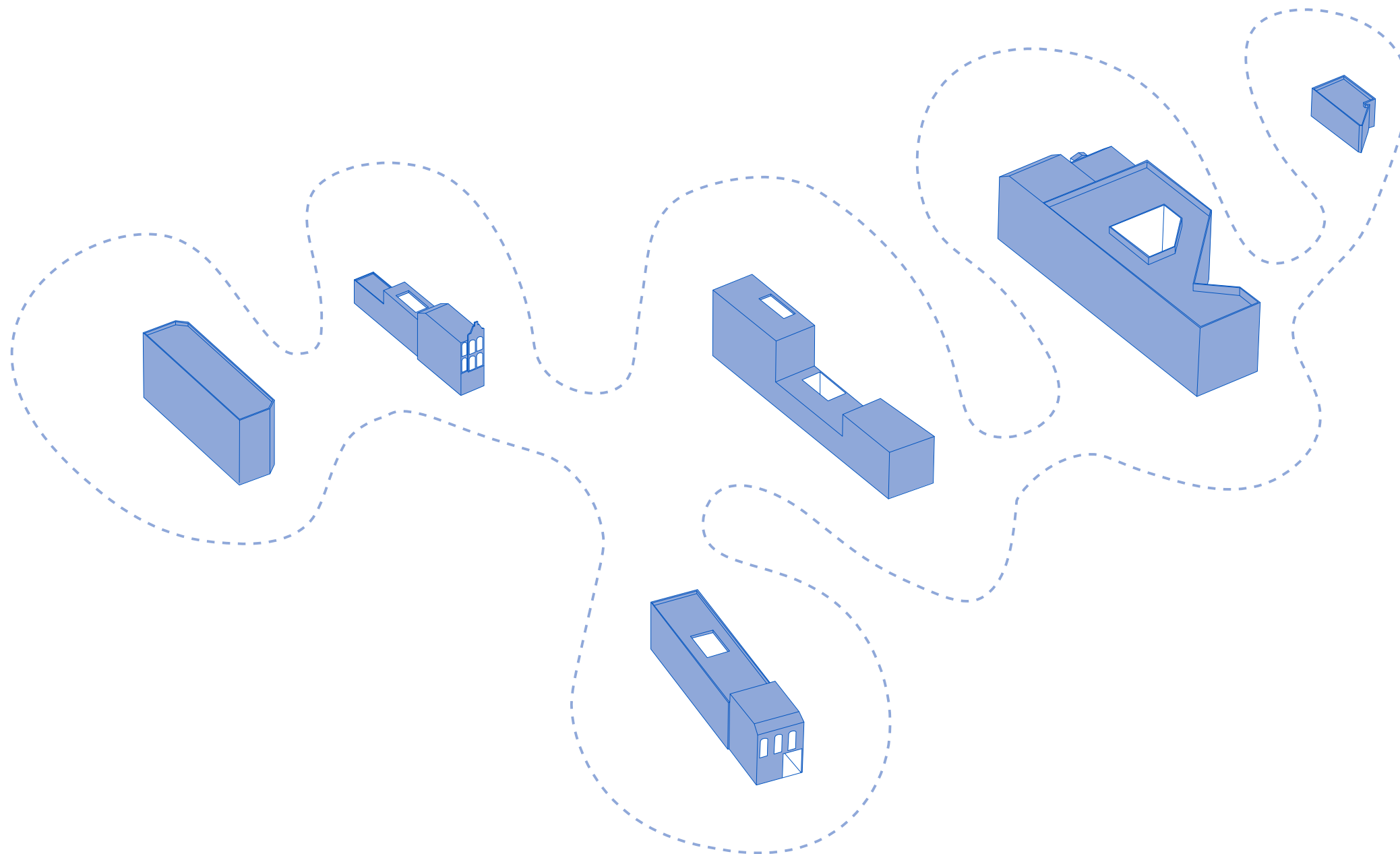




AWAKENING TOWNS, TO REUSE THE UNUSED
A chain of recycling plastic clusters

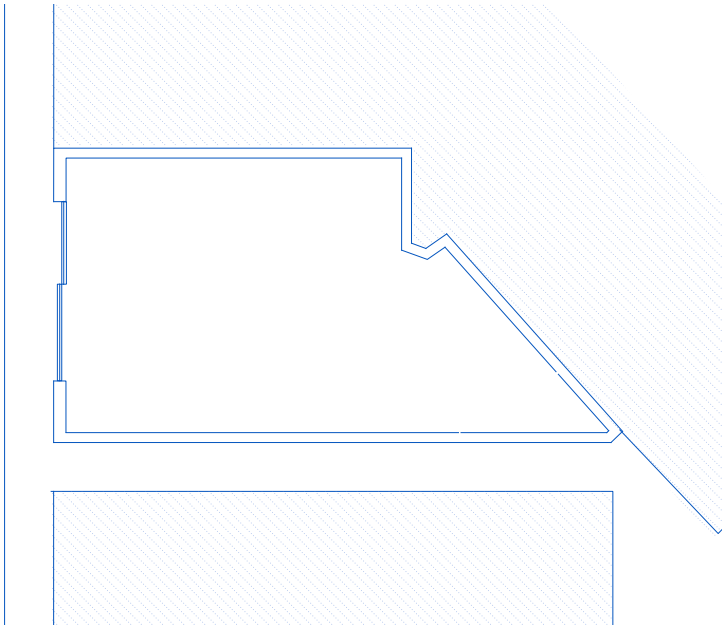




The chain

Building A

Reception



.Existing plan



.Existing facade of the building A

Building A : The reception

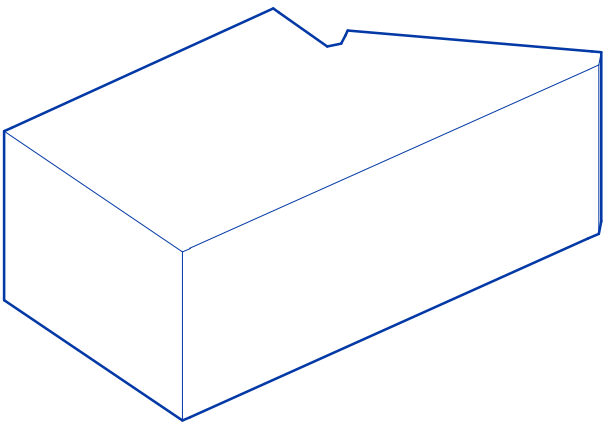
This small existing vacant shop, located in the beginning of the main shopping street in the center of Heerlen.

The choice of this space is mainly related to its proximity to Heerlen station, to Heerlen 's doors, which will attract directly people to enter it.

This small vacant shop will be transformed to a reception that is connected to the rest of the recycling plastic chain Simply designed to serve it purpose which is actually inviting people to know about the chain, to be interested in and therefore be part of it, buy ticket to attend classes, or lectures.

The space itself is composed of a pure square, where in one of its sides screens are fixed for people to browse and know more about the process of integrating the chain. With a central reception to buy tickets and get information.

The back part is intended for the stuff working in the reception.

