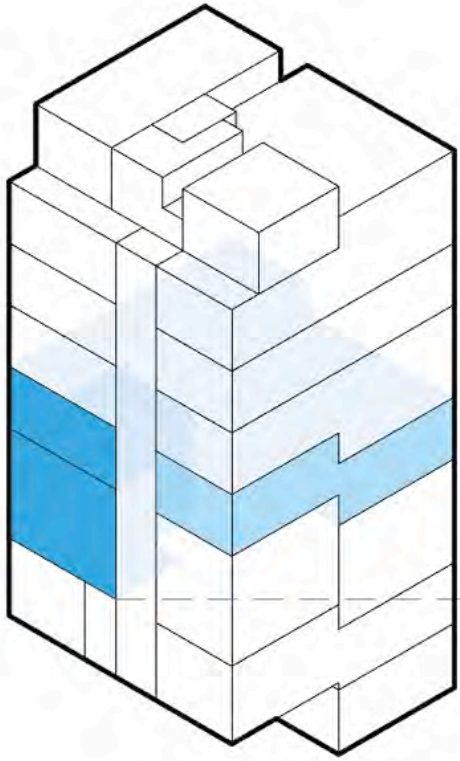
**What if the experiment  
room extends?**



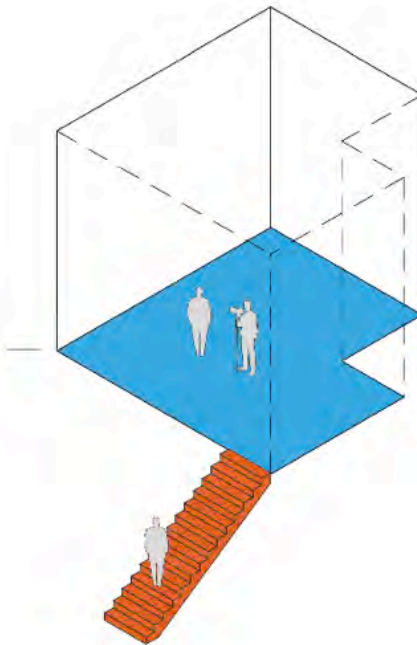
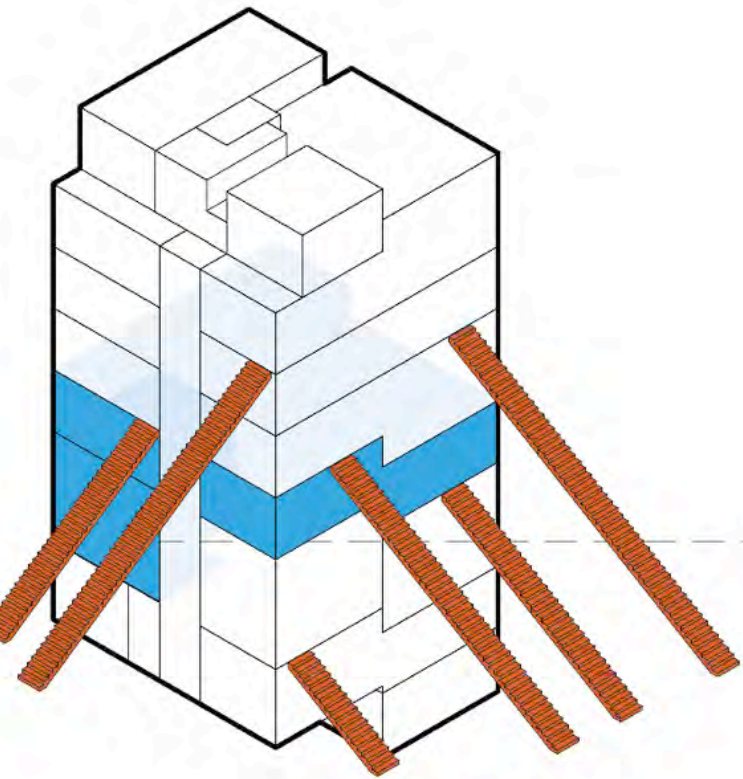
**14 July 2046 09:30**

Pablo hires a Studio Space  
to house his art atelier.



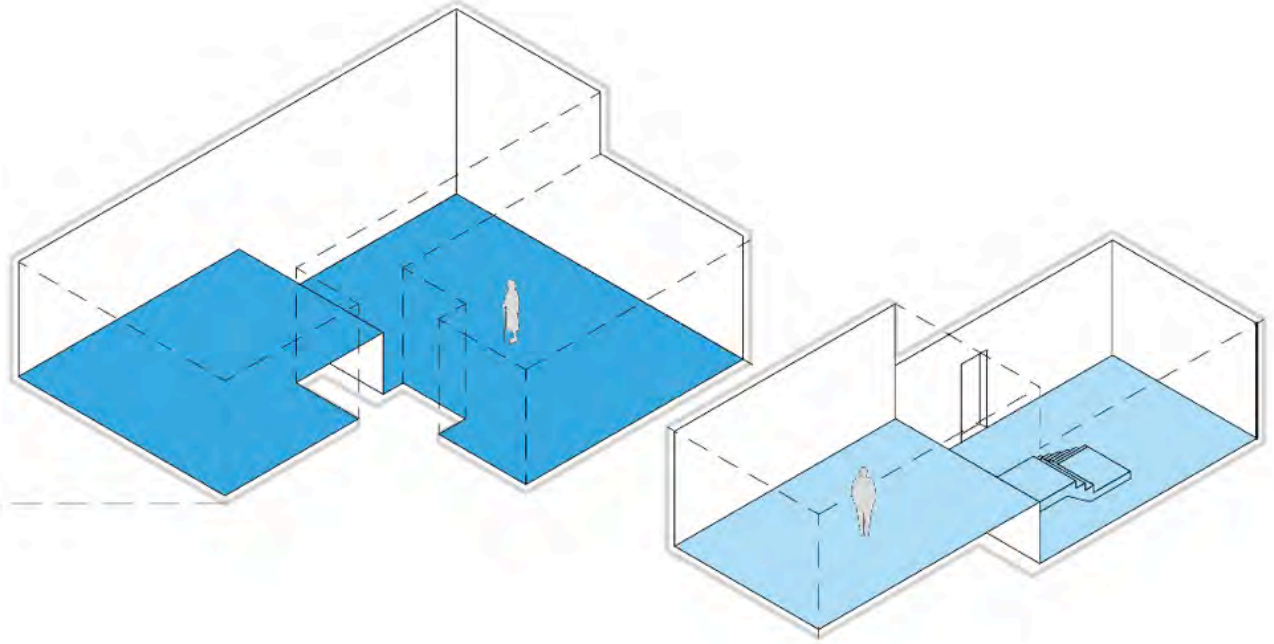
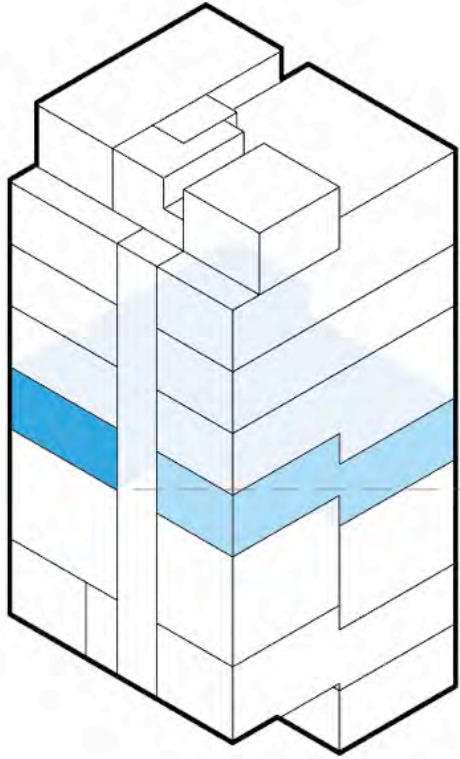


**What if every part gets its  
own staircase?**

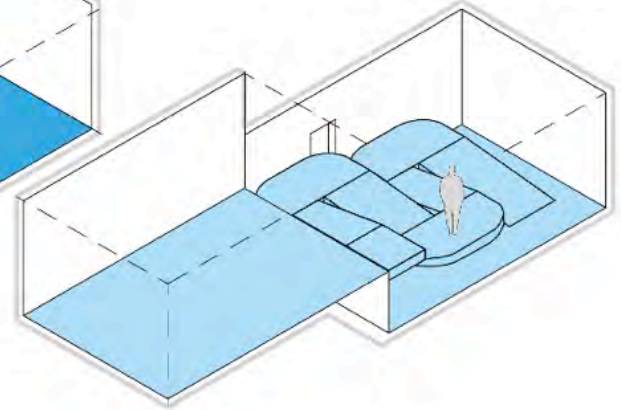
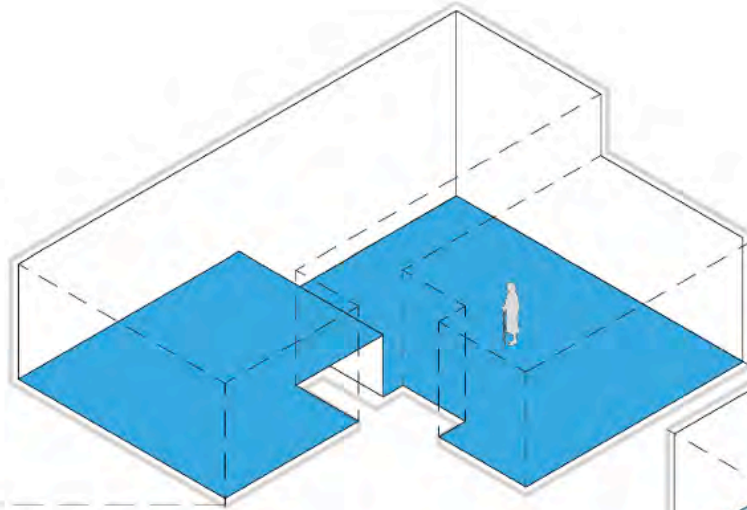
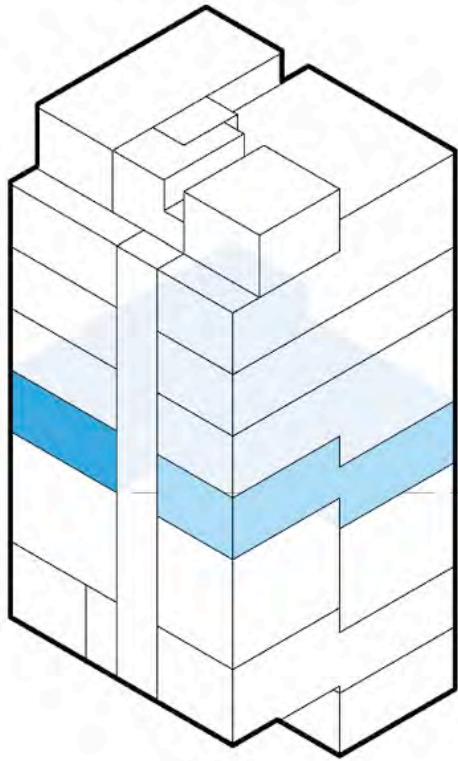


**10 February 2046 20:00**

Pablo moves back in  
because art doesn't pay.  
And to take care of his ill  
mother.



**What if all staircases  
were ramps?**

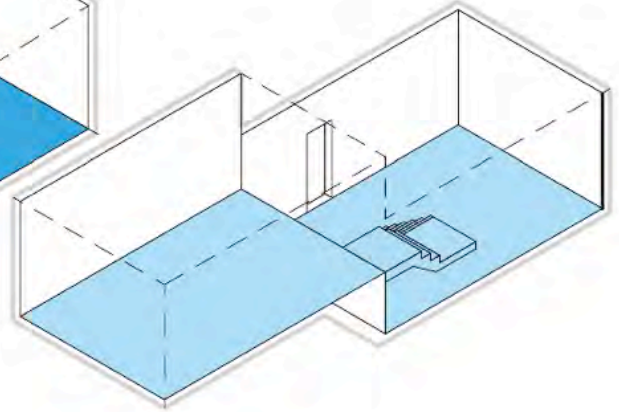
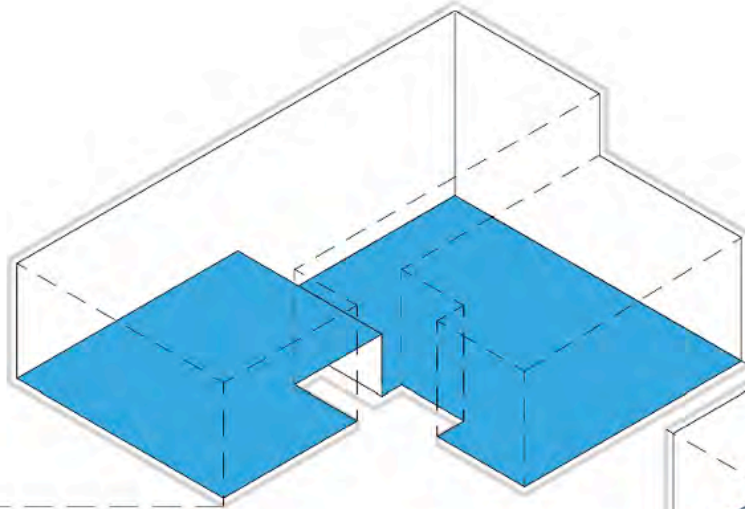
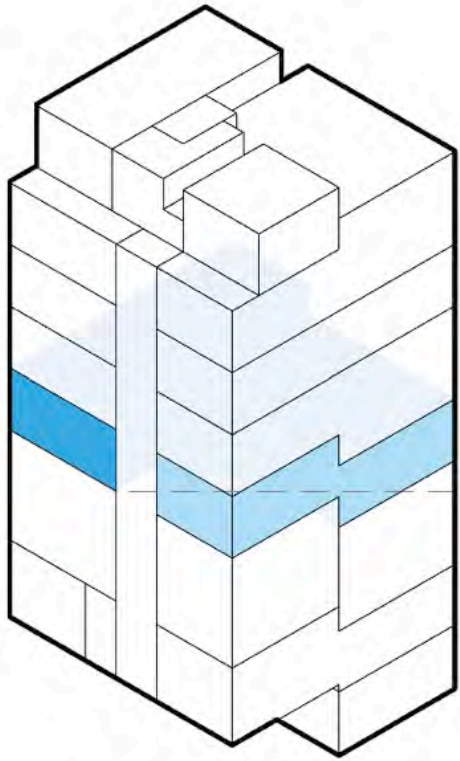


**9 October 2070 08:00**

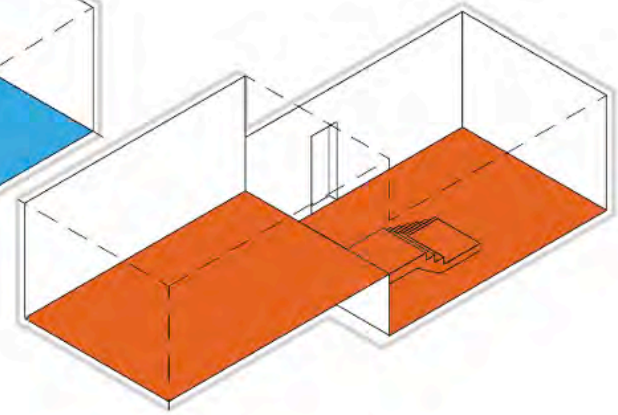
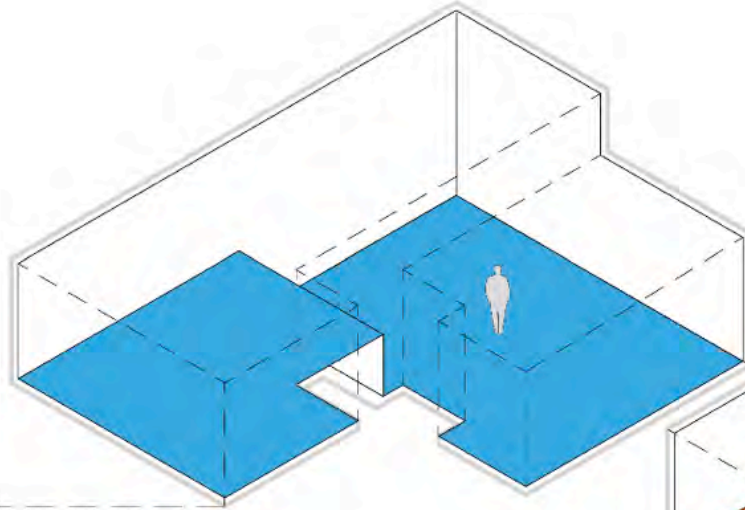
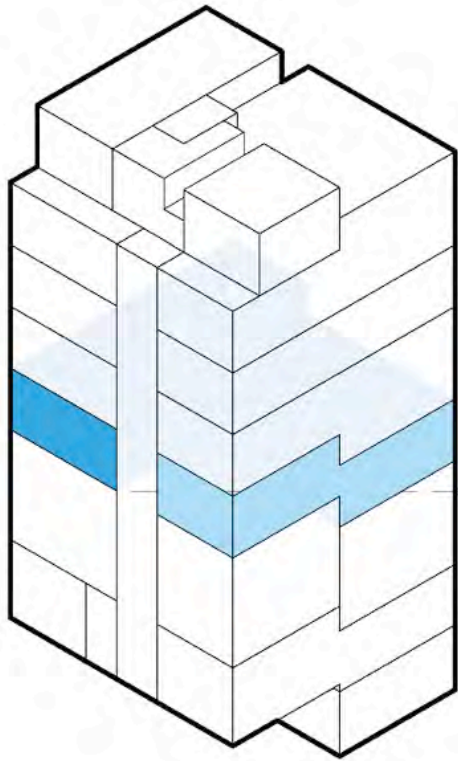
Pablo's mother moves to a nursing home. Pablo lives alone in the house.

Pablo passes away.





**What if the unused part  
of the apartment stays  
without programme?**



5

Sharing by ANONYMITY

Stasi Headquarters - Lichtenberg

# STASI

The purpose of the STASI-headquarter was the total elimination of anonymity of the people of the DDR.

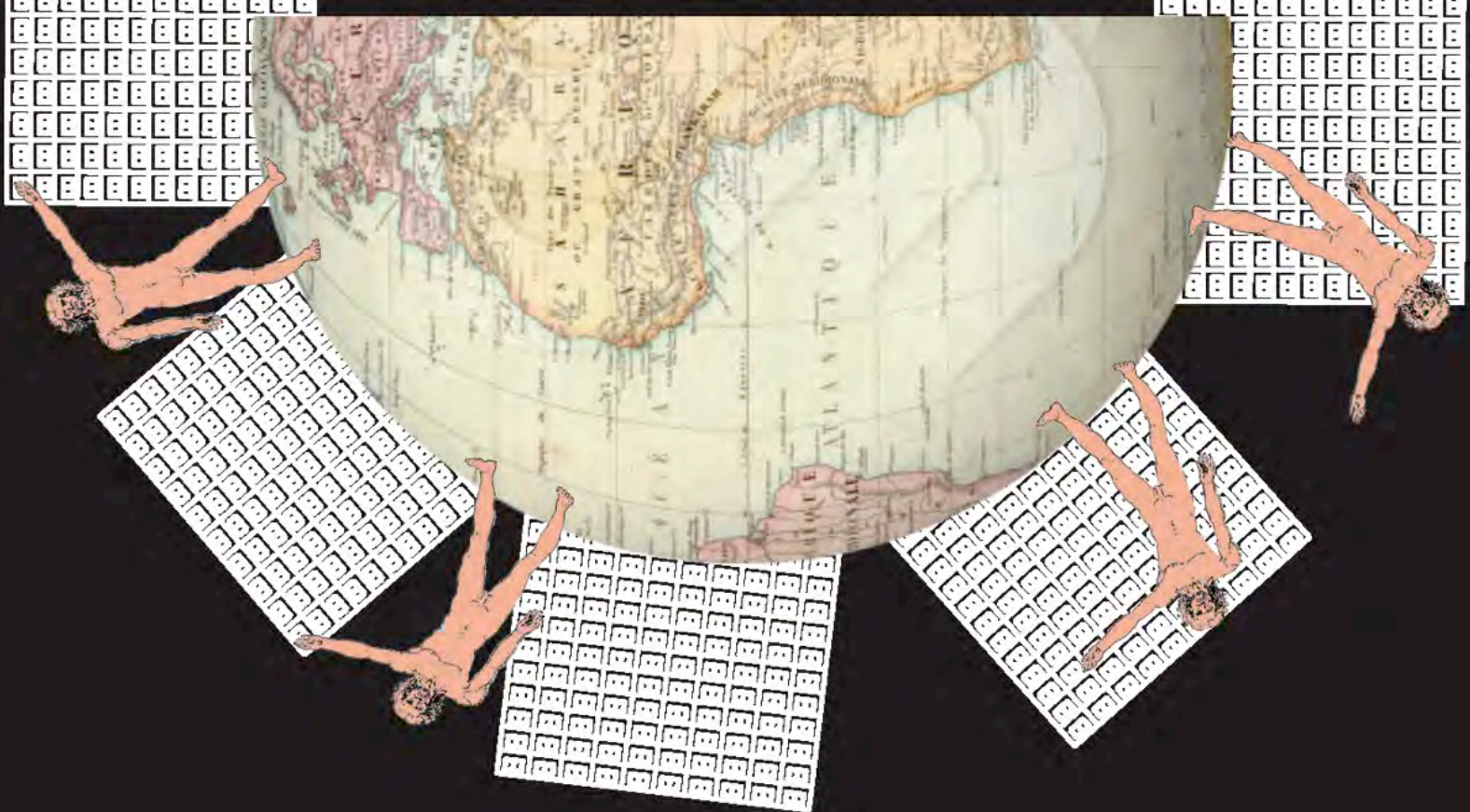
However, even with changing program over time, the users of the headquarter were subject of high anonymity within this mega-structure.

Based on this principle, we developed scenarios in which anonymity becomes an asset for different future users of the STASI-headquarter

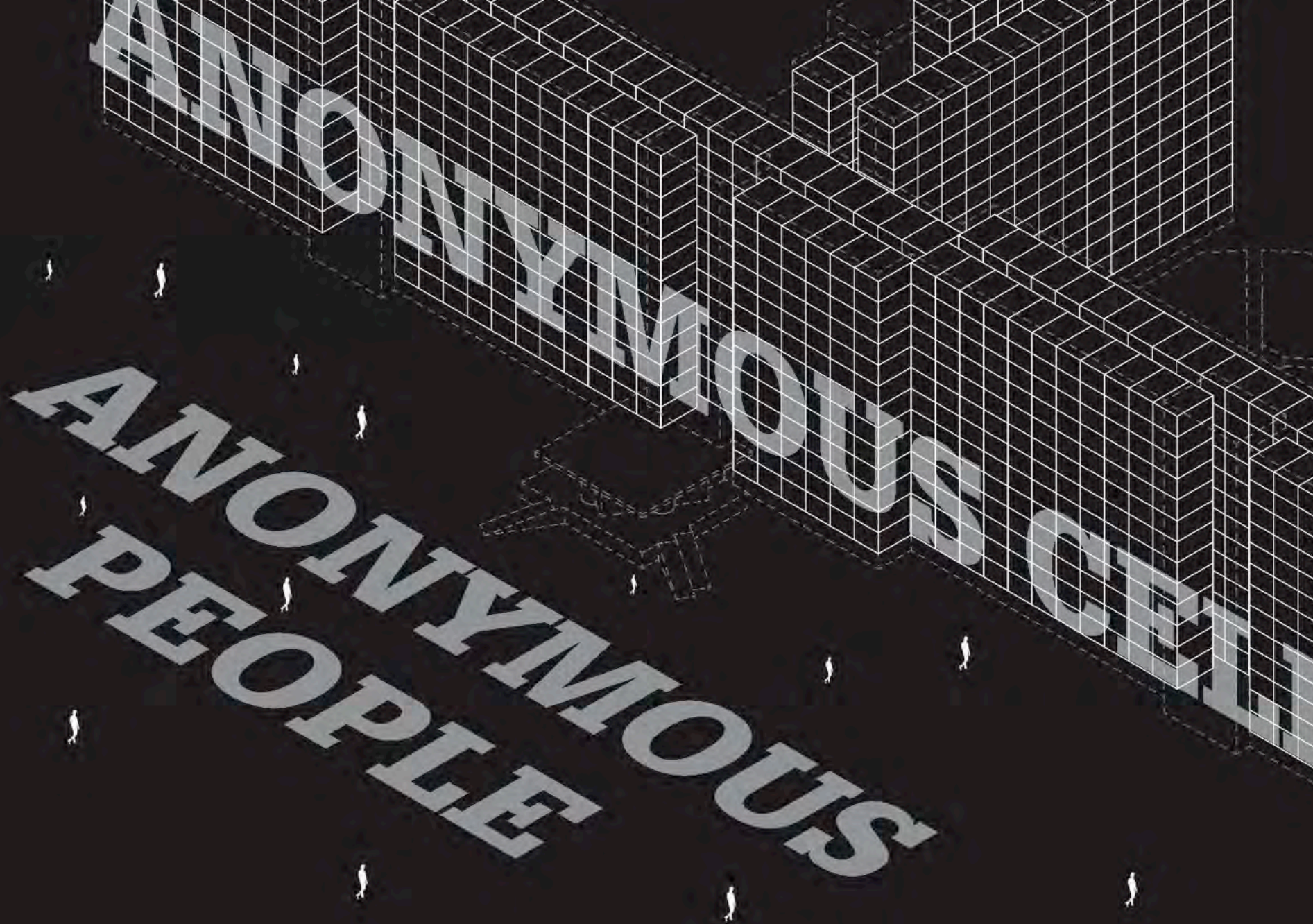




-







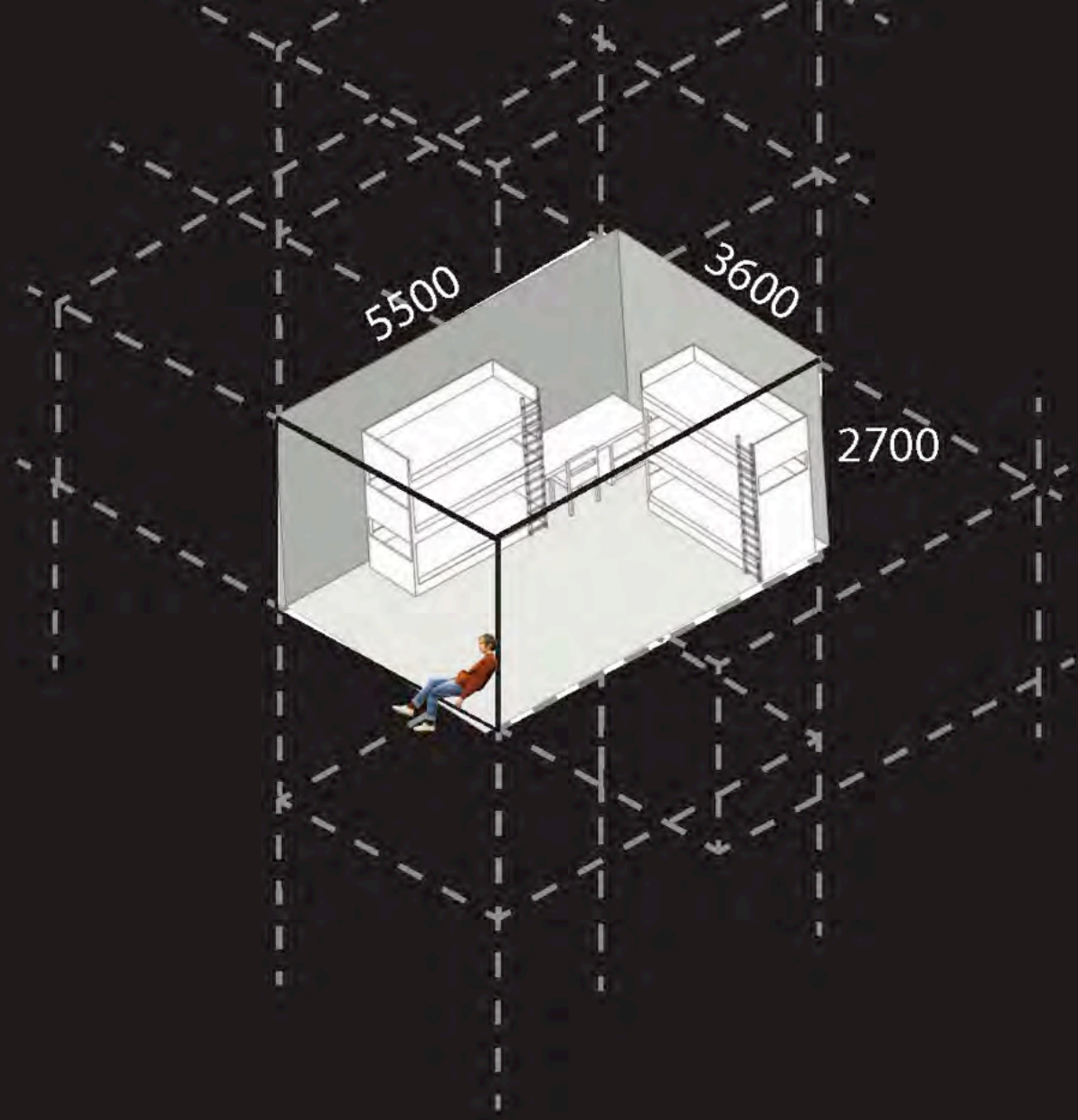
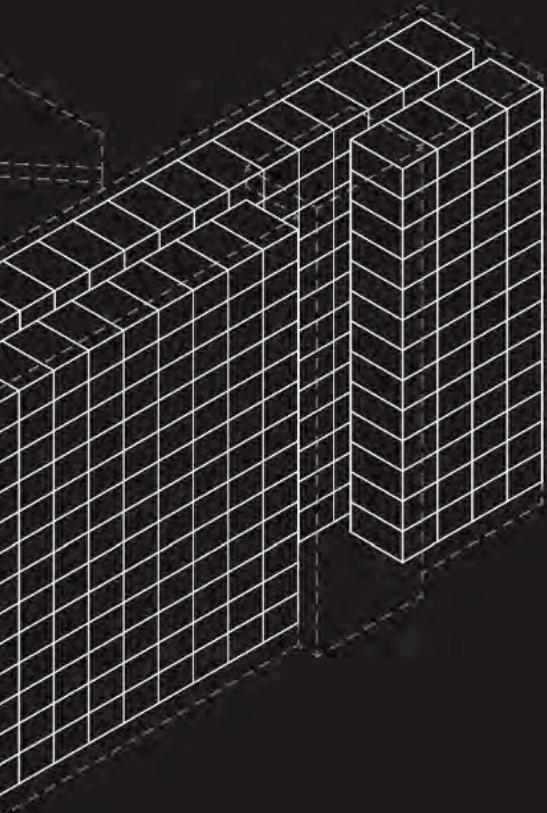
ANONYMOUS

ANONYMOUS

ANONYMOUS

ANONYMOUS

ANONYMOUS  
PEOPLE



5500

3600

2700

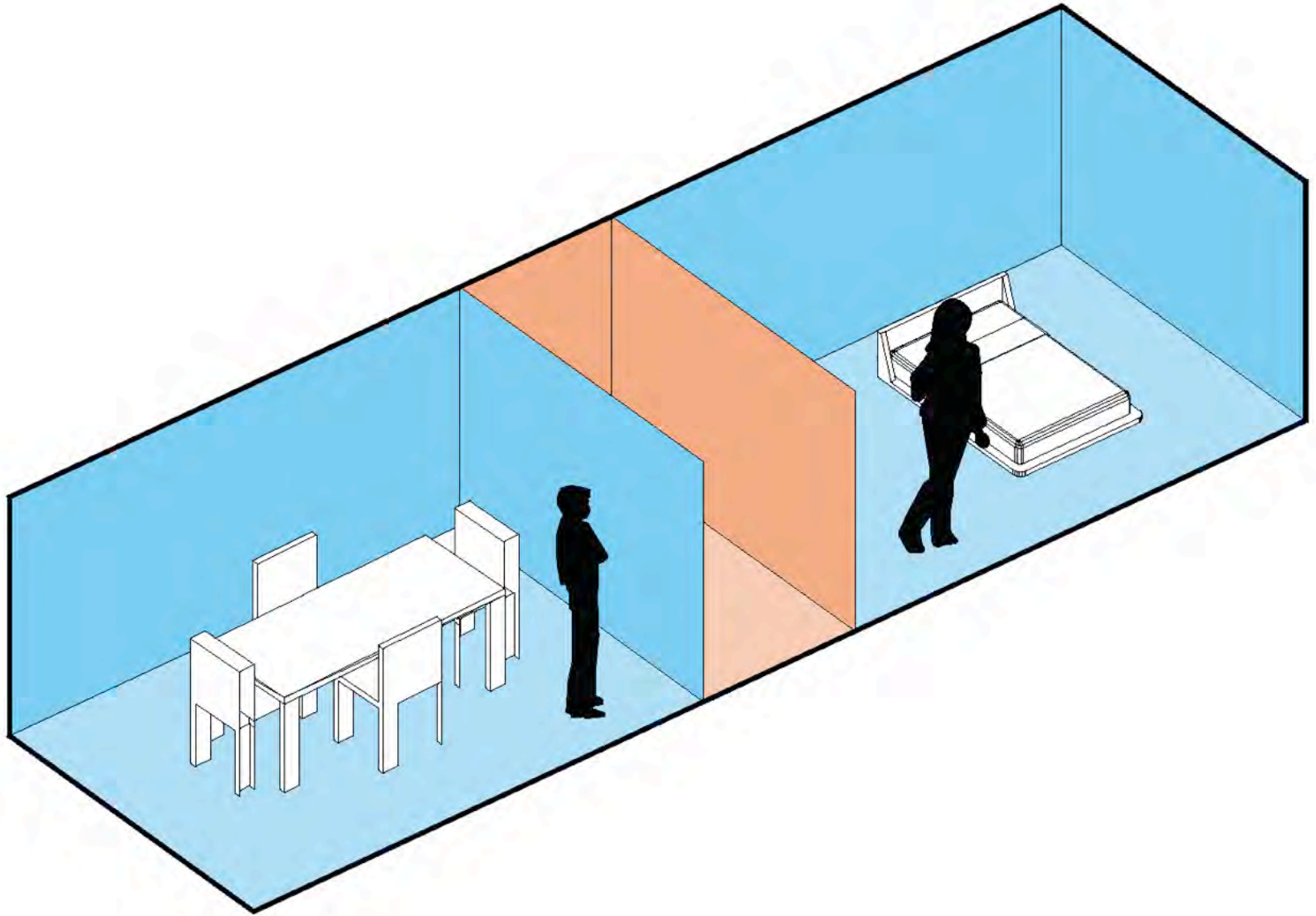
# **Sharing by Anonymity**

SHARING BY  
ANONYMITY

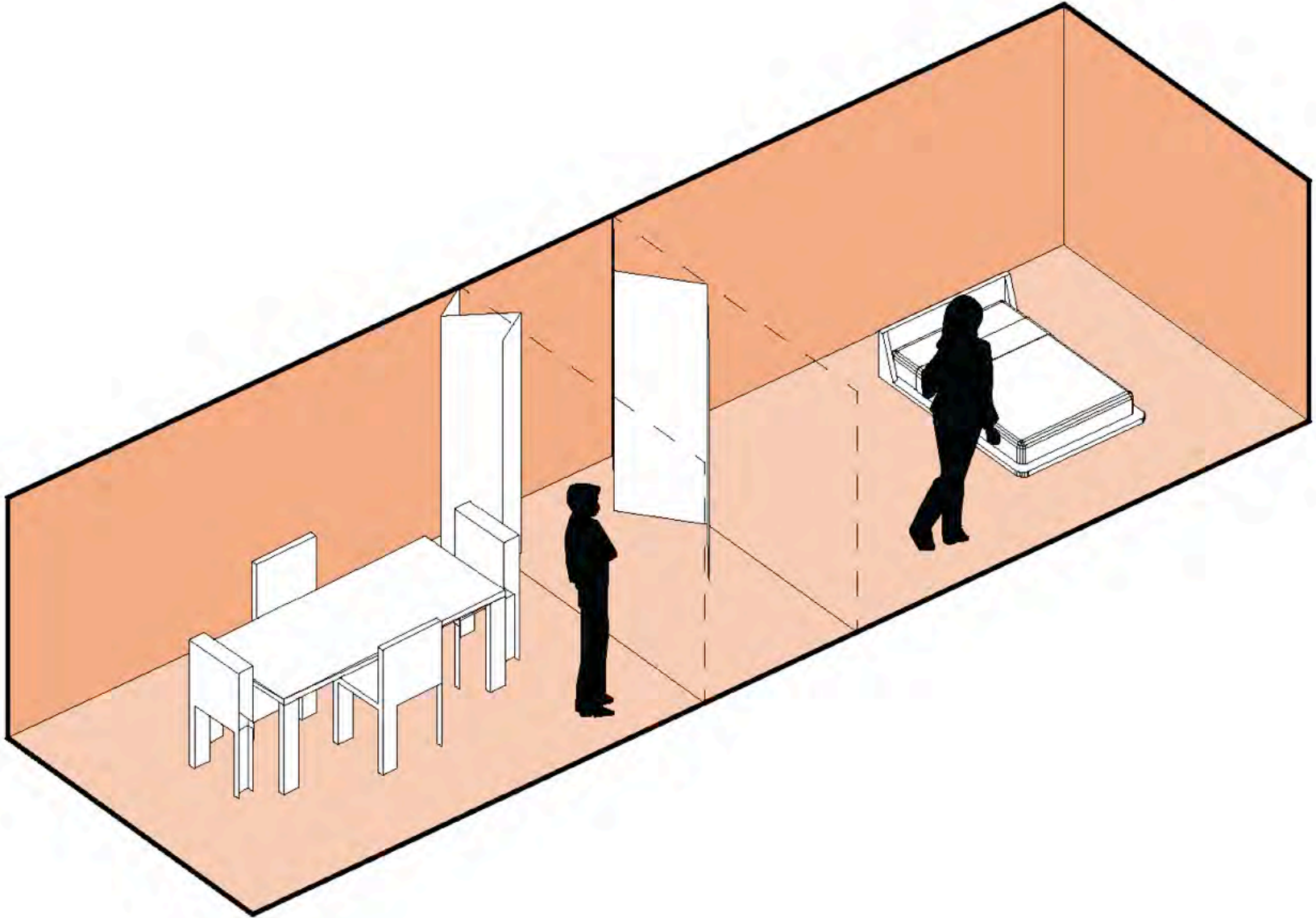


**09:23**

Two neighbours match on Tinder.



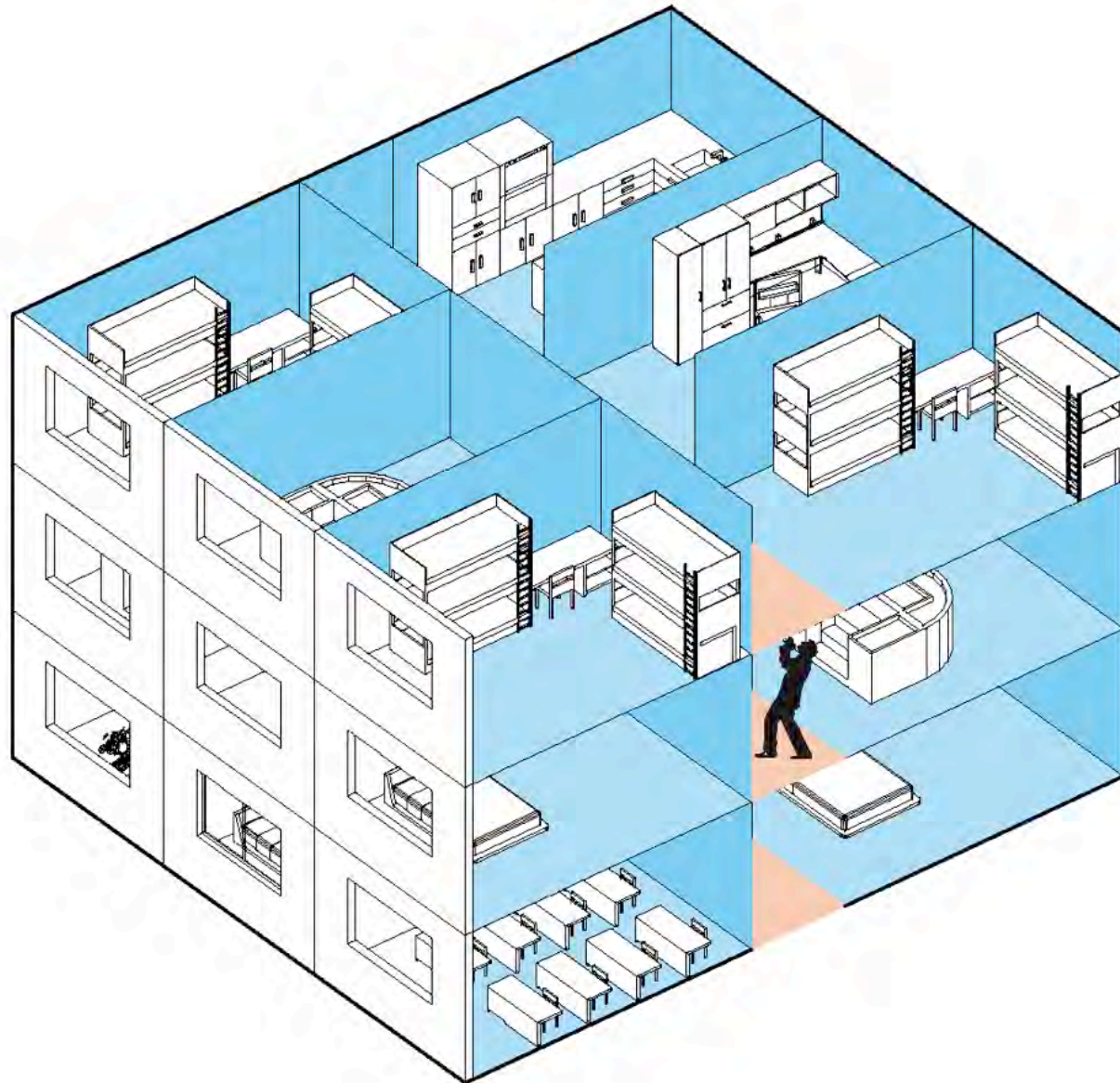
**What if spaces get larger  
when people connect?**



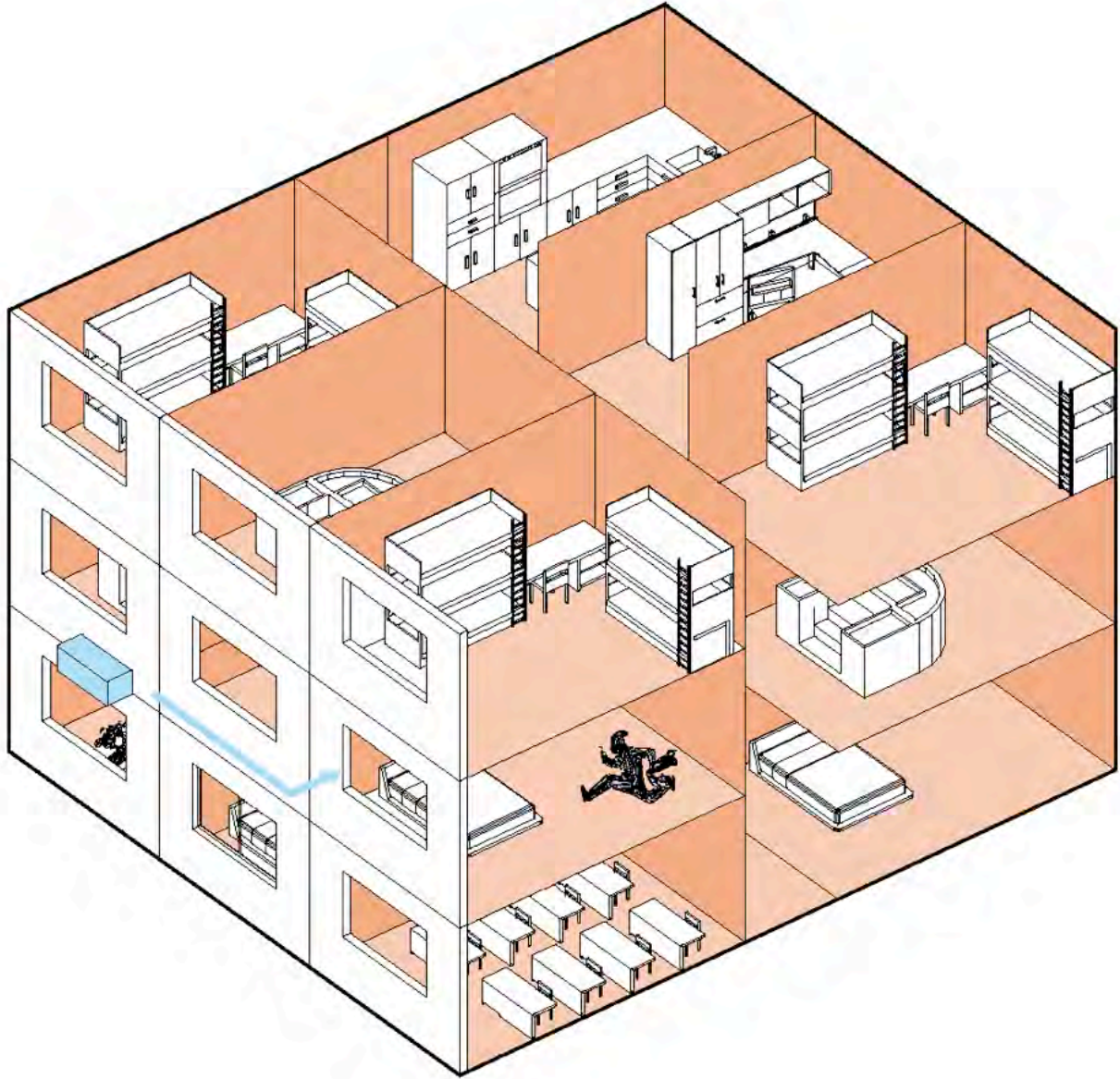


**09:23**

A drunk person has forgotten  
which room was his.