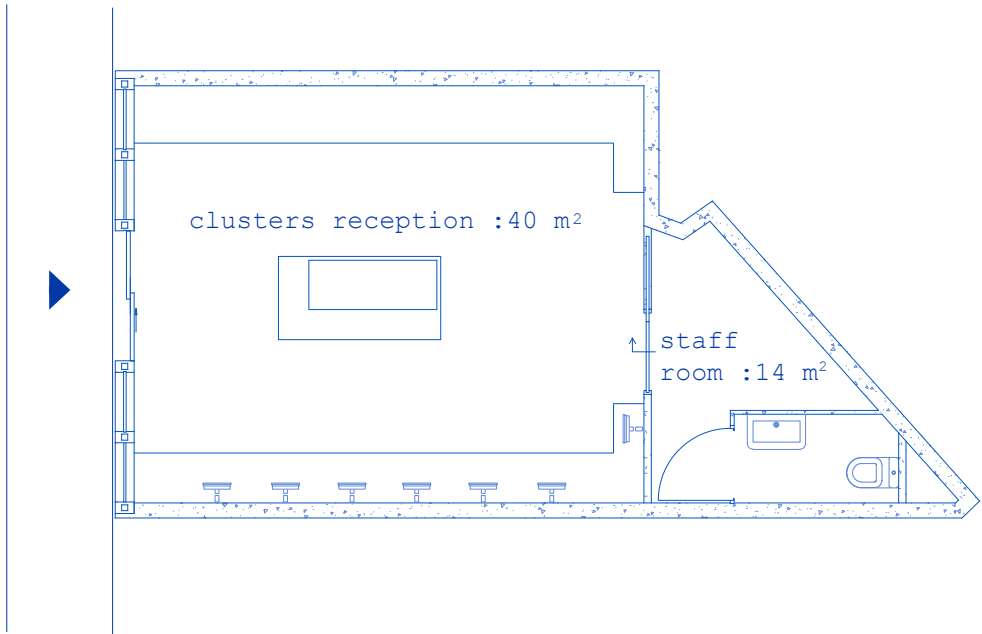


.Existing volume of the building A

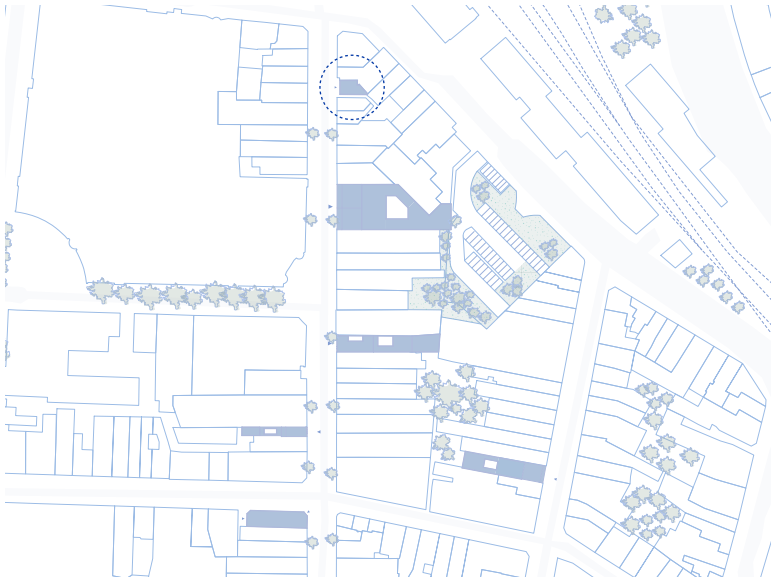


.Building A

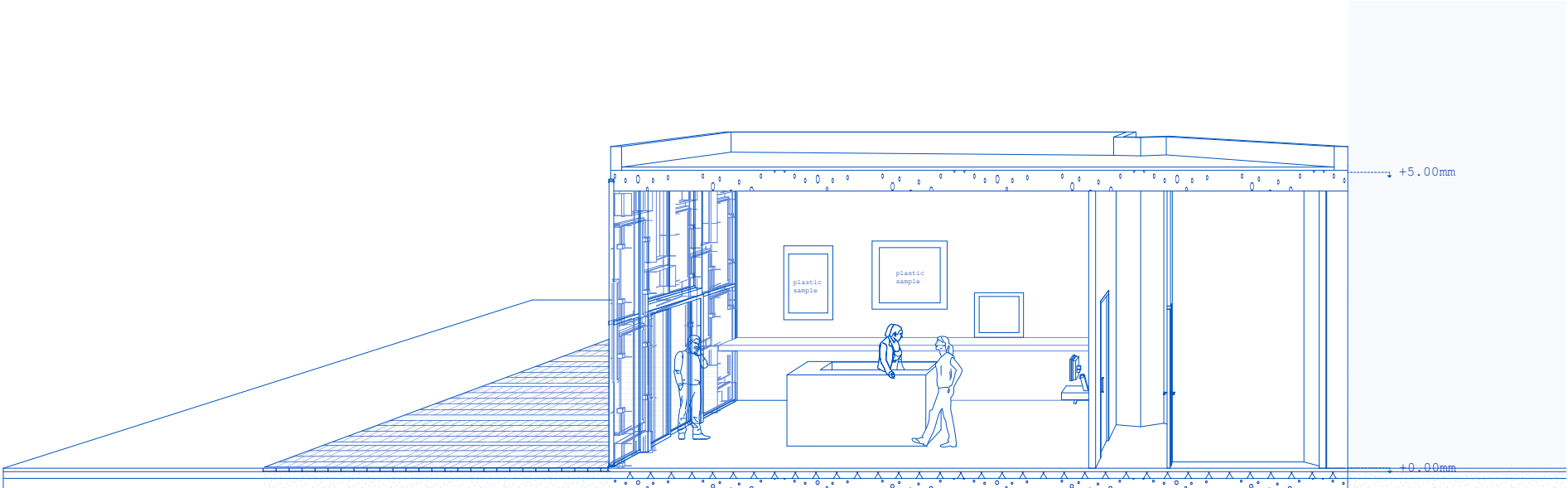
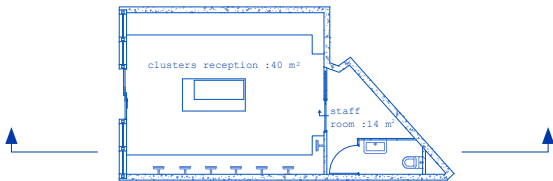
Building A
Reception