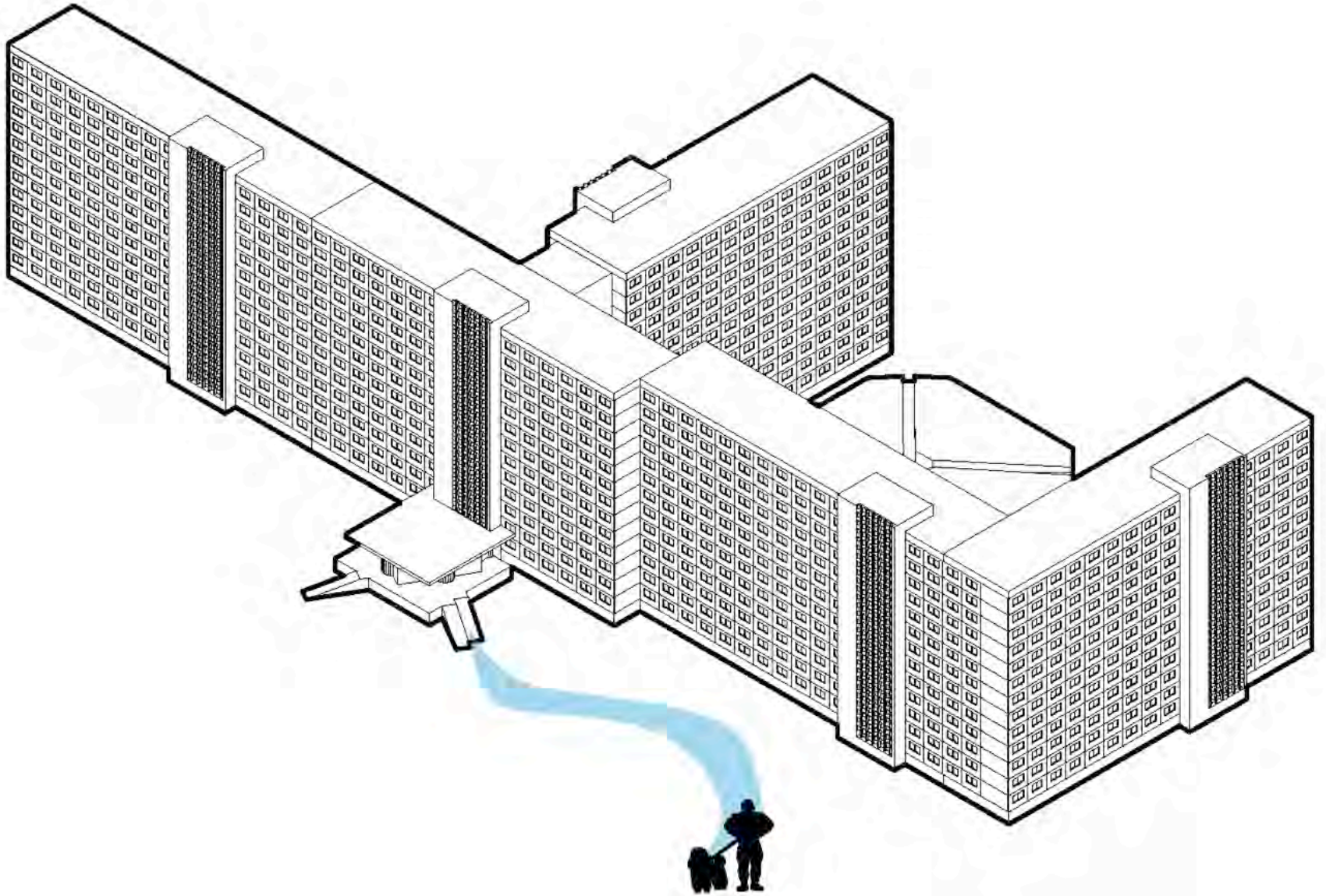


**What if possessions followed  
their owners?**

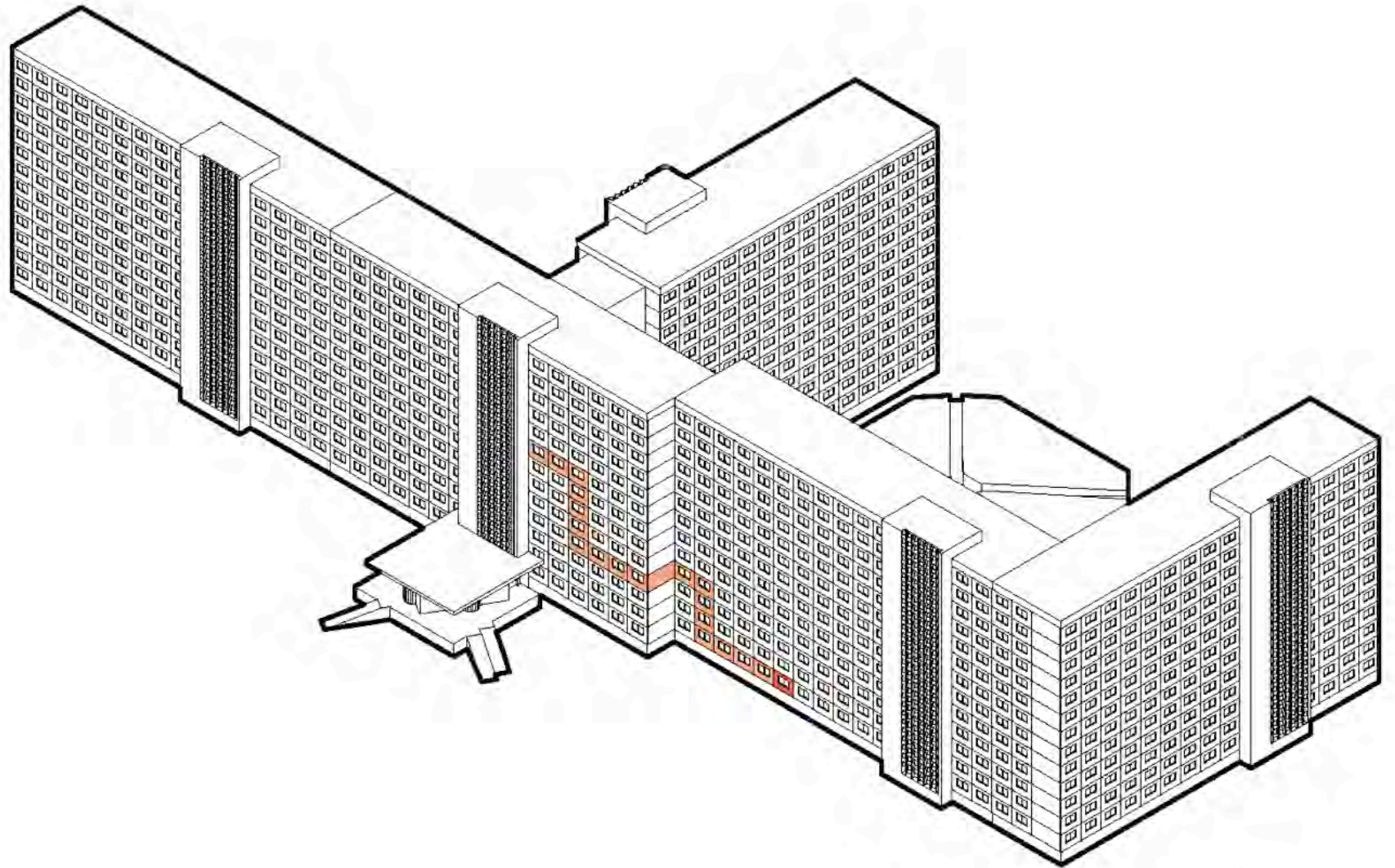


**09:23**

The bodybuilder's poodle needs a groom.



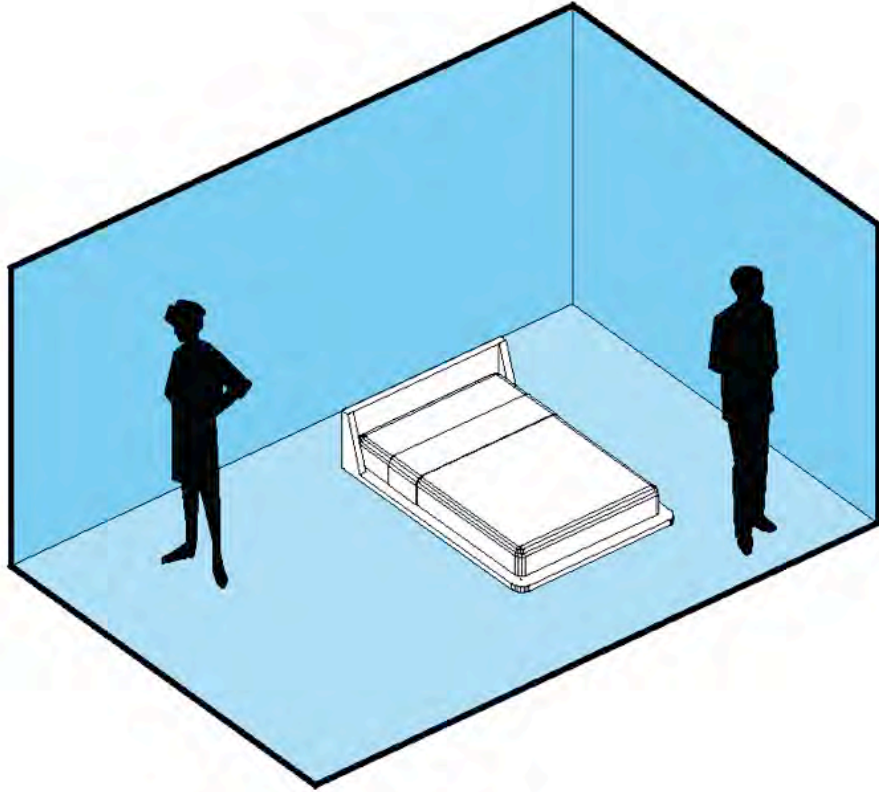
**What if the building  
contains a city?**



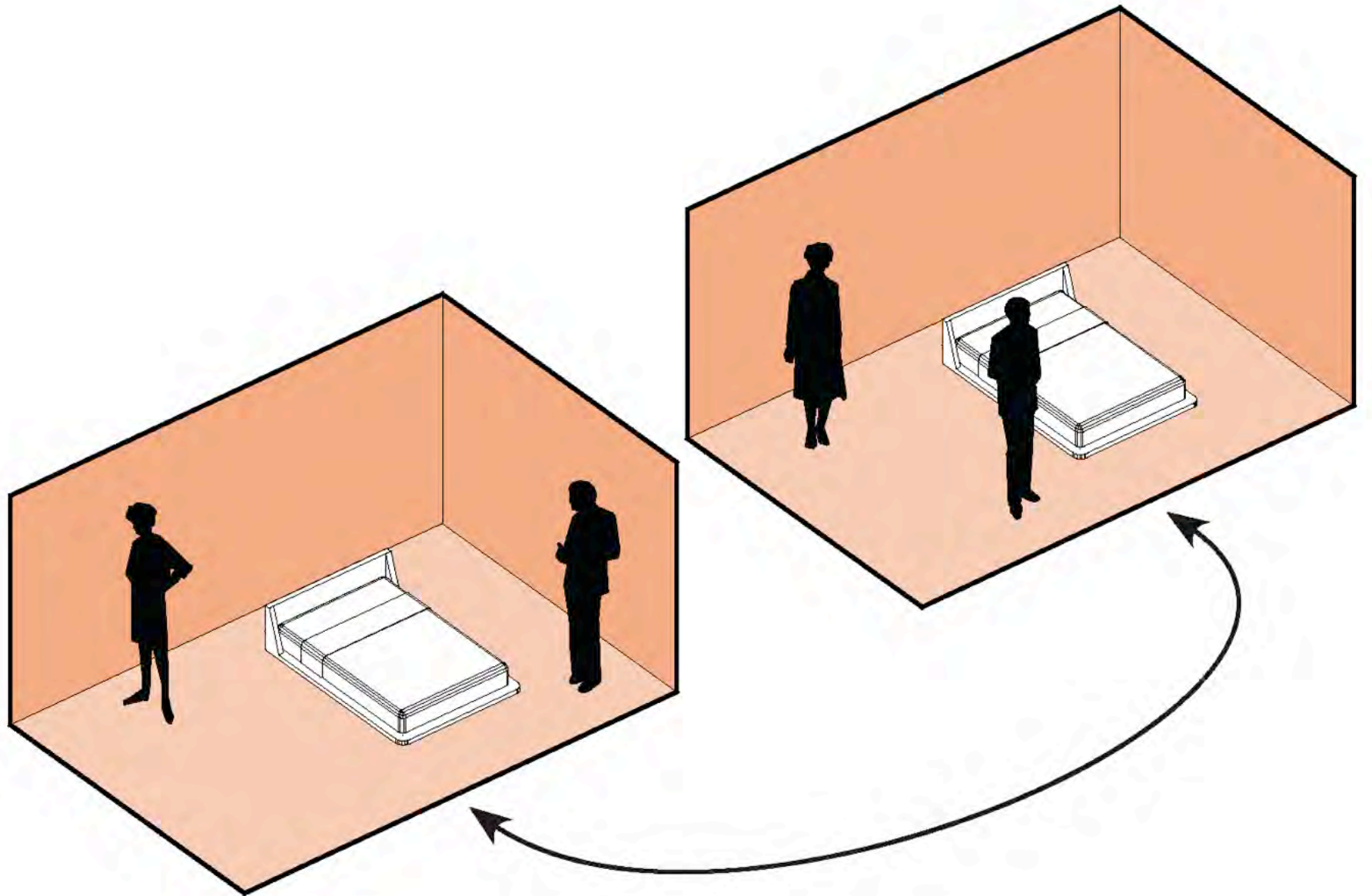


**09:23**

Two flatmates realise their  
mistake the next morning.

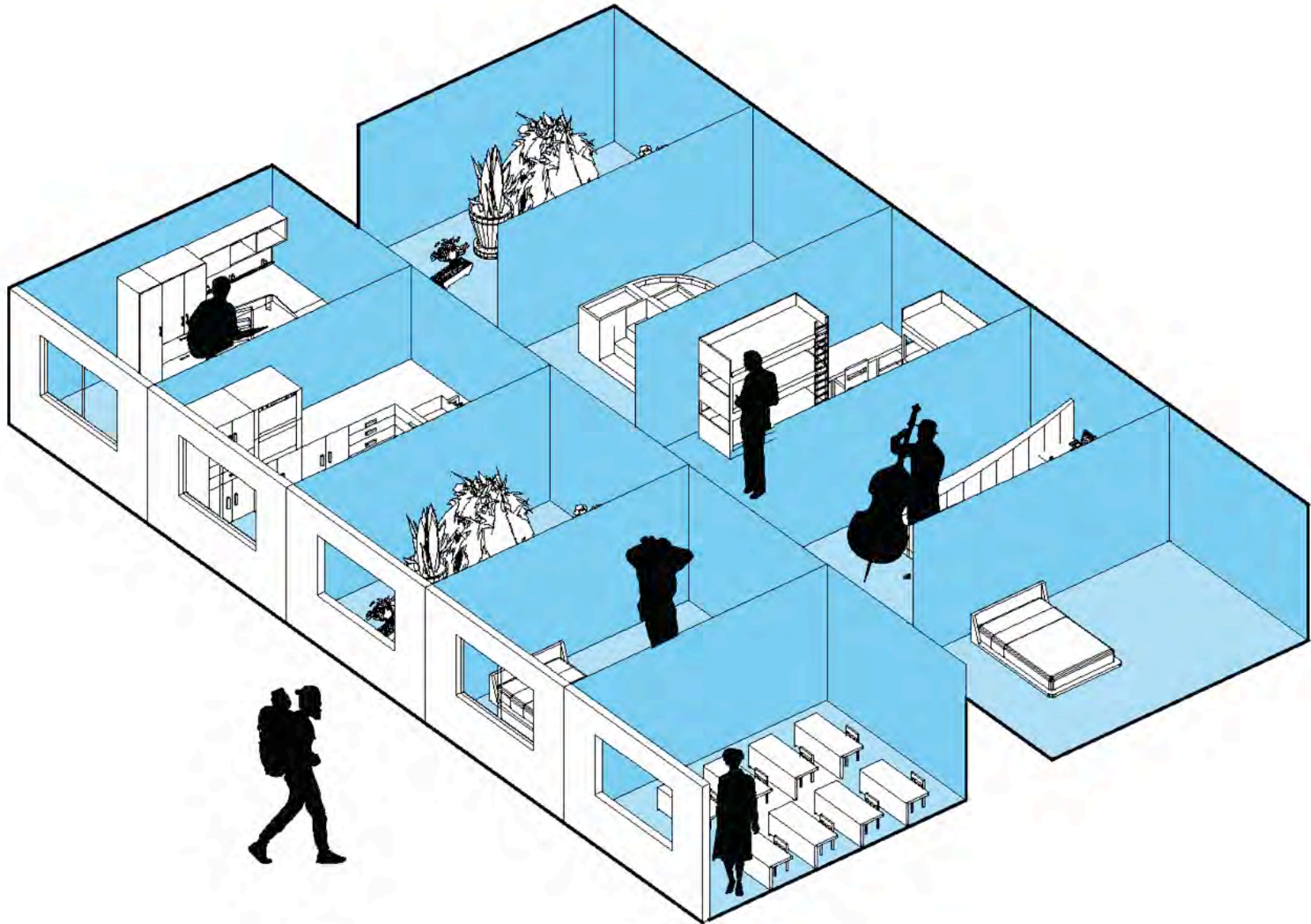


**What if flatmates never  
meet twice?**

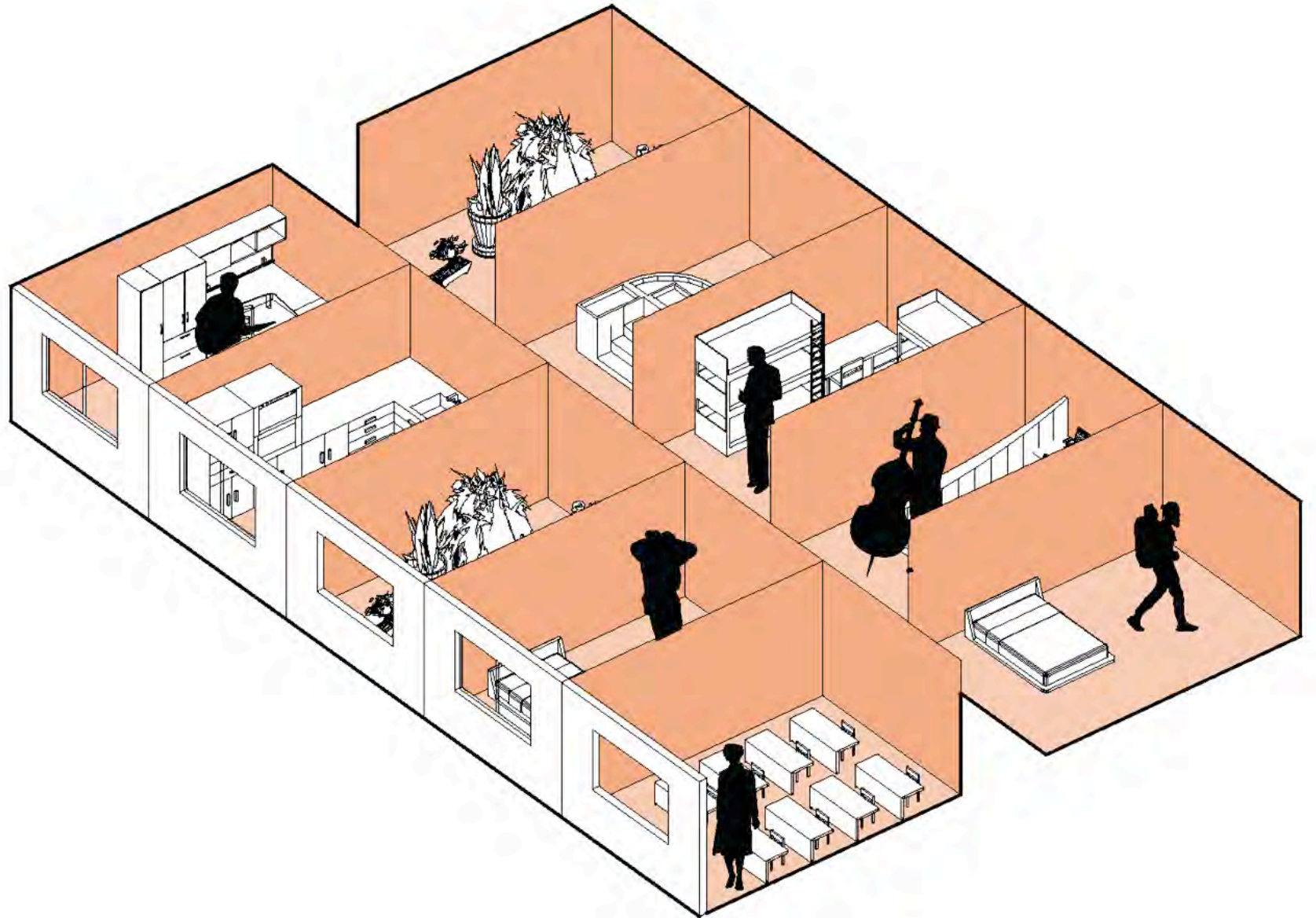


**09:23**

A tourist lost track of time.



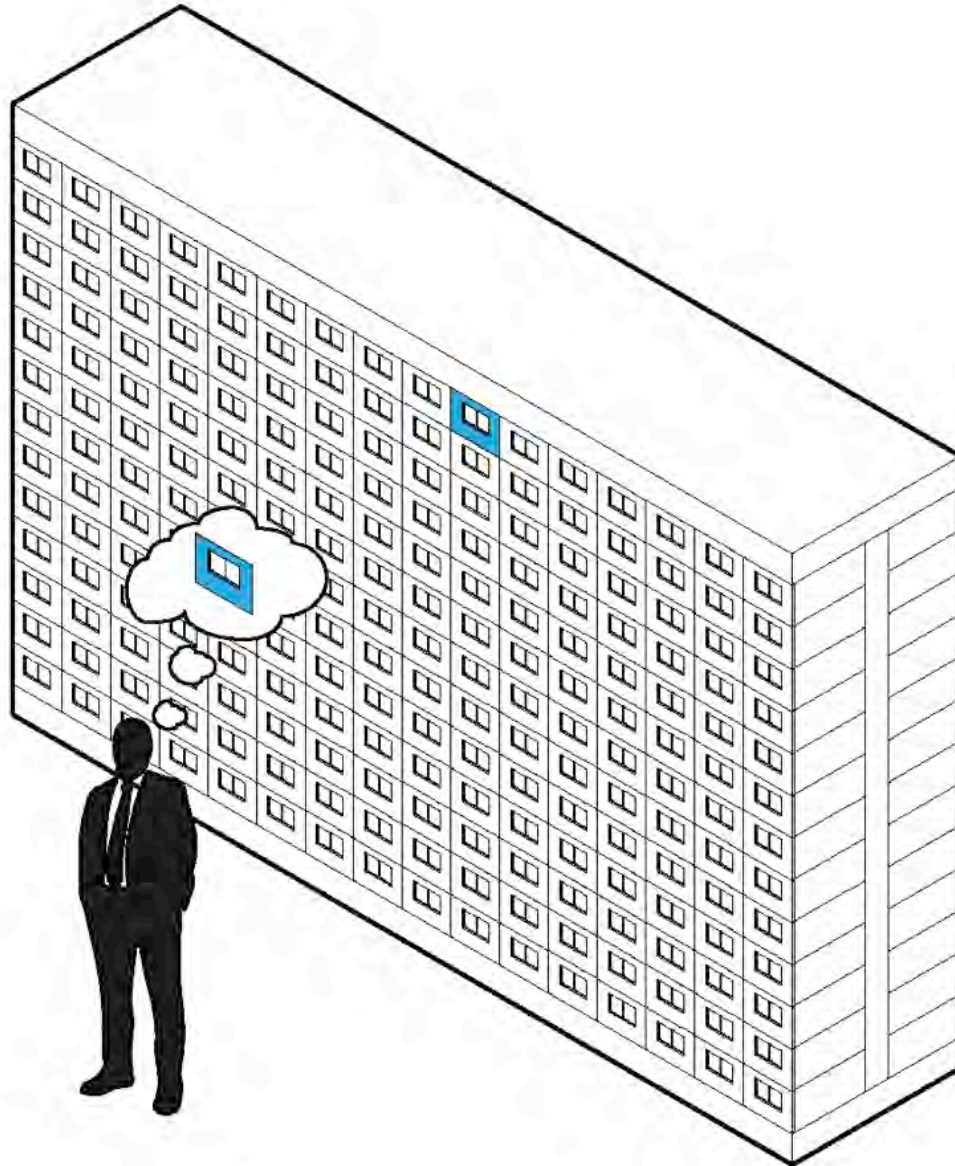




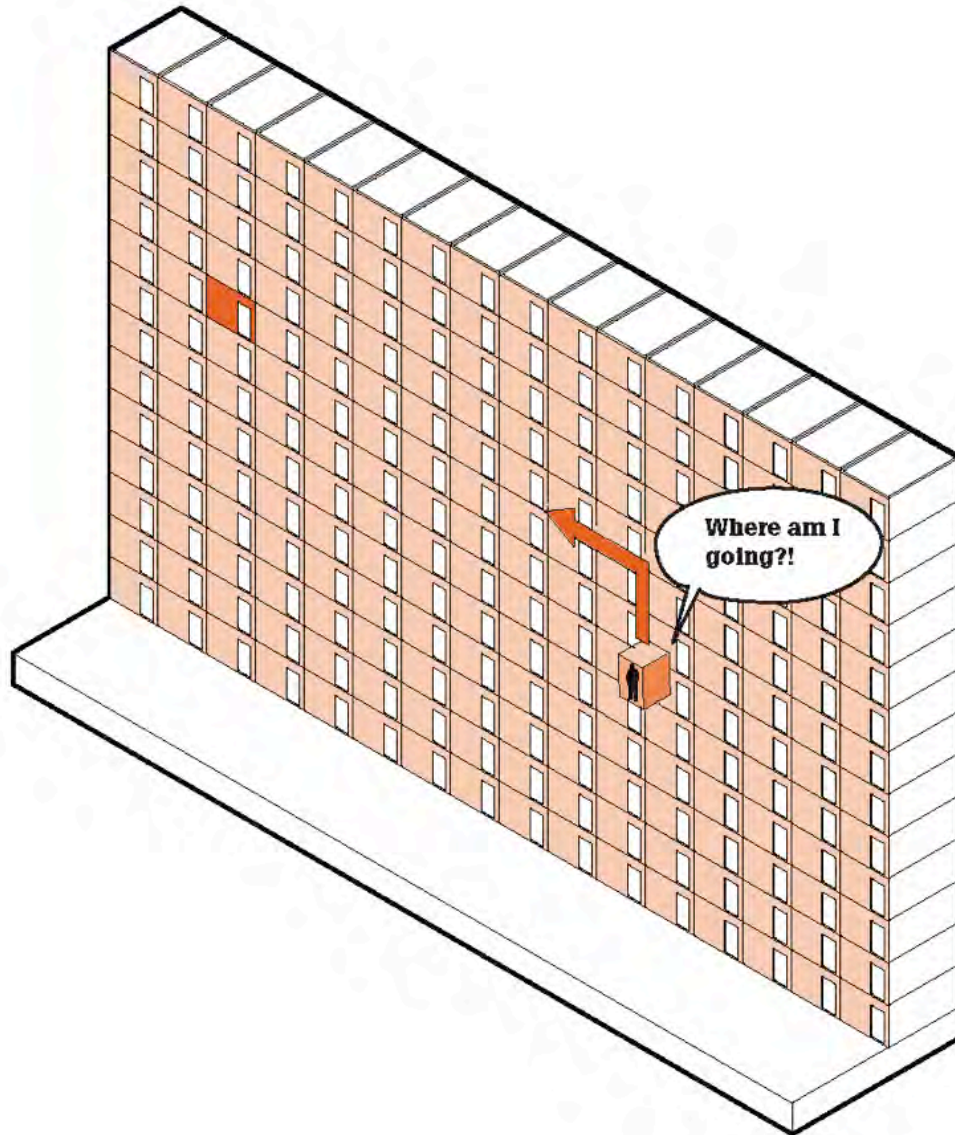


**09:23**

The CEO is looking forward to his top floor view.



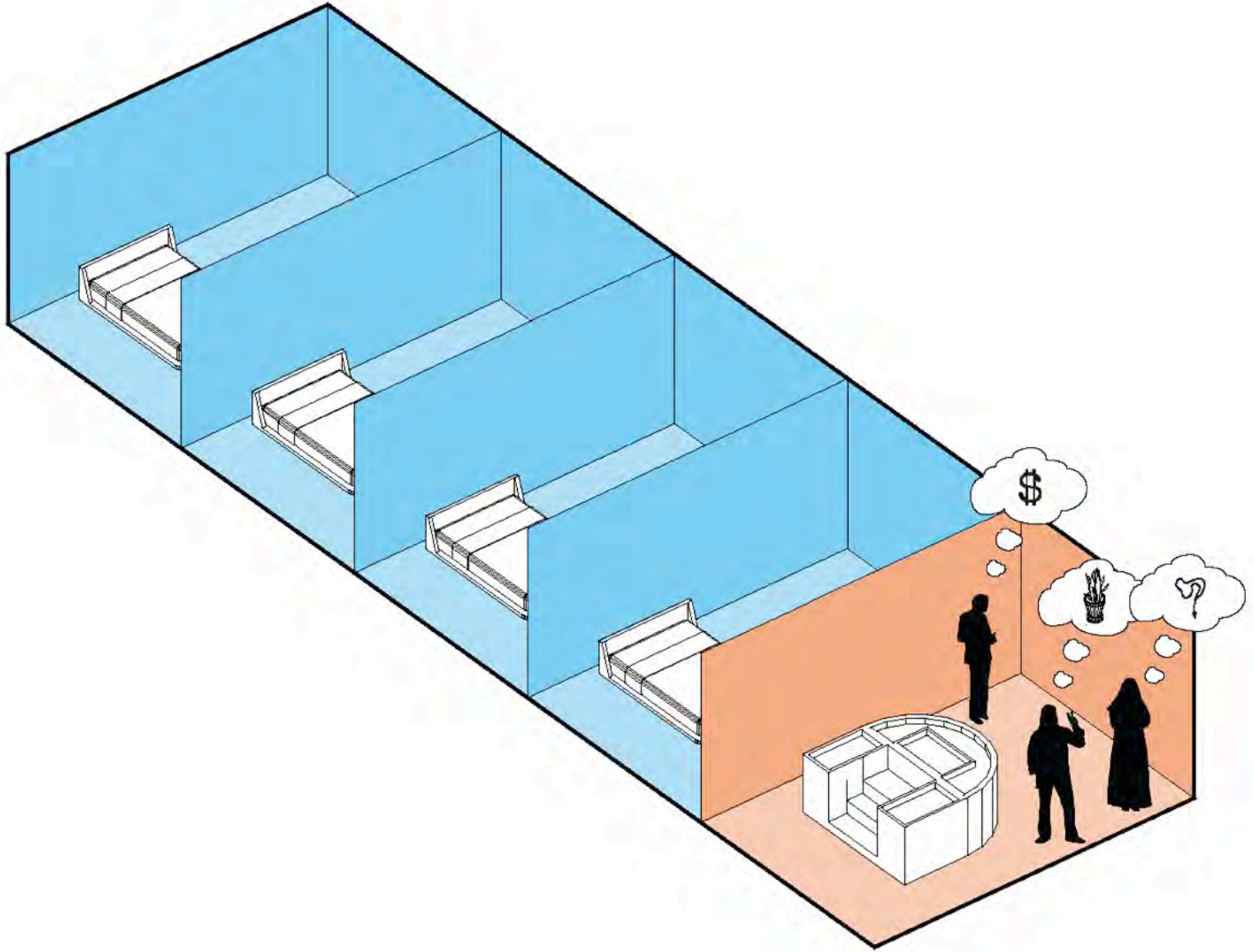




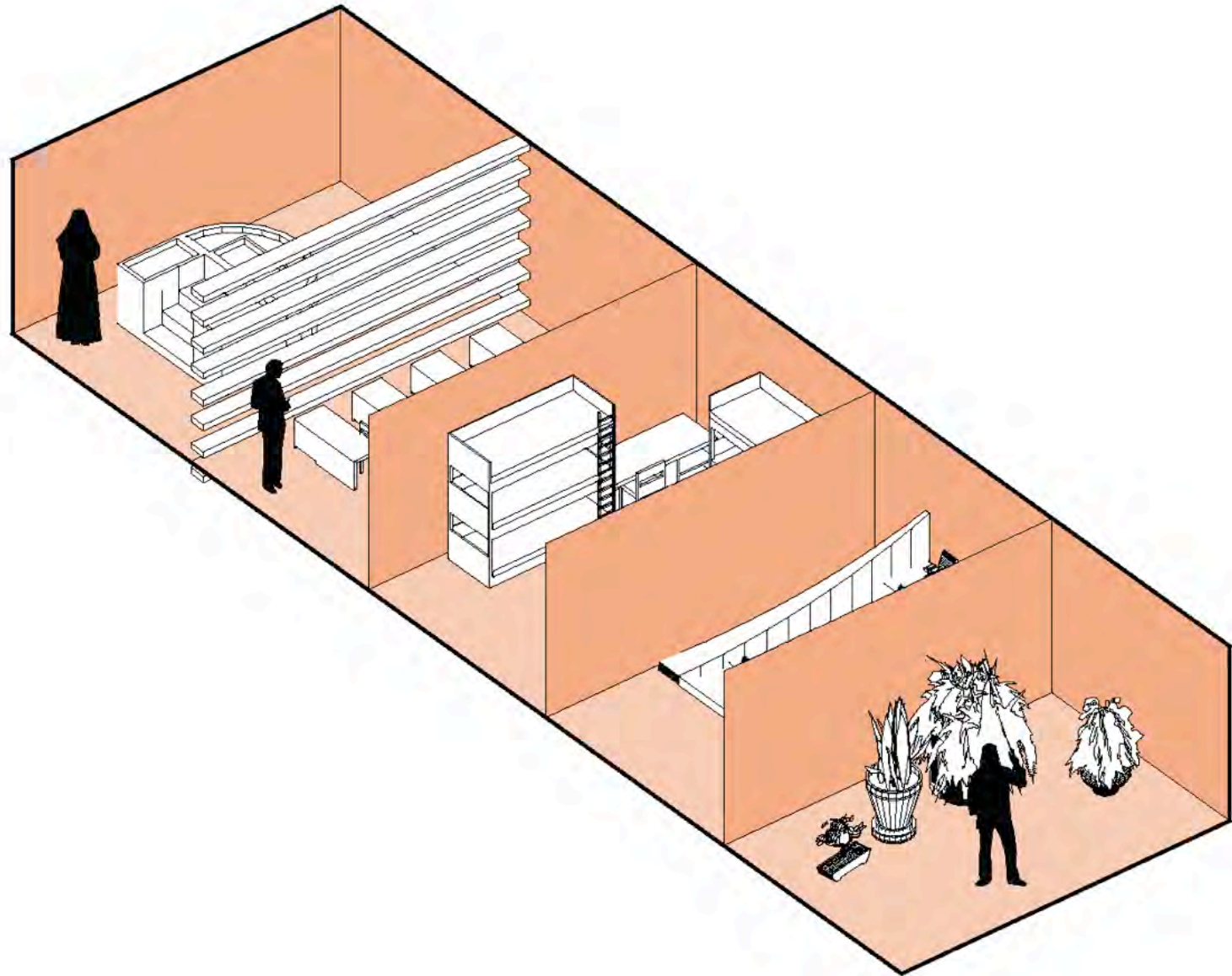
Where am I going?!

**09:23**

A nun, a hippy and a banker are  
in town for the week.



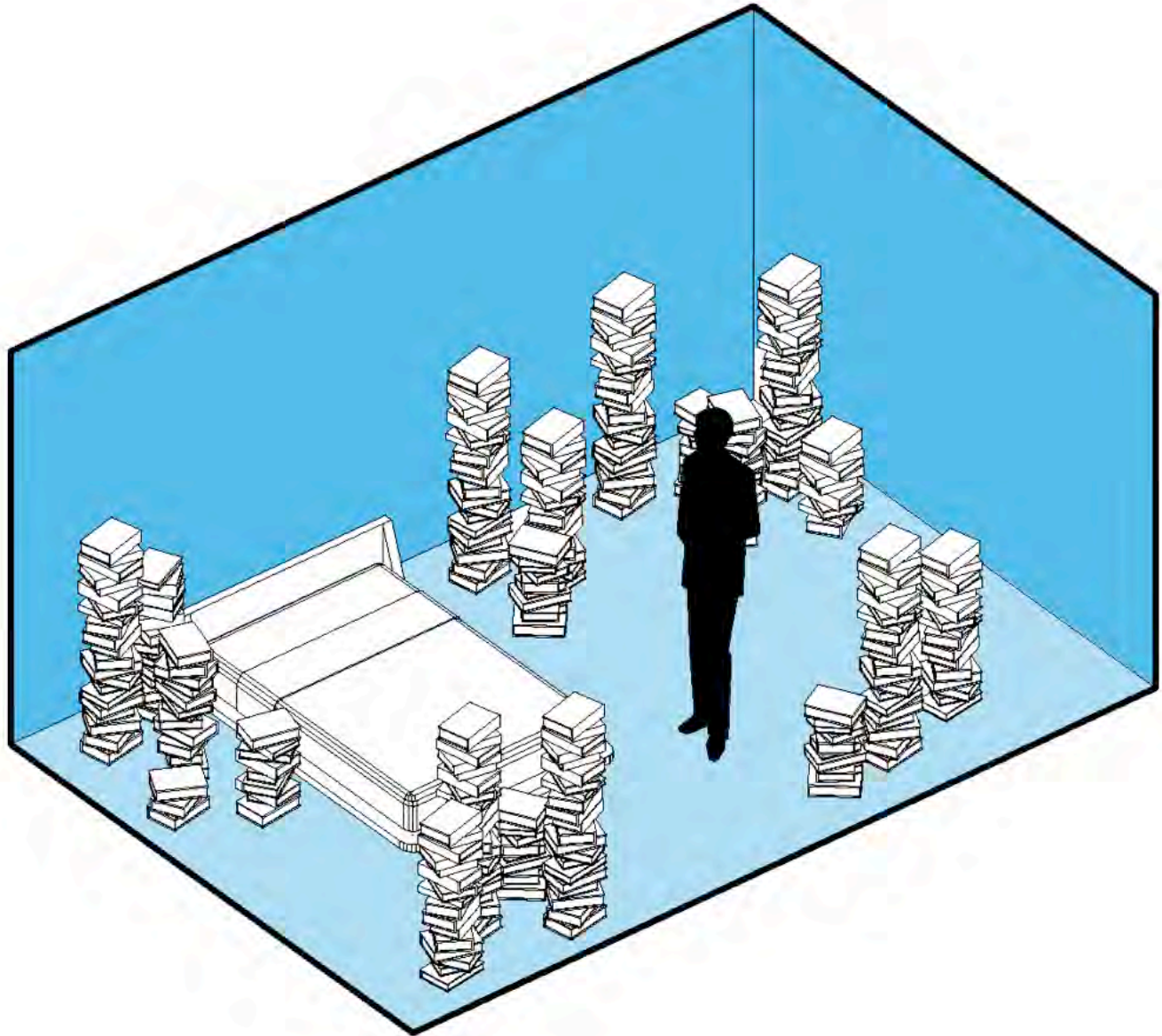
**What if comfort is  
compromised for later  
gains?**



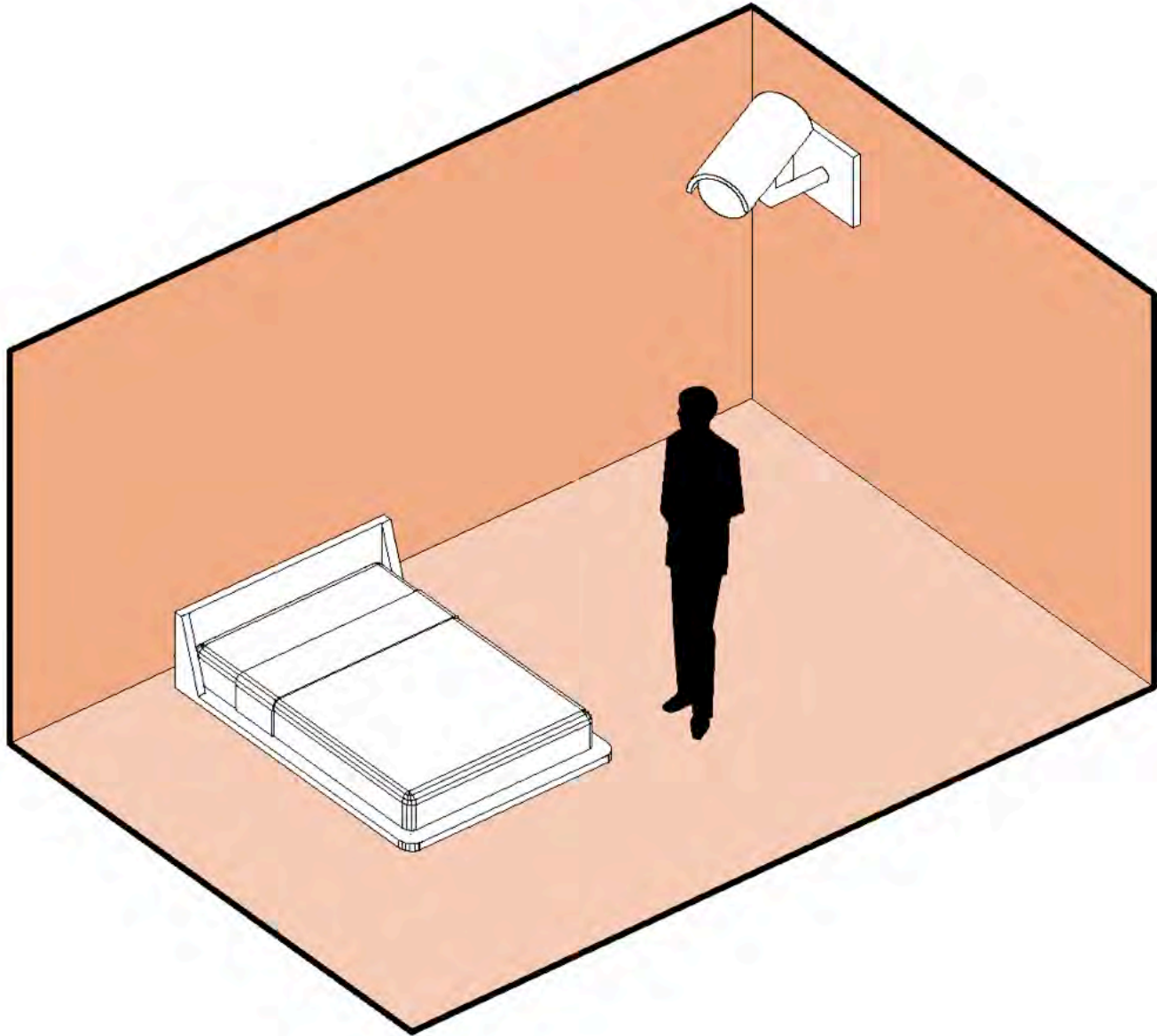


**09:23**

The professor borrows some more library books.