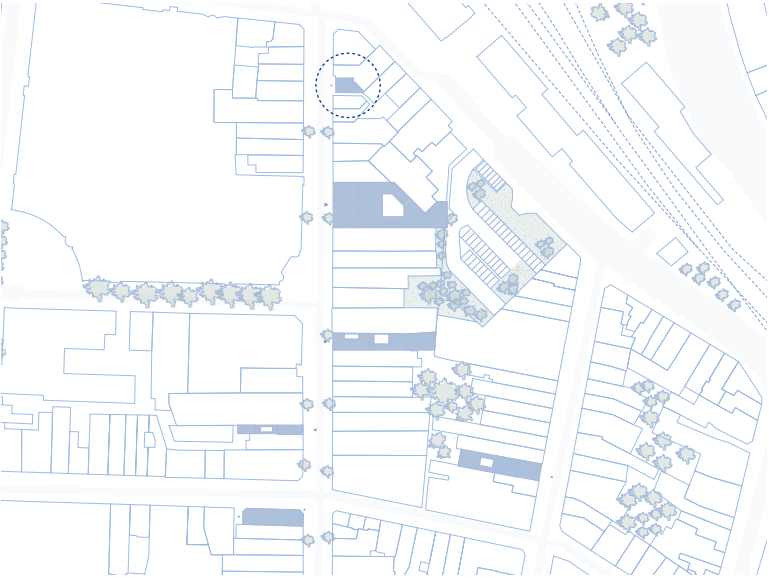
Ground floor 1:100



Building A
Reception



section 1:100



Building A

Reception



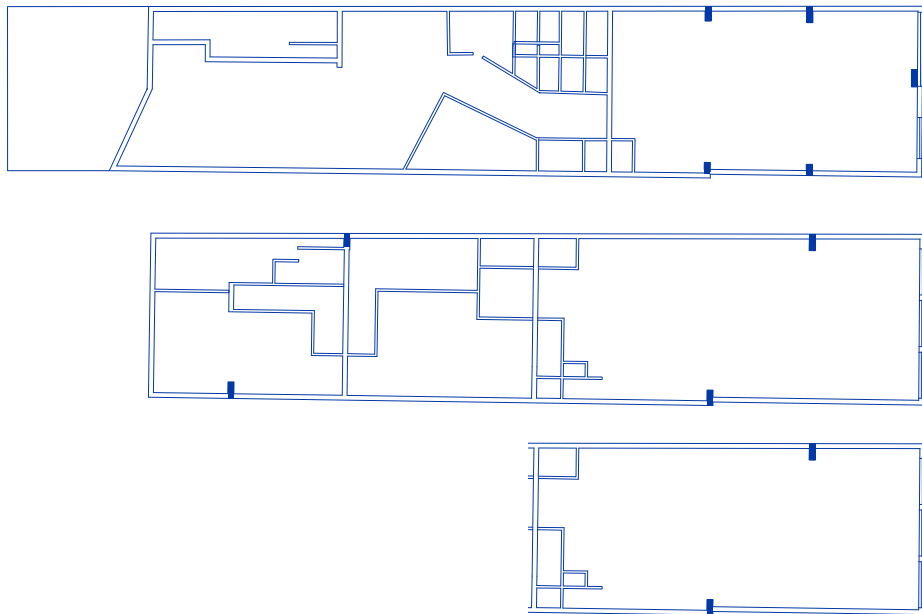
View from the reception



- .Located in the center of Heerlen
- .vacant since 2016
- .Constructed in 1930 with a surface of 200 m²
- .Former esthetics's space