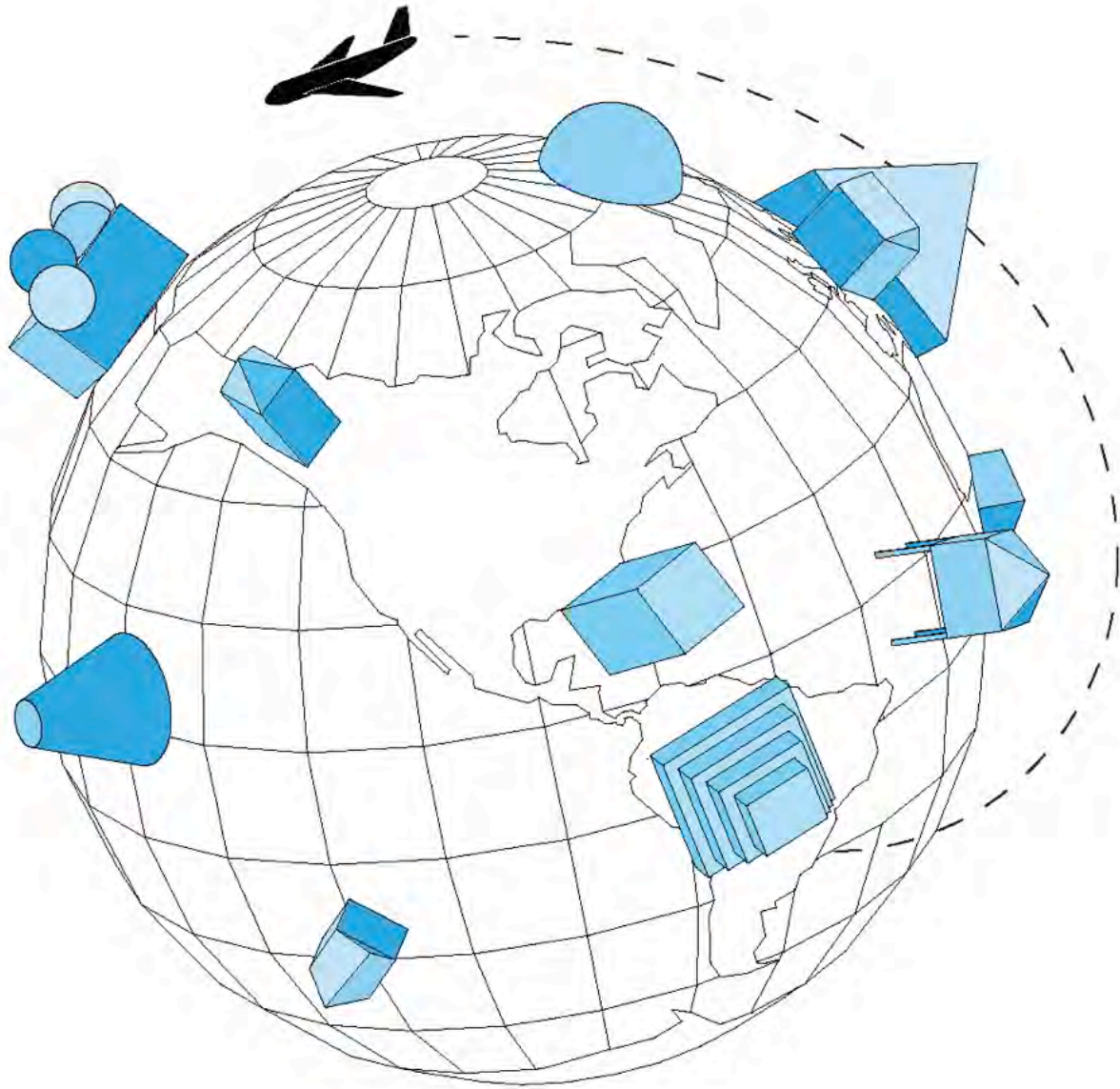


**What if sharing is?**

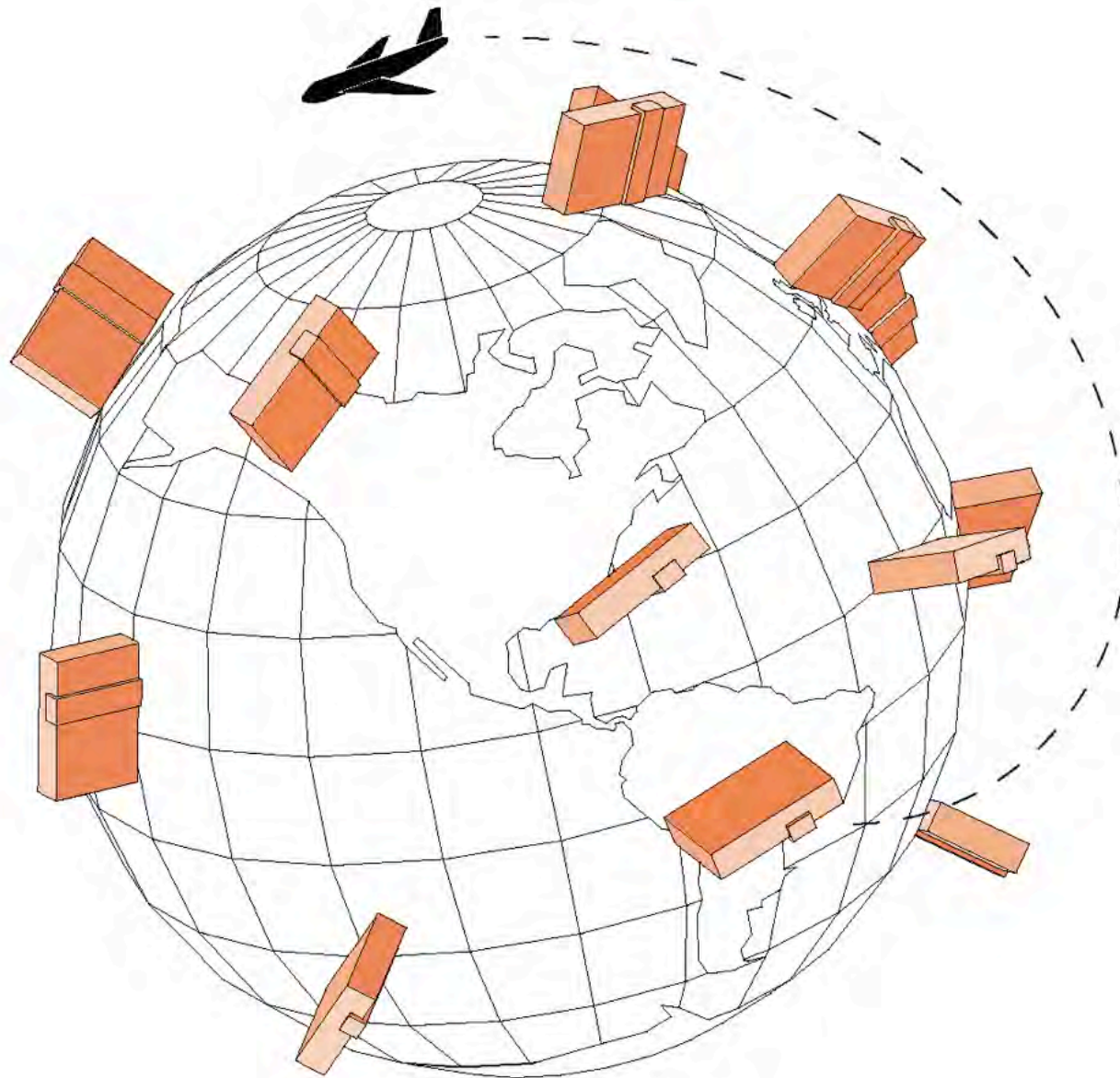


**09:23**

The student is going on exchange to the other side of the world.



**What if home is anywhere?**





6

Sharing by CONSTRUCTION

Holzmarkt

# HOLZMARKT

THIS IS A PUBLIC RESOURCE  
ALONG THE RIVER SPREE.  
THE AREA WILL BE SHARED BY  
MANY PEOPLE, WHICH WILL  
RESULT IN A SITUATION OF  
OVERSHARING ON THE SITE.



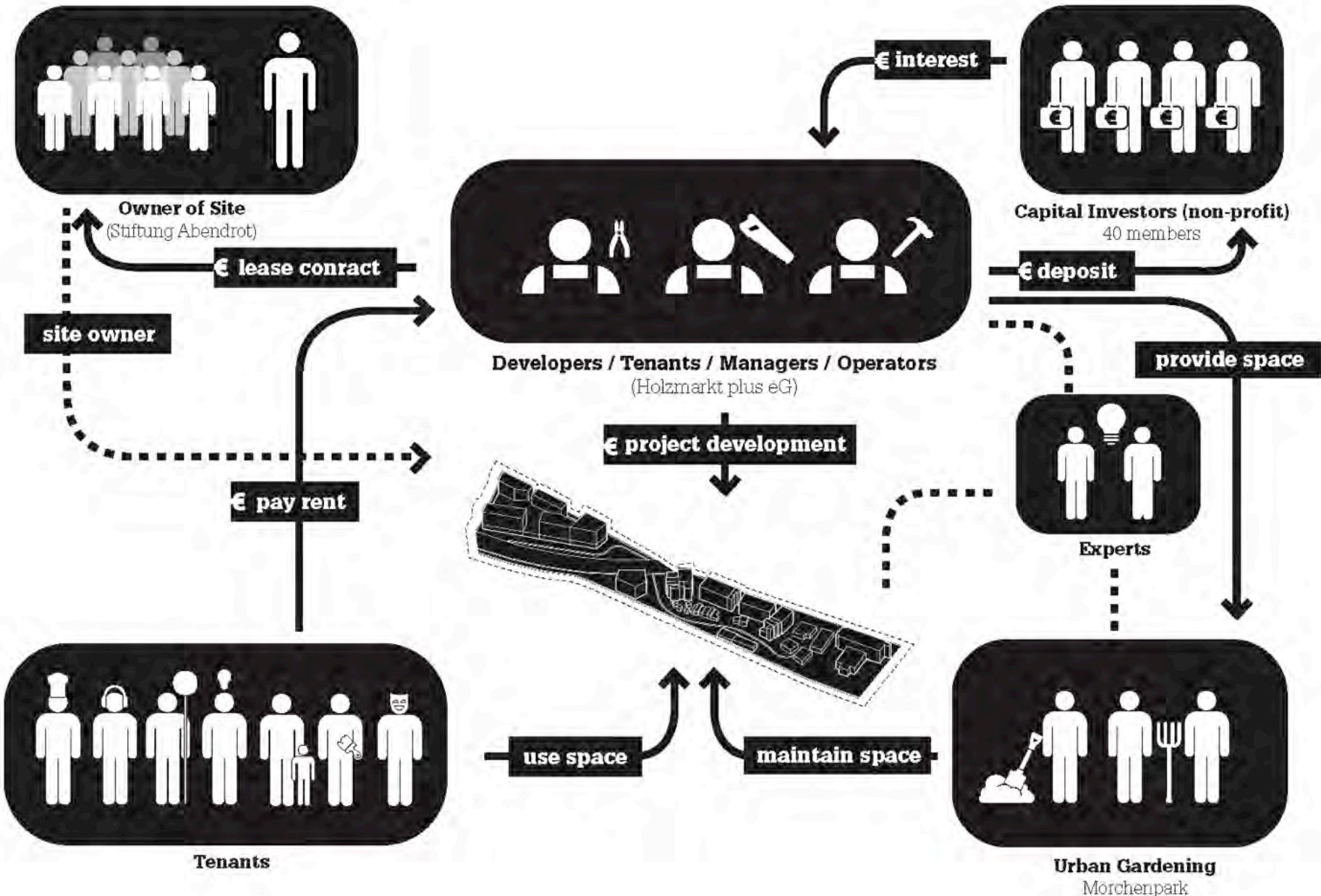
SHARING  
SHARING  
SHARING  
SHARING  
SHARING  
SHARING  
SHARING  
SHARING  
SHARING  
SHARING



THE ARCHITECTURE FORMS A  
STRUCTURE IN WHICH SHARING  
CAN BE DONE TO THE EXTREME.







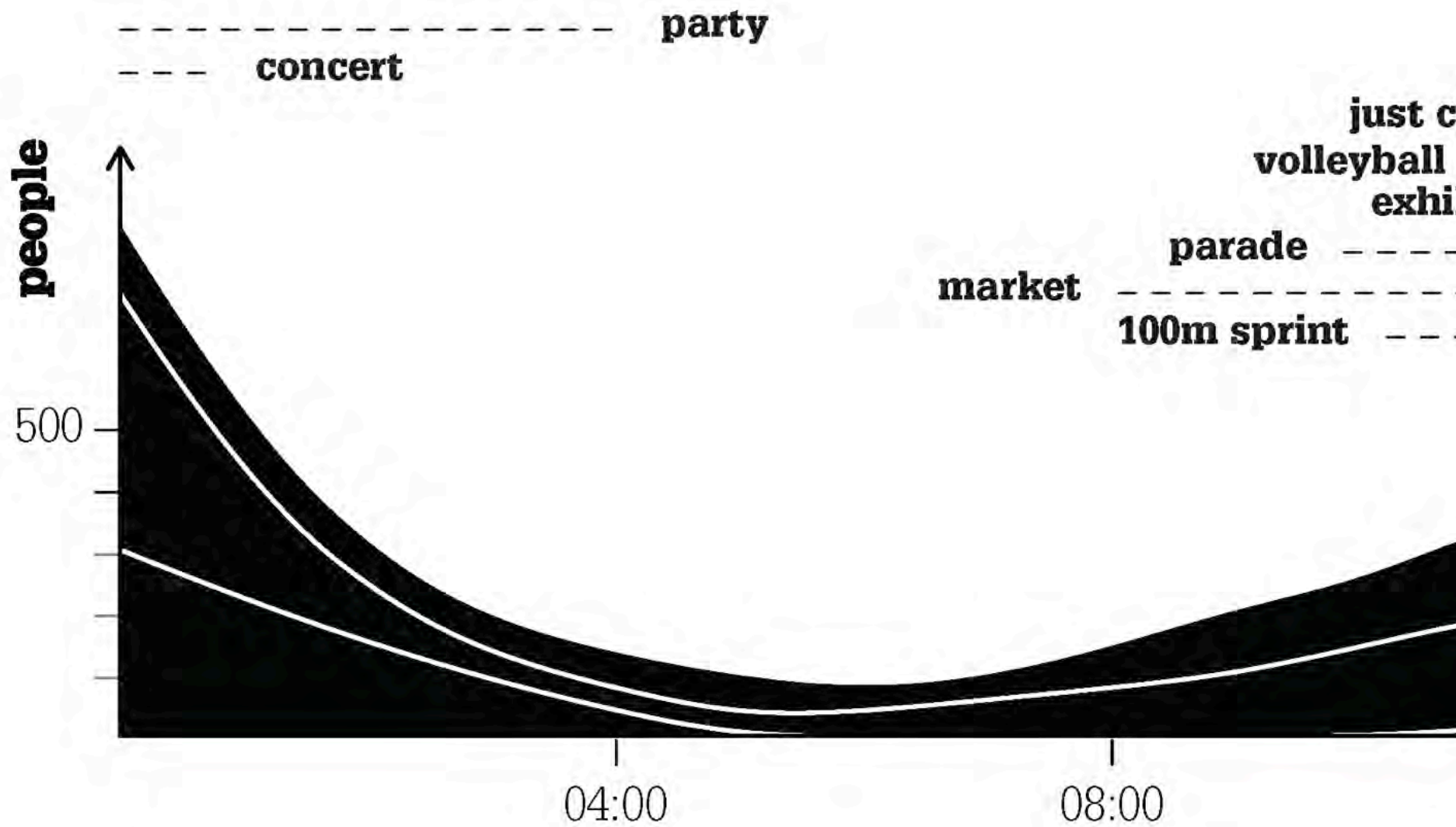


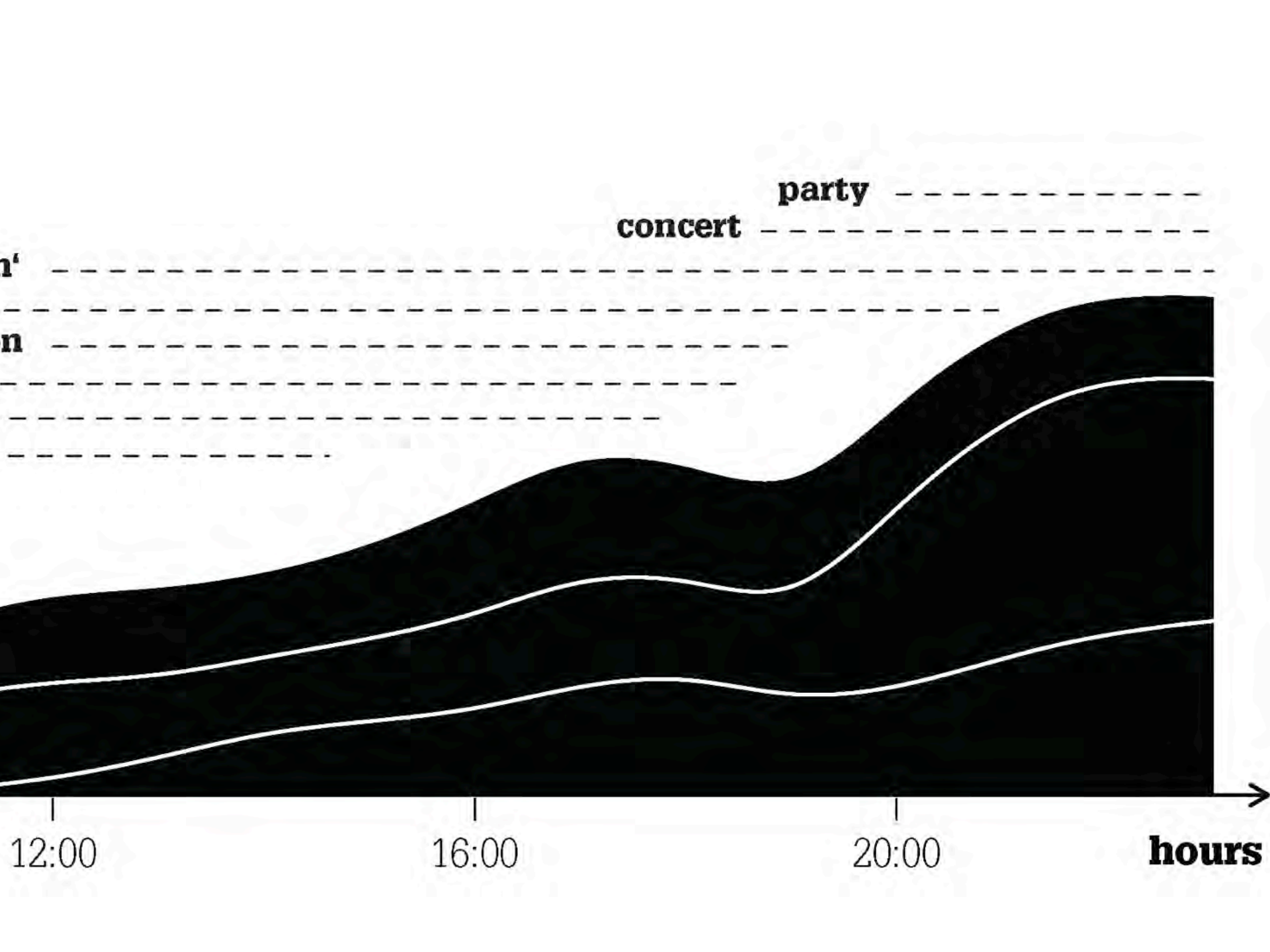
GARDENS AND HOUSING  
GARDENS AND HOUSING  
GARDENS AND HOUSING  
GARDENS AND HOUSING  
GARDENS AND HOUSING

**CONSTRUCTION IS BEING IMPLEMENTED IN DIFFERENT INTENSITIES, WHICH LIMITS THE AMOUNT OF SHARING ON THE SITE. EACH IMPLEMENTATION RESULTS IN A DIFFERENT RATIO BETWEEN PRIVACY AND SHARINGNESS**

SMART CIRCULATION SPACE  
SMART CIRCULATION SPACE  
SMART CIRCULATION SPACE  
SMART CIRCULATION SPACE  
SMART CIRCULATION SPACE  
SMART CIRCULATION SPACE







# **Sharing by Constriction**



ZONE PLANNING STRATEGY  
ZONE PLANNING STRATEGY  
ZONE PLANNING STRATEGY  
ZONE PLANNING STRATEGY  
ZONE PLANNING STRATEGY  
ZONE PLANNING STRATEGY  
ZONE PLANNING STRATEGY

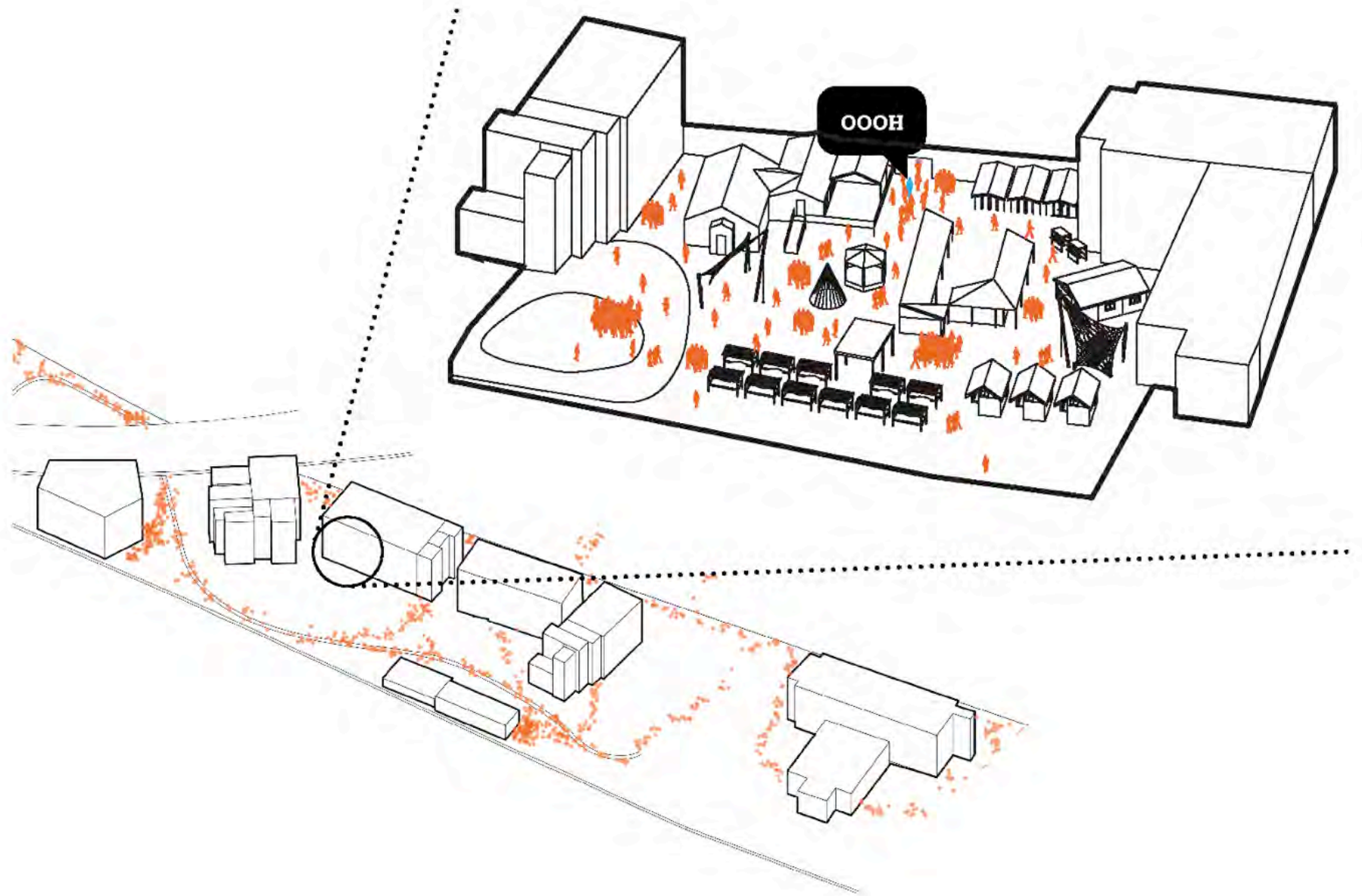


THE DIFFERENT IMPLEMENTATIONS  
CAN BE COMBINED IN ORDER TO  
REACH A WELL BALANCED RATIO  
BETWEEN PRIVATE AND SHARED.

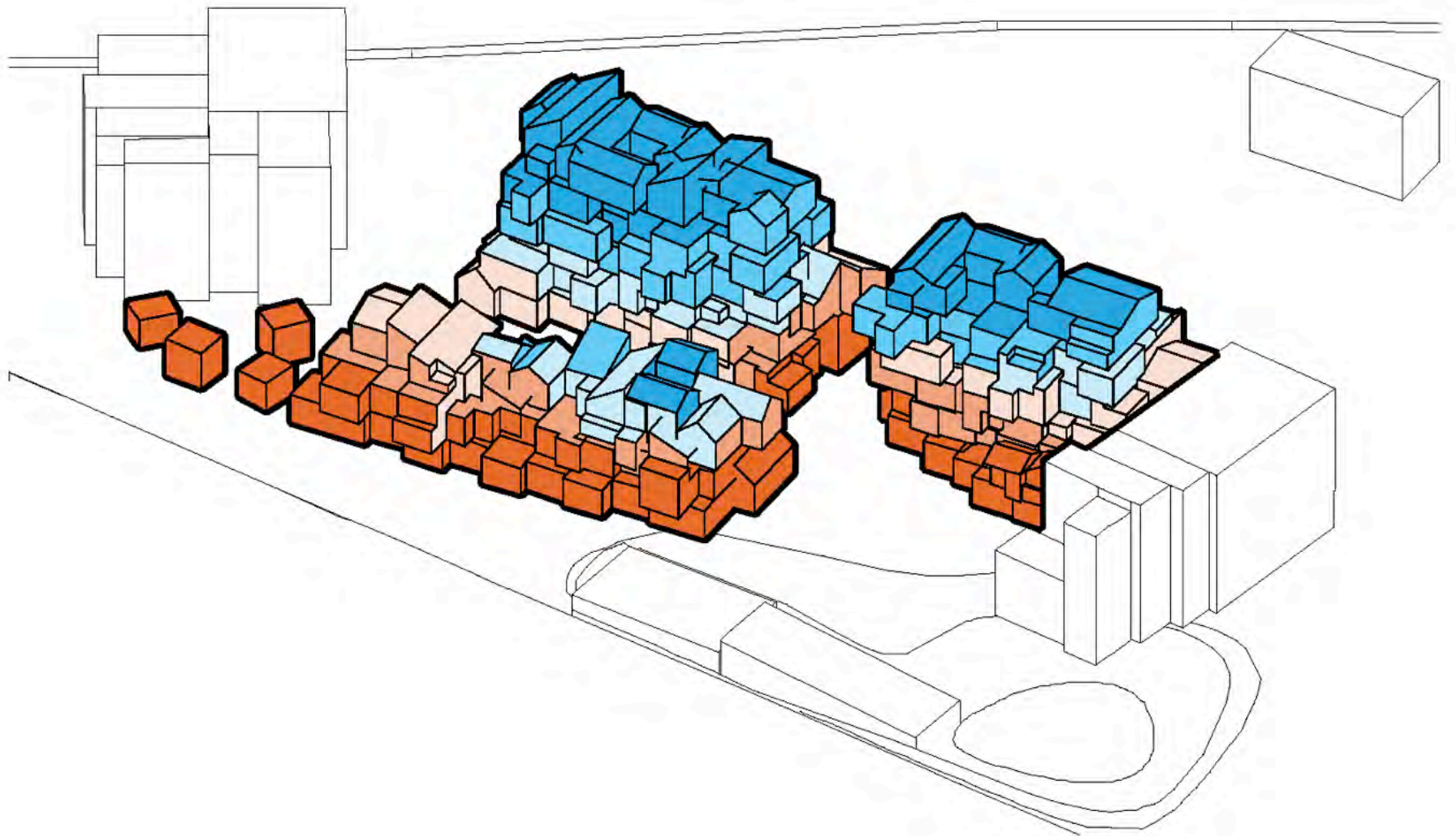
**11:00**

Pablo arrives at the Holzmarkt,  
eager to move in.

He needs to find a spot to settle  
in.

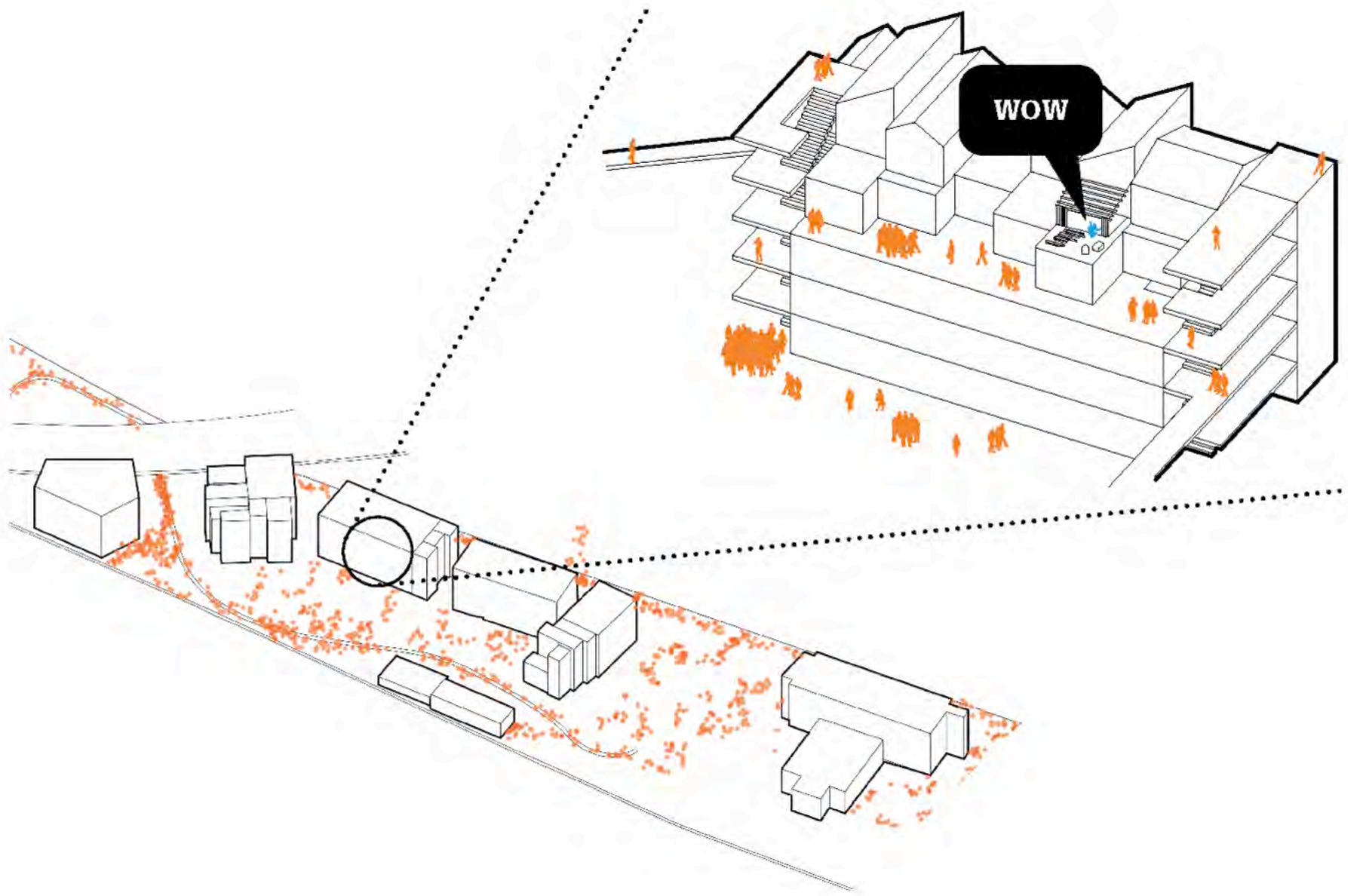


**What if there is no  
ownership?**



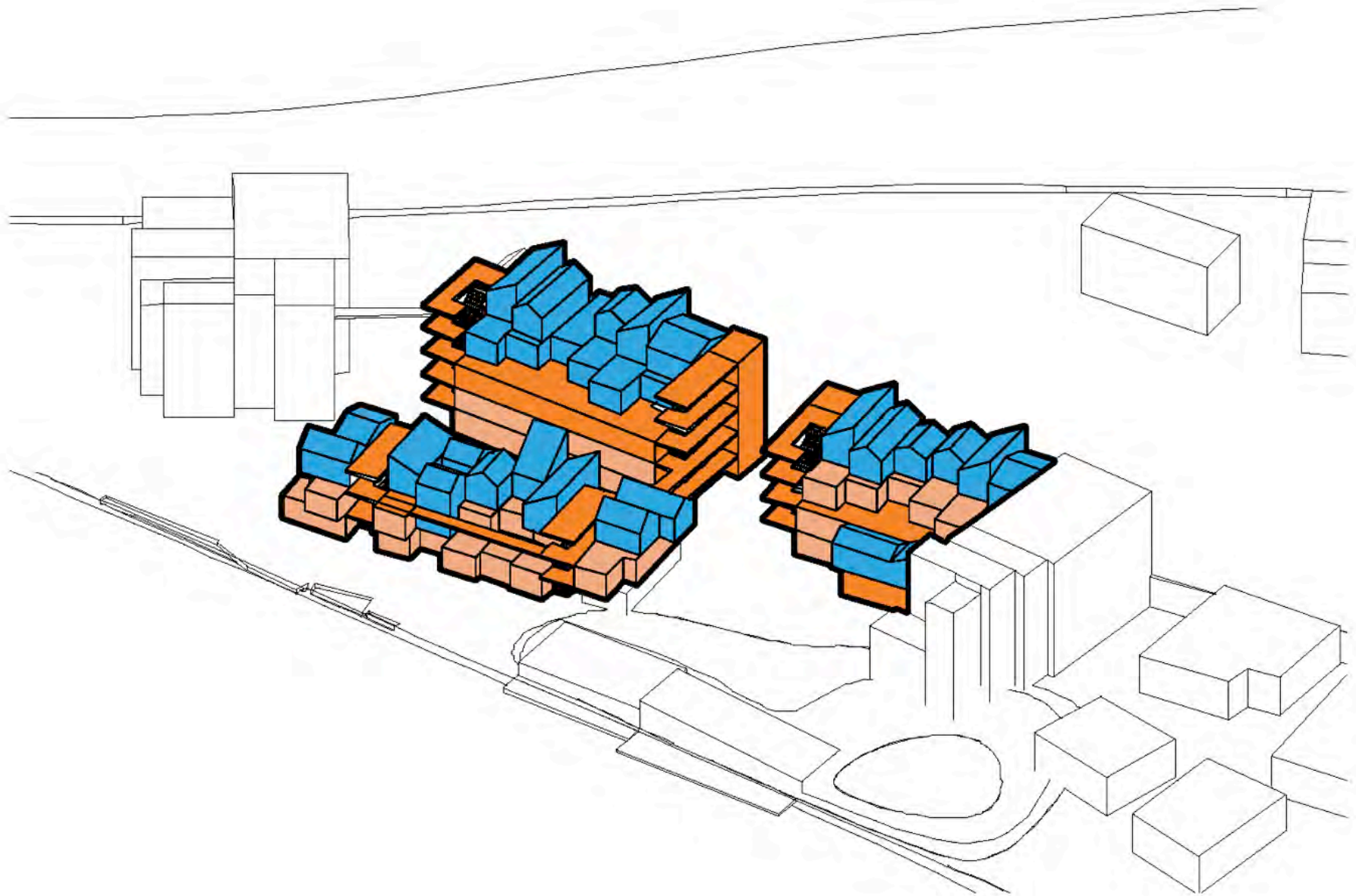
**13:00**

Pablo is building a house, but he needs some materials. He heads to the market to find what he needs.



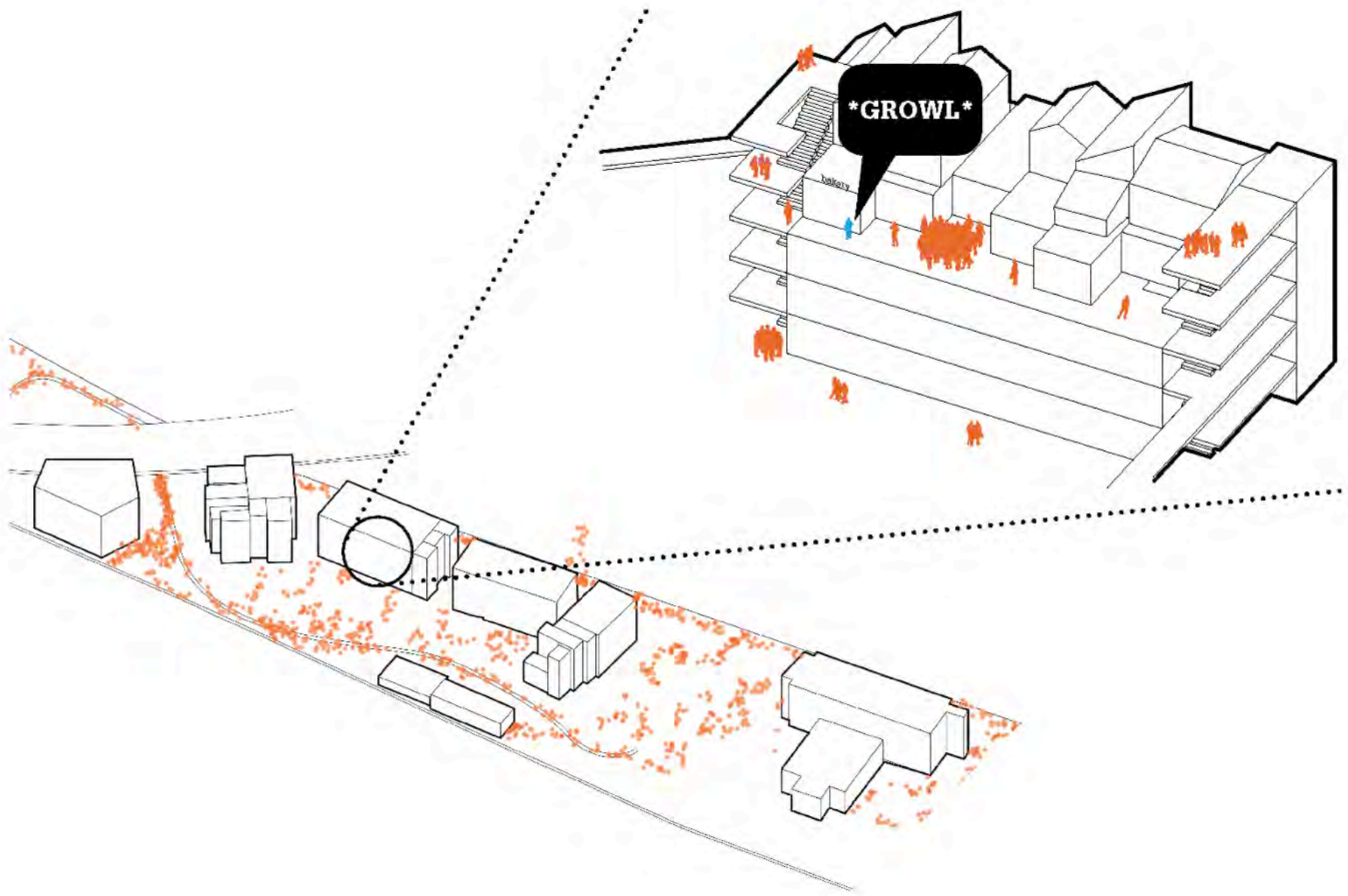
**What if everyone worked  
and lived there?**



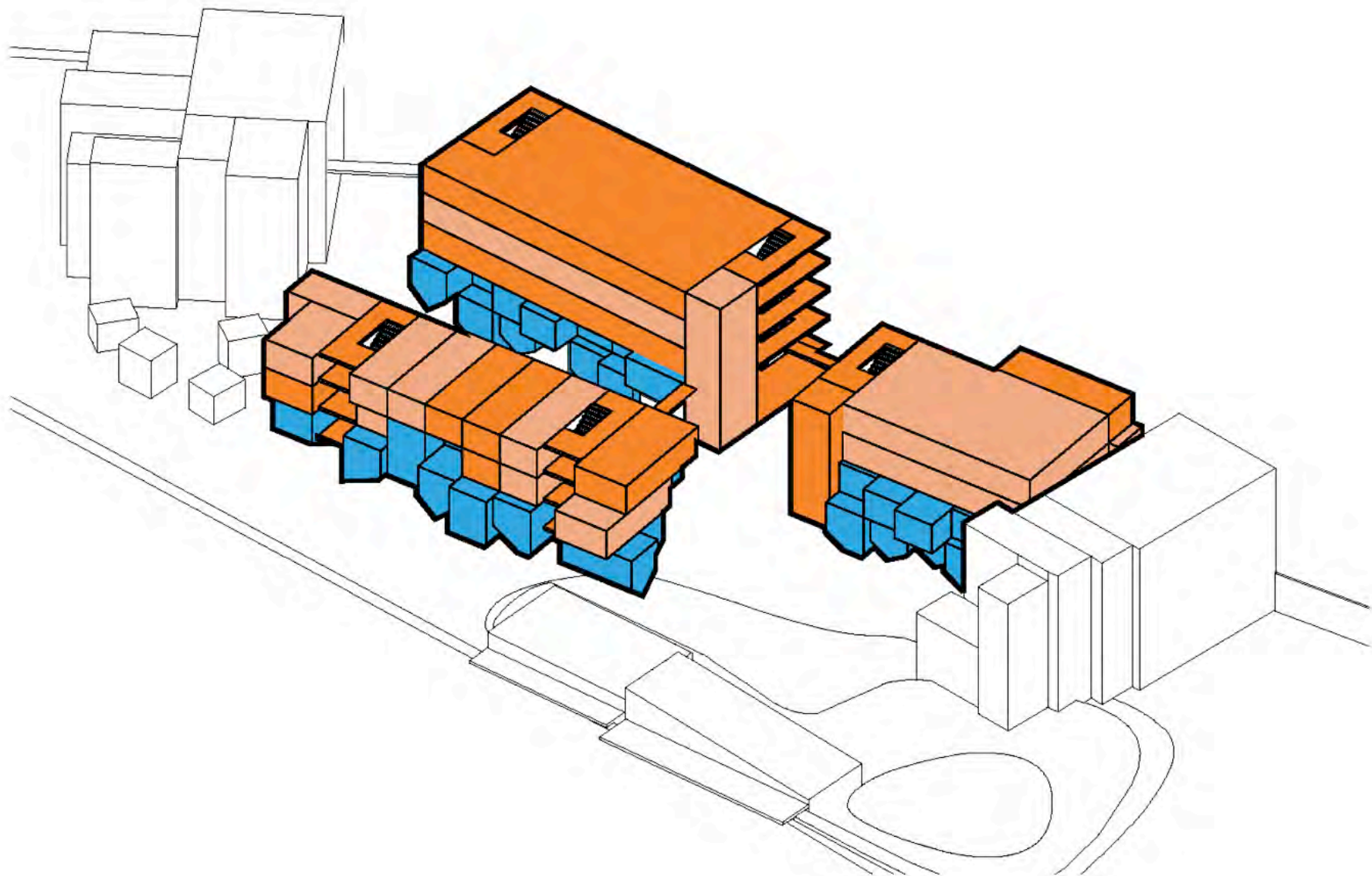


**16:00**

Pablo could use a snack, he goes to the market to find a place to eat.