Building B

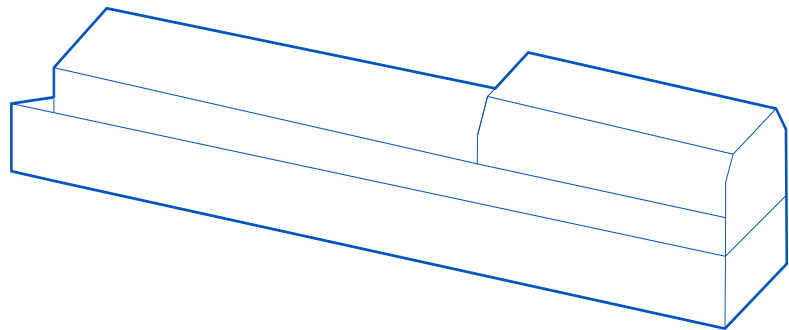
Storage for plastic waste



.Existing floors plan



.Facade of the building B



.Existing volume of building B



.Inside the building B

Building B : The storage plastic waste

This existing vacant shop located in the back of the main shopping street in a narrow and less active street.

The choice of this vacant shops is related to its location and the idea to make a vacant shops located in a such street active and alive.

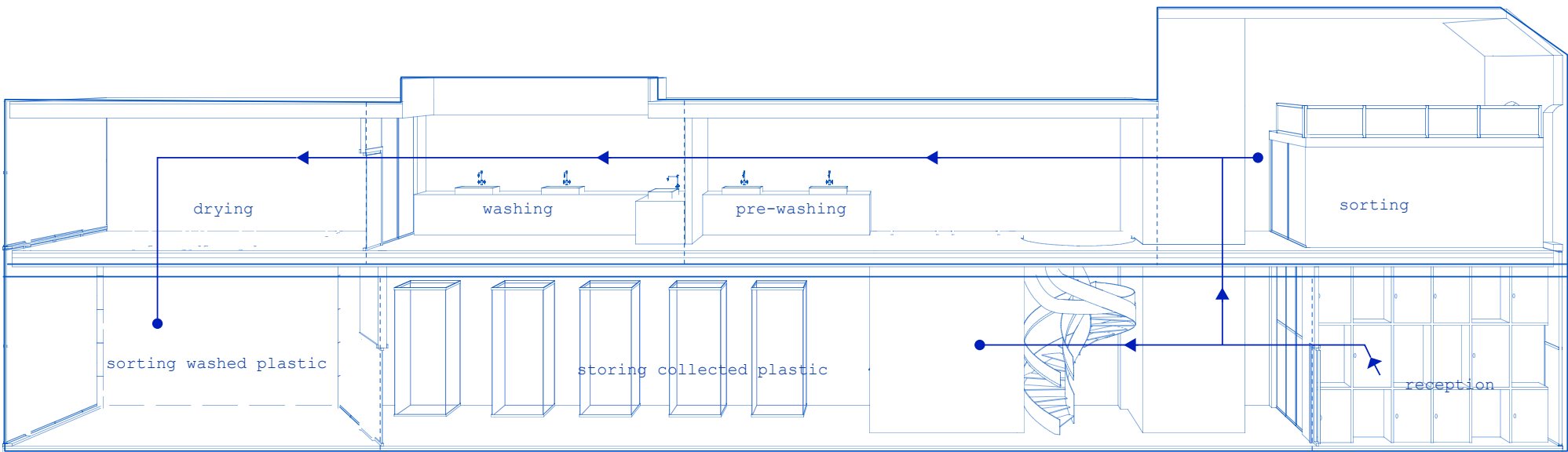
The idea of this building is about storing plastic waste that could be collected from other shops around, houses, or even garbage in the street that is stored in multiple aquariums (in the ground floor) organized in two different categories : aquariums for unsorted plastic waste and aquariums for washed and sorted plastic.