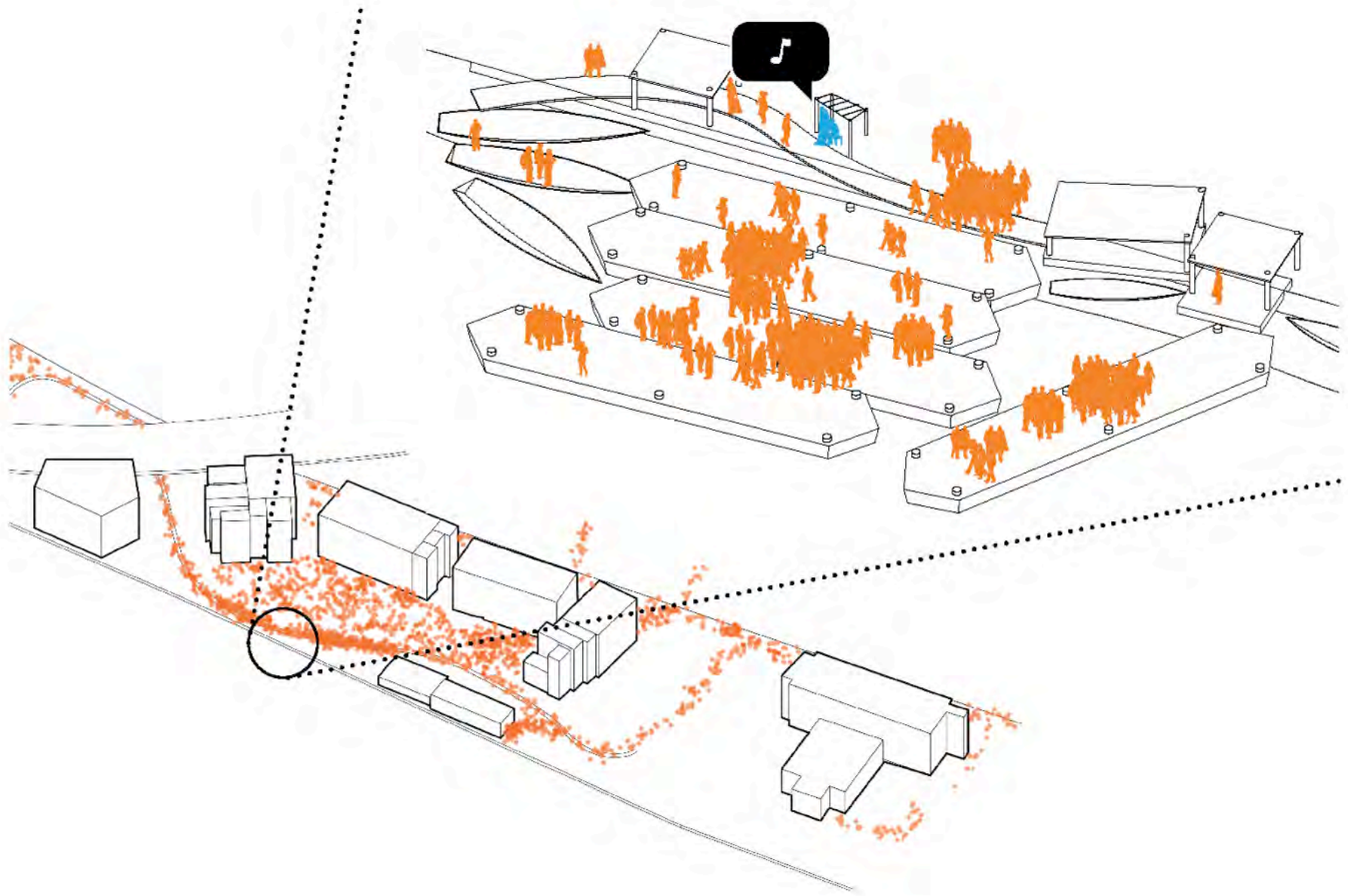


**What if the Holzmarkt is  
flipped upside down?**



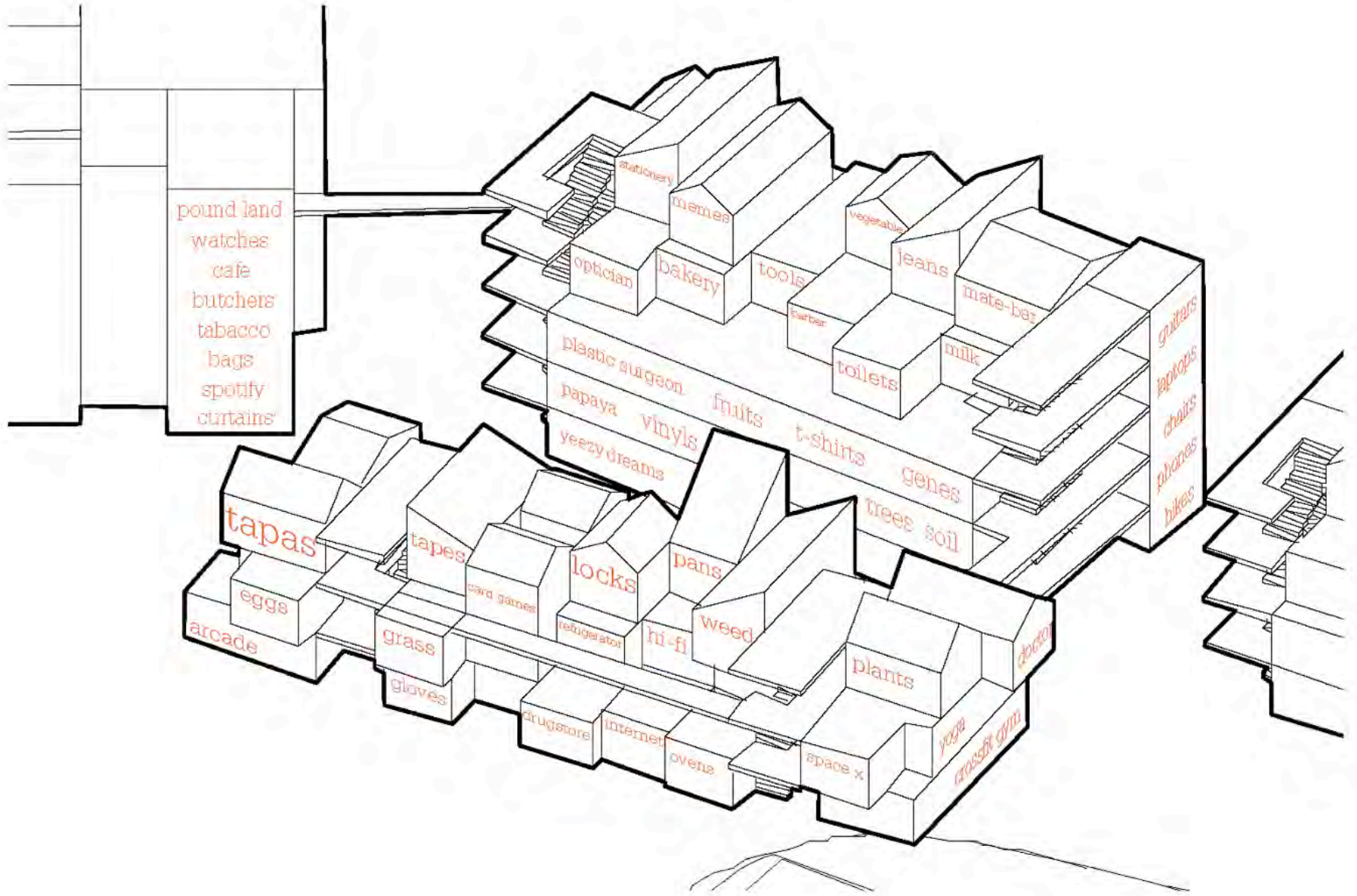
**14:00**

A few days in, Pablo plays his harp by the waterside. He's enjoying his time by the shore, but is rudely interrupted by visitors.



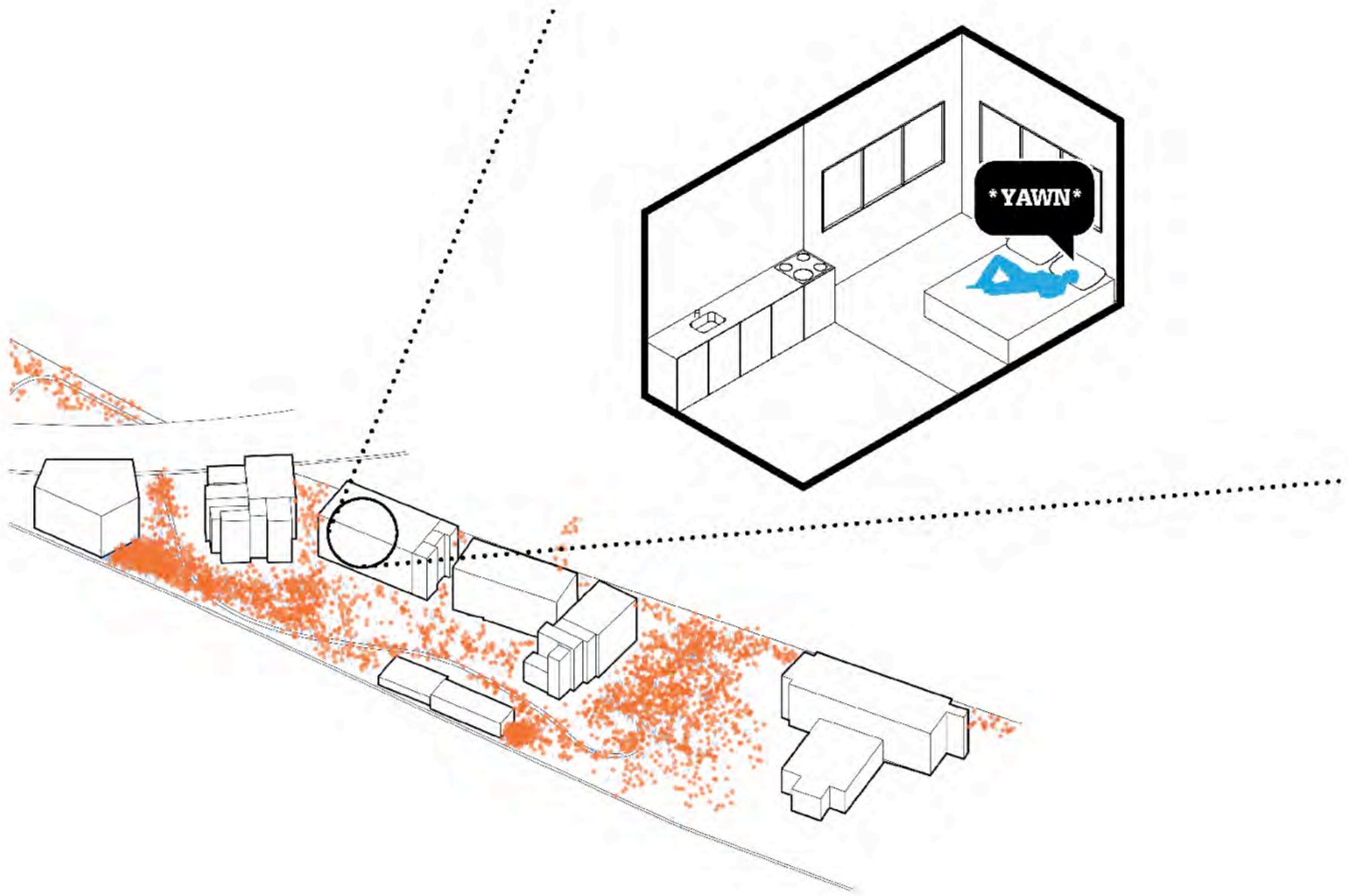




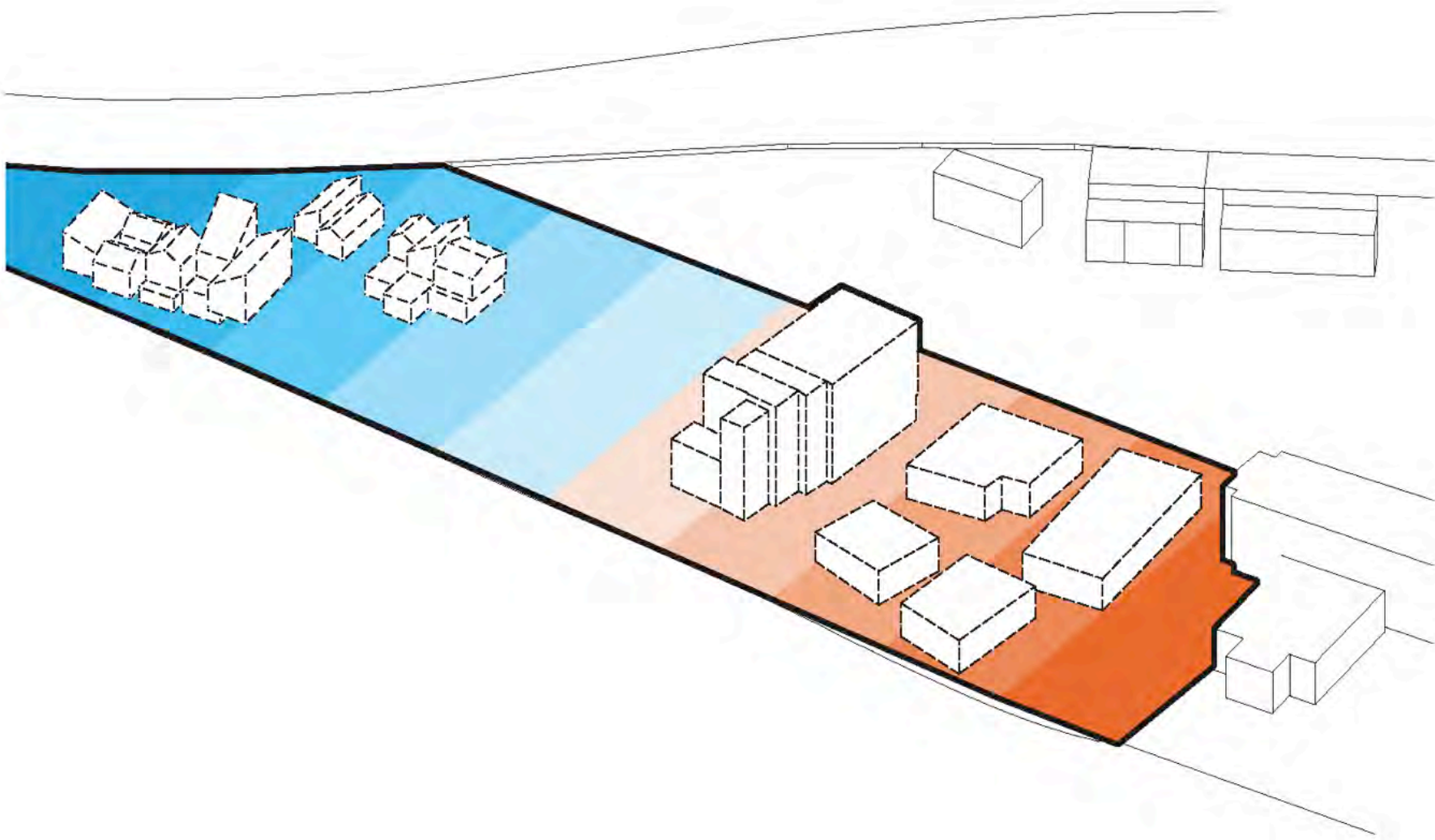


**01:00**

Pablo is trying to sleep, but loud music is keeping him awake. He needs his rest.

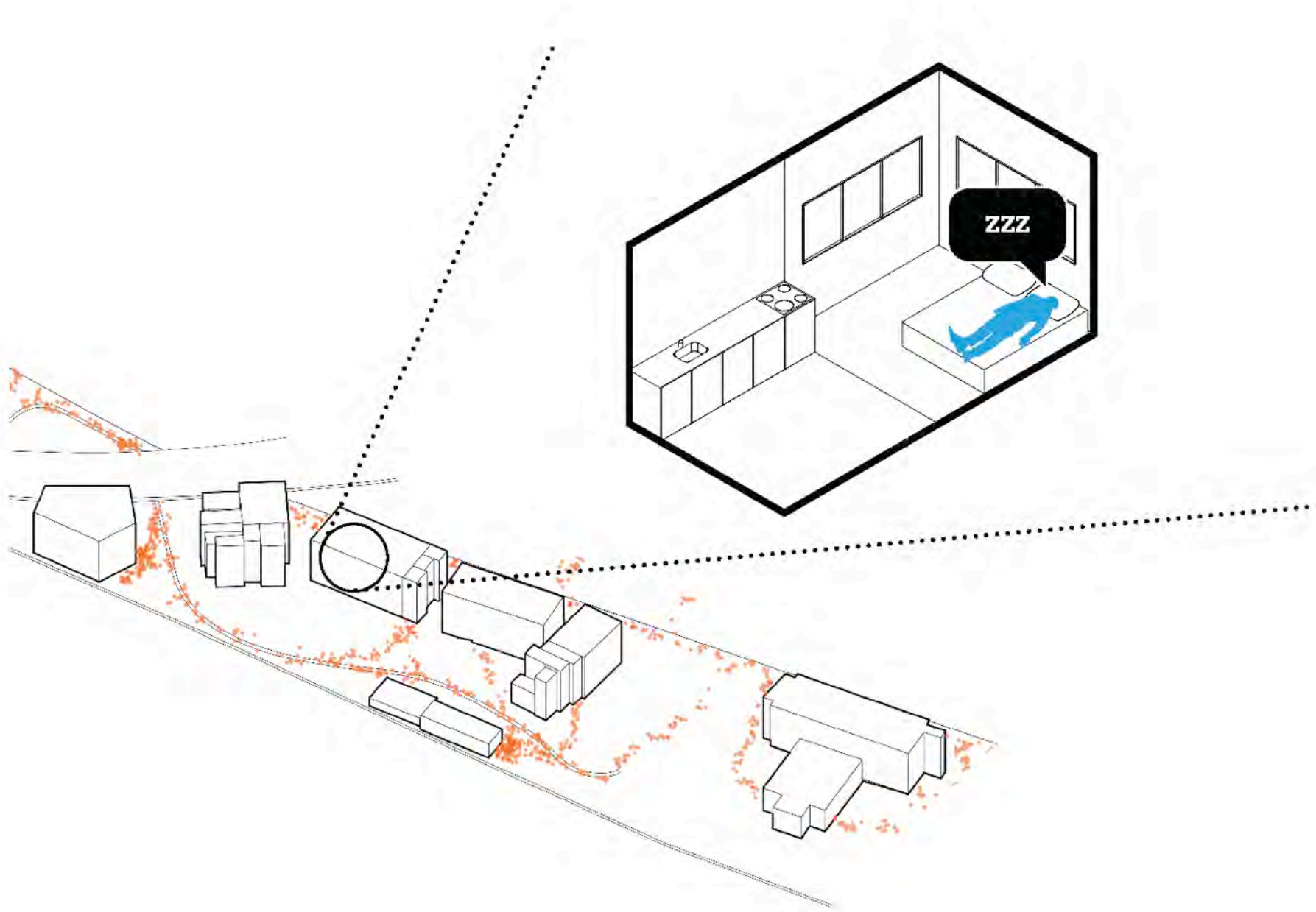






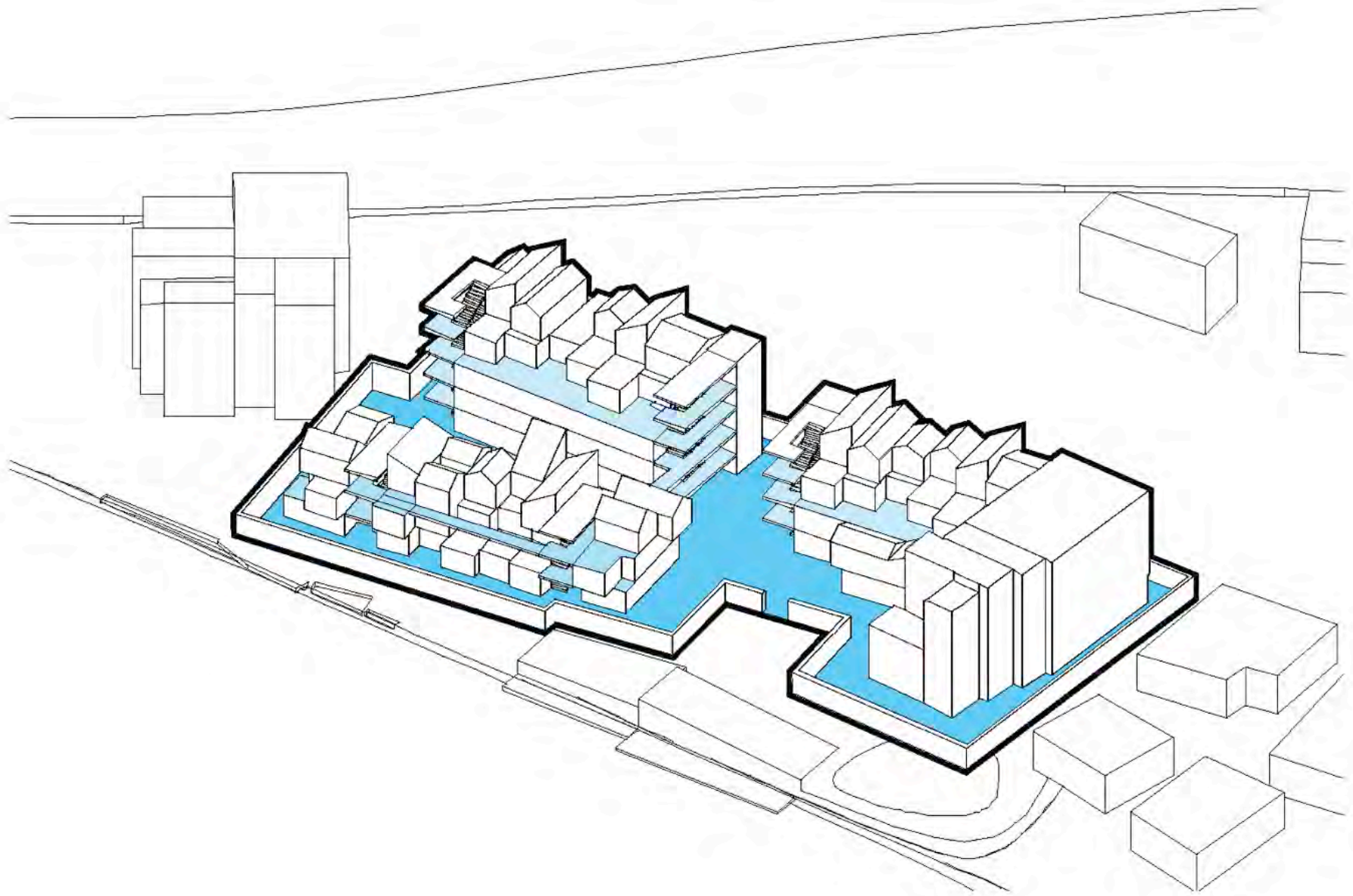
**11:00**

Pablo finally goes to bed, having been up all night.