The process inside starts from collecting the waste and storing it in the aquariums, sorting it from other waste , cleaning it from dirt washing it, drying it and then string is according to its type/ color/ size in the aquariums intended for storing washed plastic waste .

In order to make such a miniature factory environment it is importantly to think about the space which divided into sequences to break the length of the long building, create a setback in the facade for depth but also to provide a parking space for the van that is brining the waste to the inside.

Building B

Storage for plastic waste



The process of storing the plastic waste, go throughout many steps.

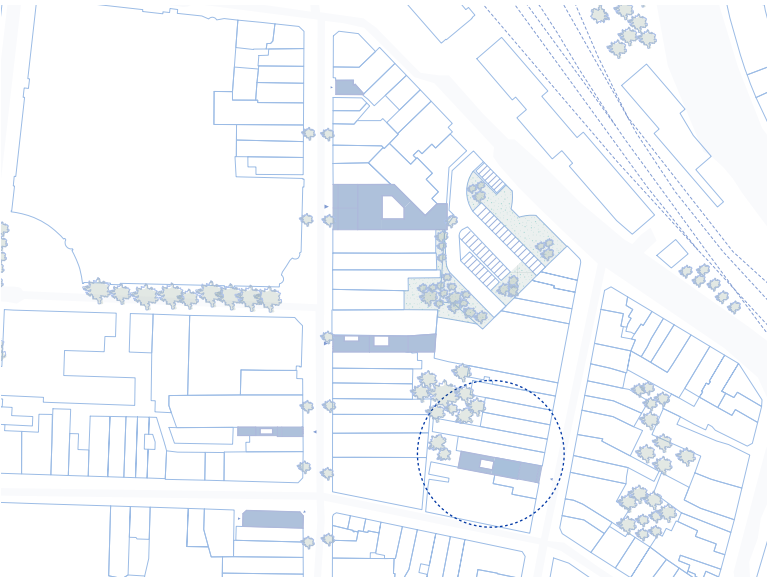
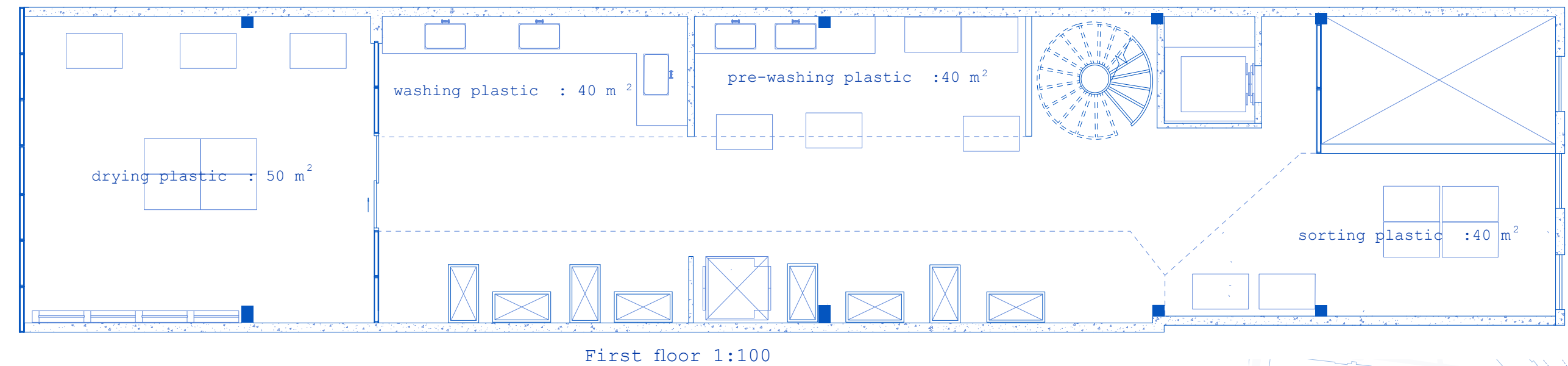
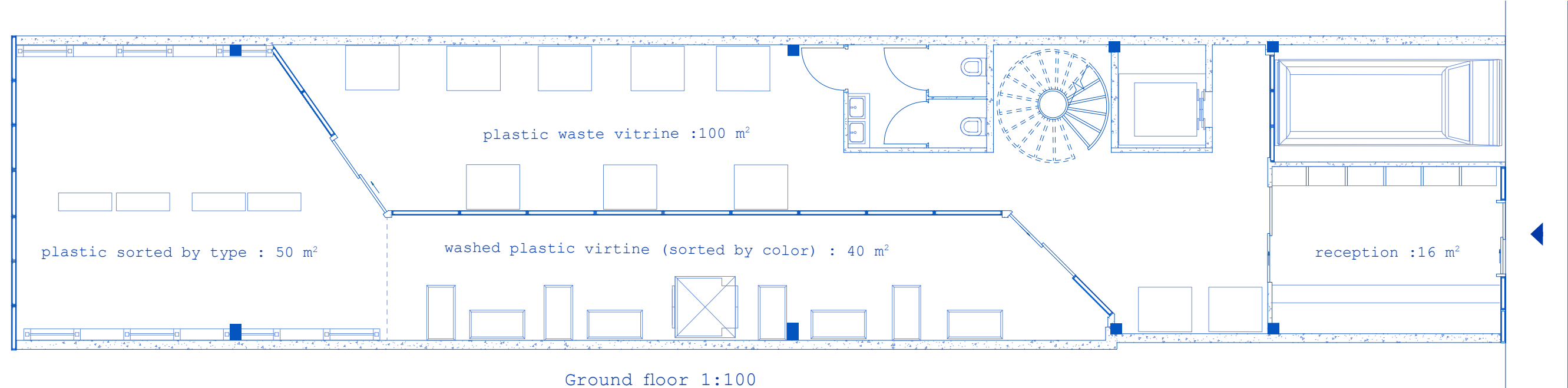
It starts from the reception where a van come to deliver the waste that was collected from the neighborhood (houses, shops, parks..)