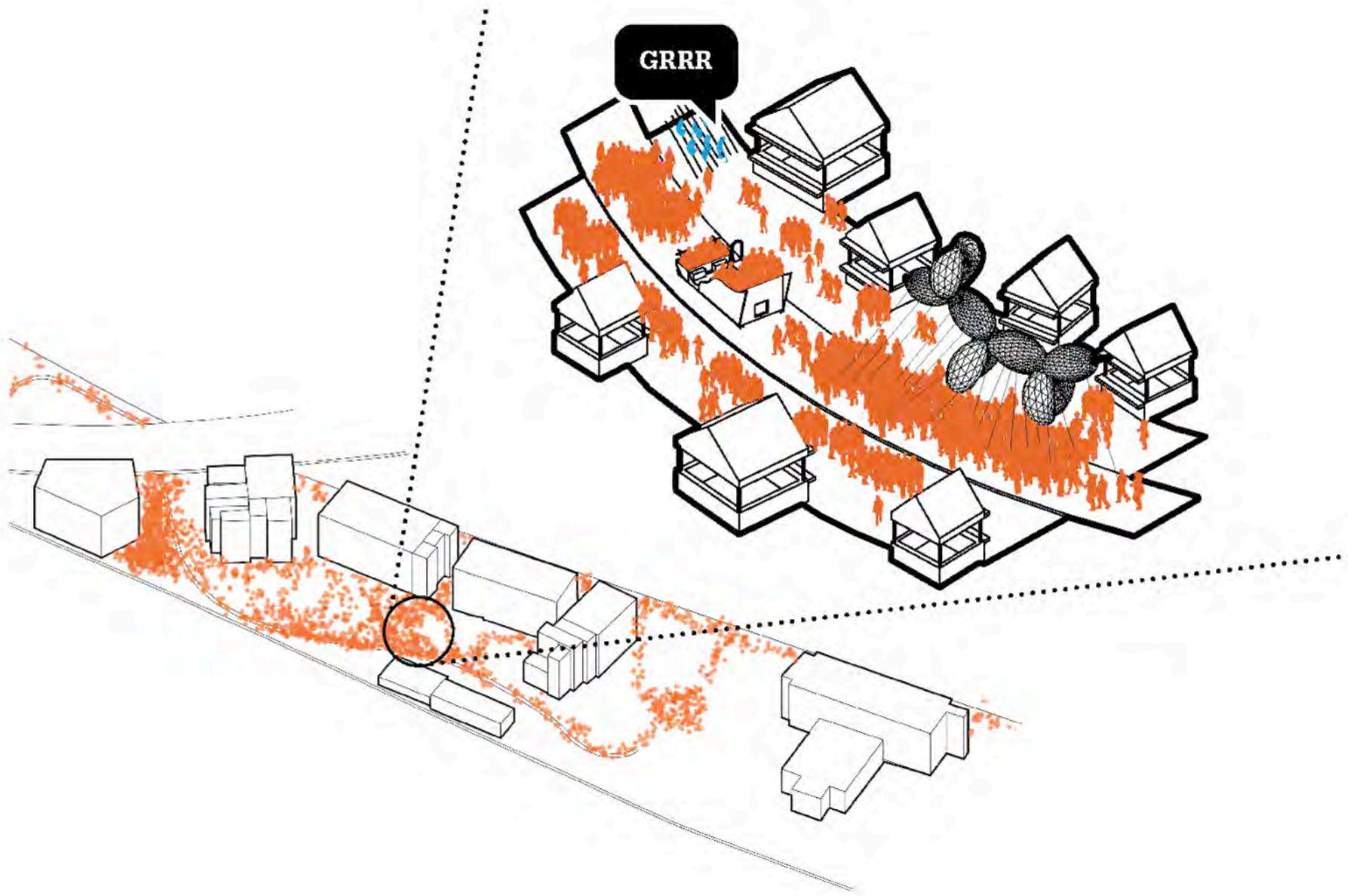
**What if the site is turned into  
an autonomous territory?**





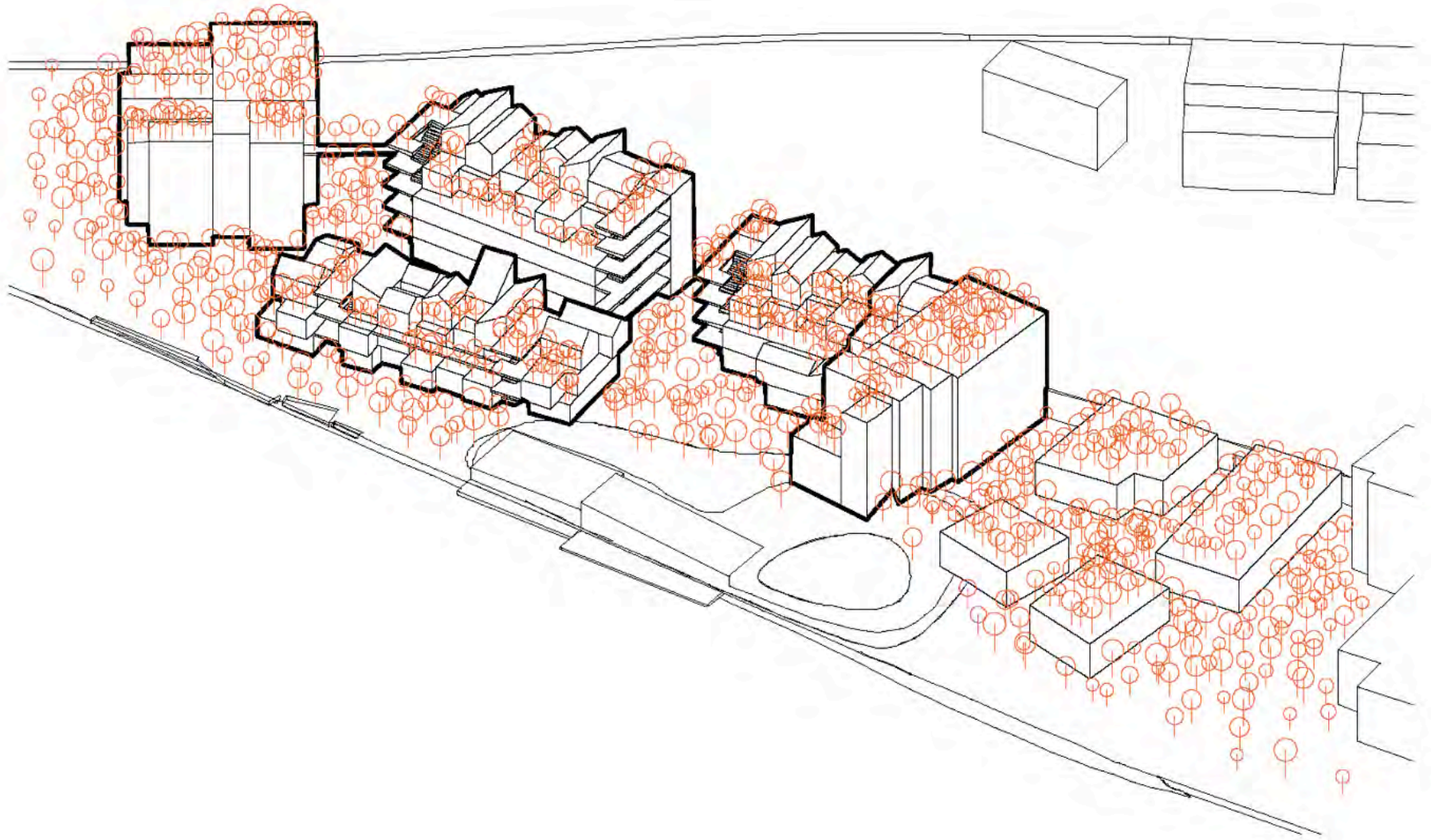
**13:00**

Pablo is working in the garden,  
but he is the only one. The site is  
busy, a parade is passing by.



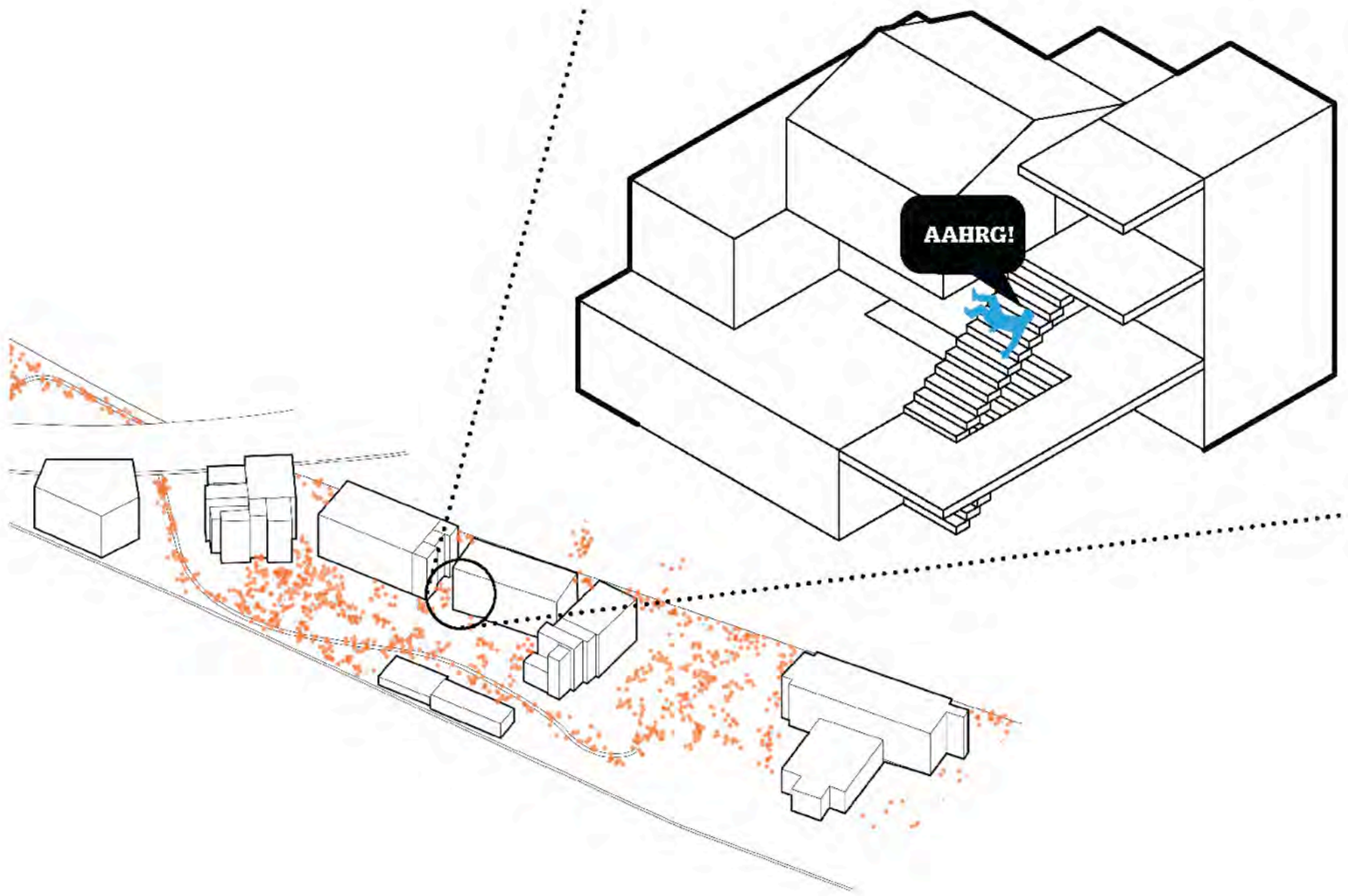
GRRR

**What if every house has a  
garden?**



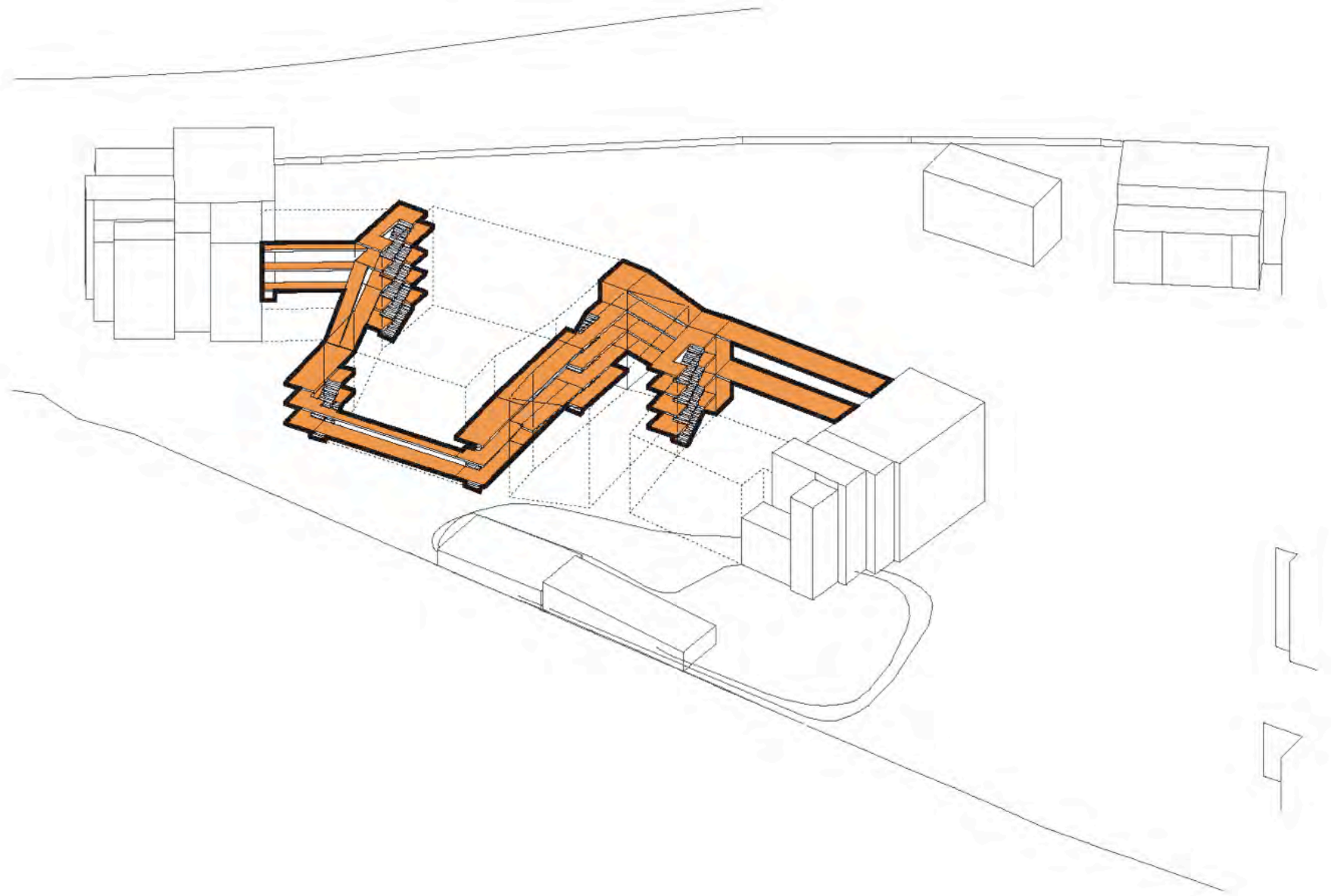
**20:00**

Pablo trips while climbing the stairs. He will be in a wheelchair for a while.



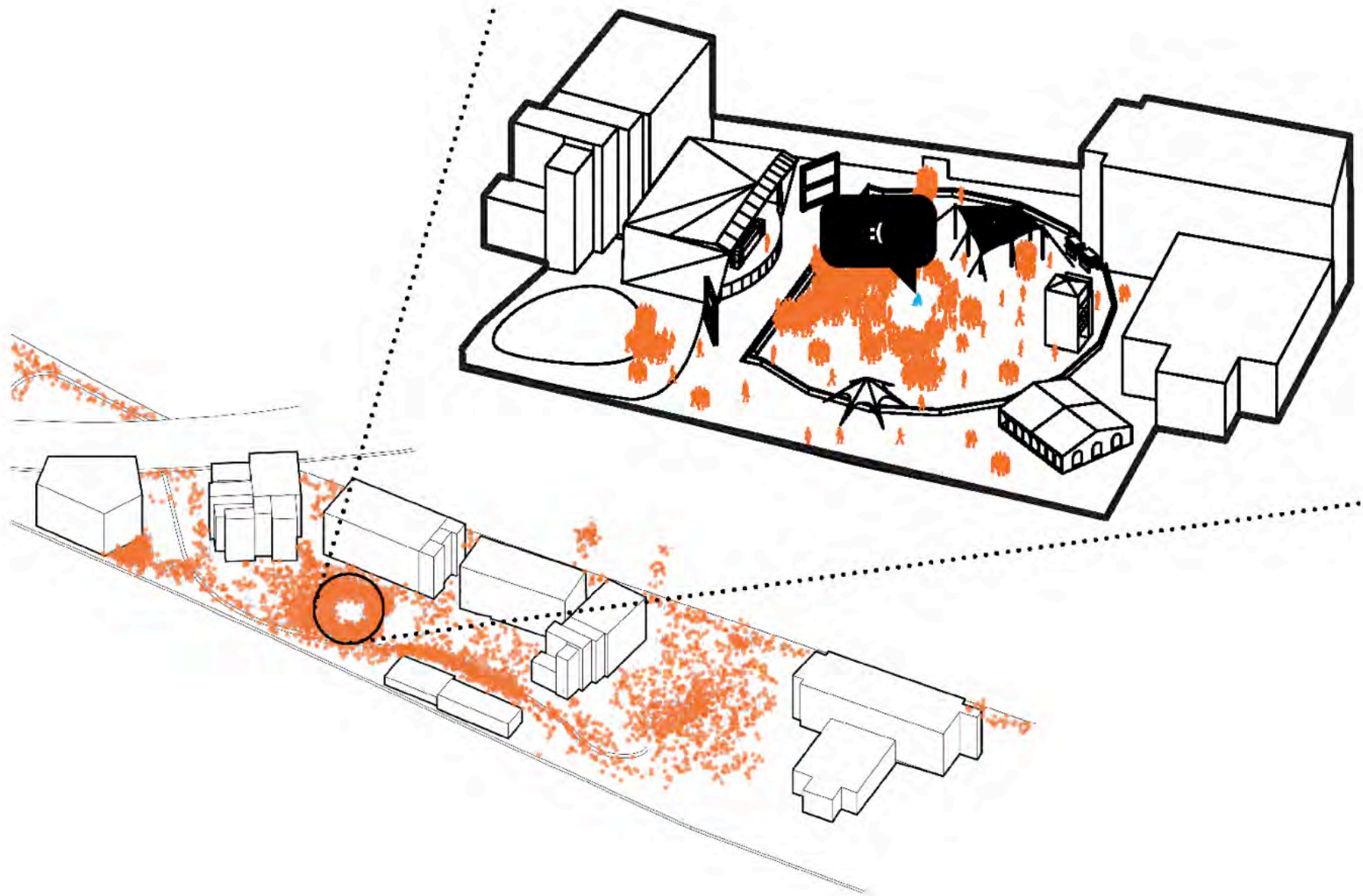
**What if circulation space is  
linear?**



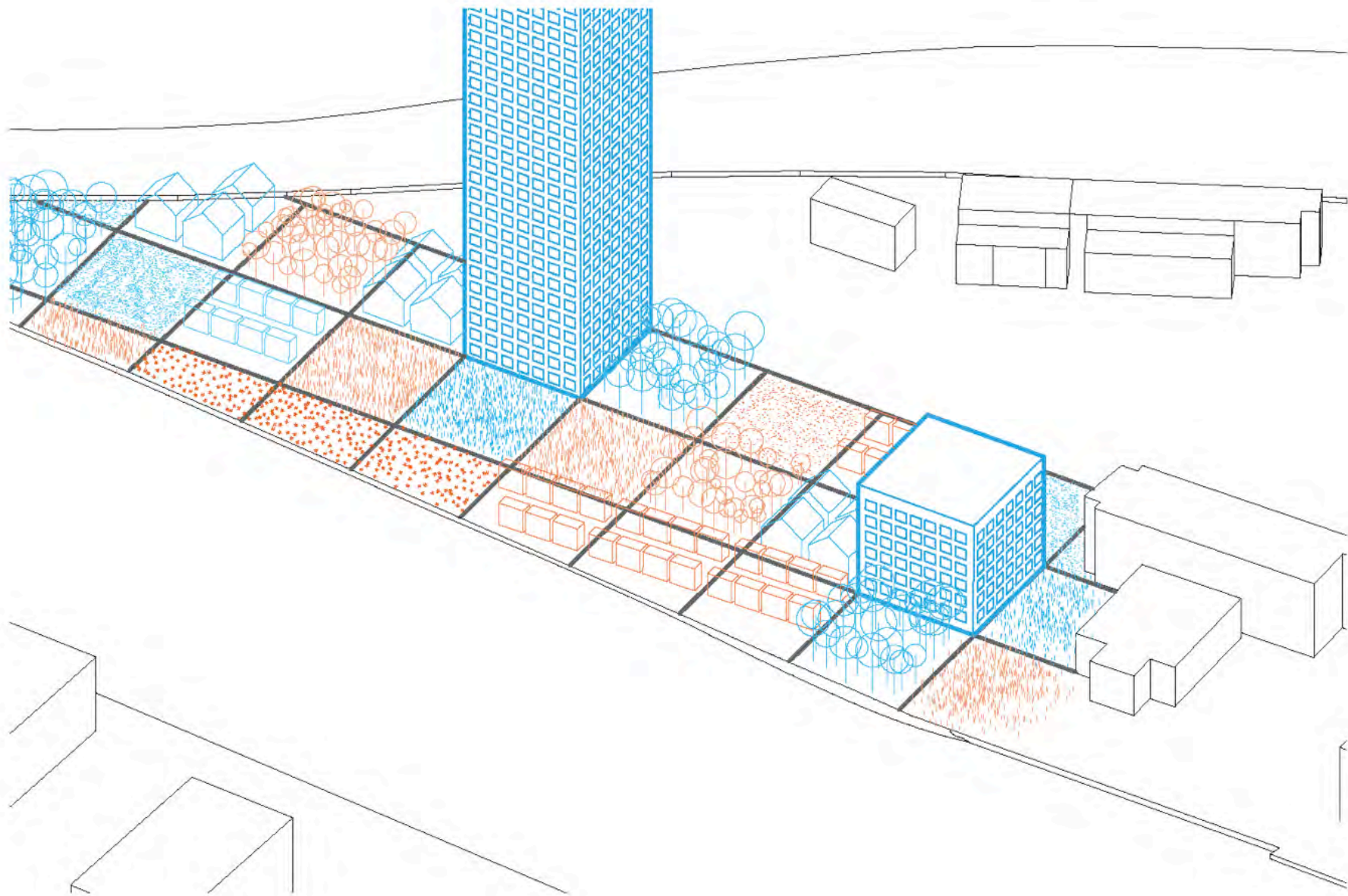


**19:00**

Pablo returns from grocery shopping, but there's a concert going on. He can't get through in his wheelchair.



**What if the site is divided  
by program?**



Sharing by Visibility  
Sharing by Expression  
Sharing by Access  
Sharing by In-Efficiency  
Sharing by Anonymity  
Sharing by Constriction

# weShare Berlin

**AN** THE AEDES  
**CB** METROPOLITAN  
LABORATORY

**t? f**  
The Why Factory



IIT College of Architecture  
ILLINOIS INSTITUTE OF TECHNOLOGY