It's stored in vertical aquariums on the ground floor, the waste is then sorted on the first floor, and separated from normal waste etc. Later the plastic waste goes into the pre-washing space where it's been cleaned from dirt, to be washed after in the washing space.

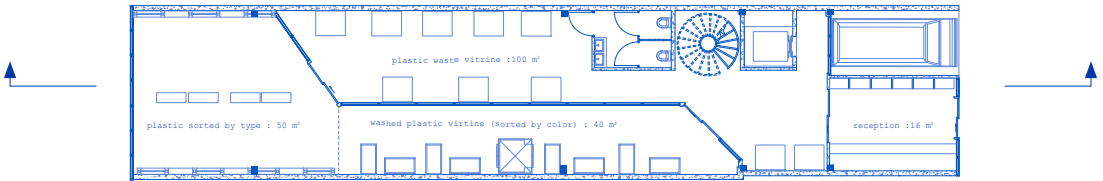
The last step of the storing process is drying which is the last space on the first floor. When the plastic dried it's been sorted in there and there thrown to the other aquariums on the ground floor where the washed plastic is sorted by types, colors and size

Building B

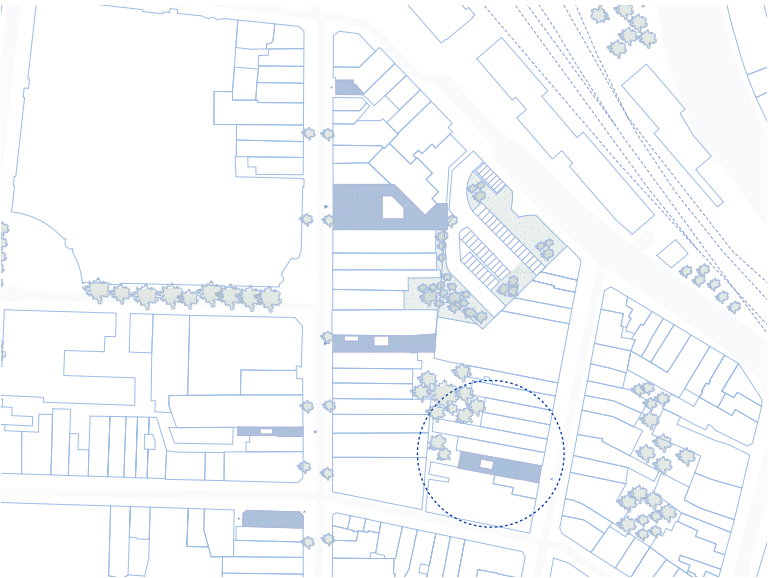
Storage for plastic waste



Building B
Storage for plastic waste



section 1:100



Building B
Storage for plastic waste

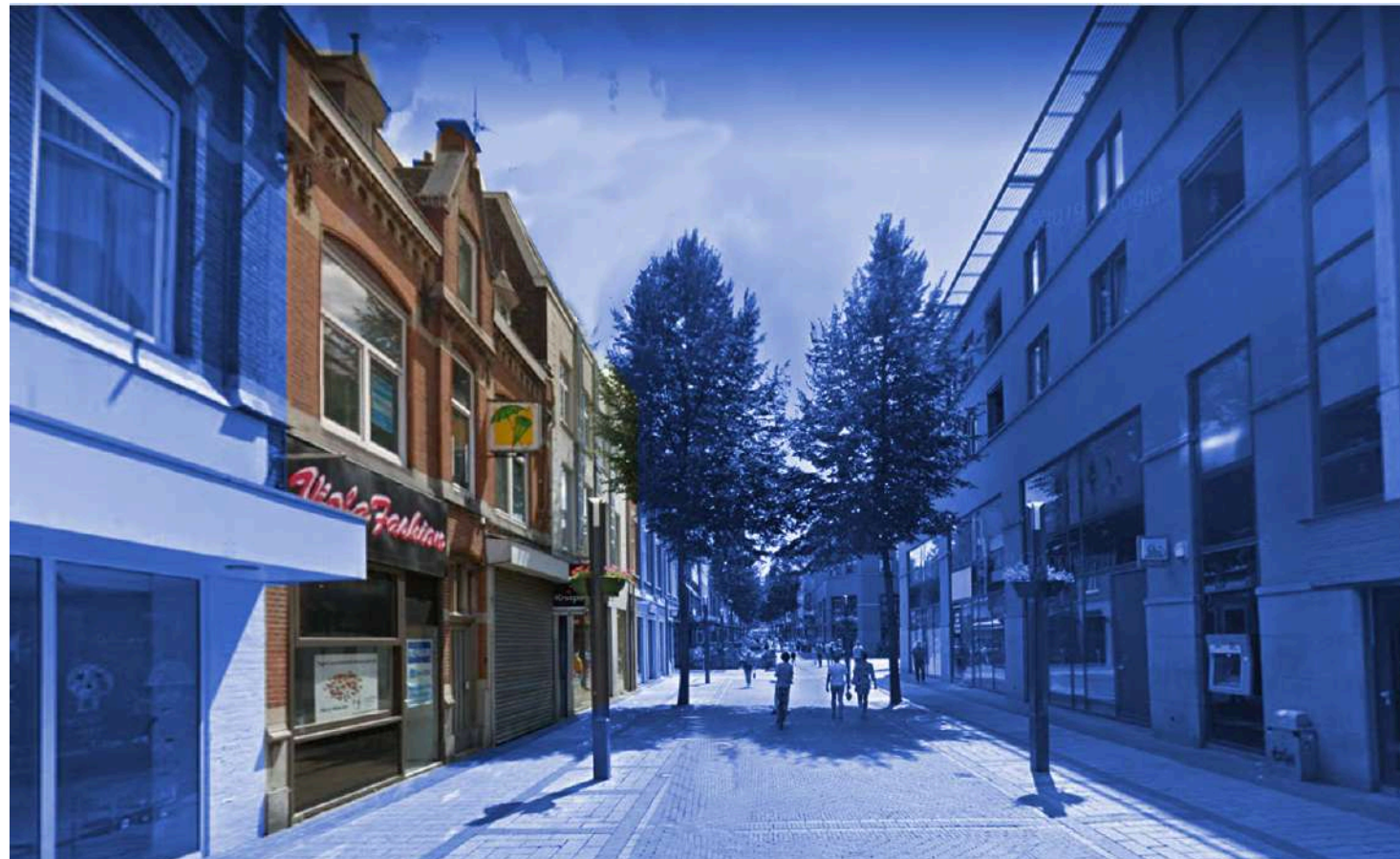


View from the plastic waste aquarium

Building B
Storage for plastic waste



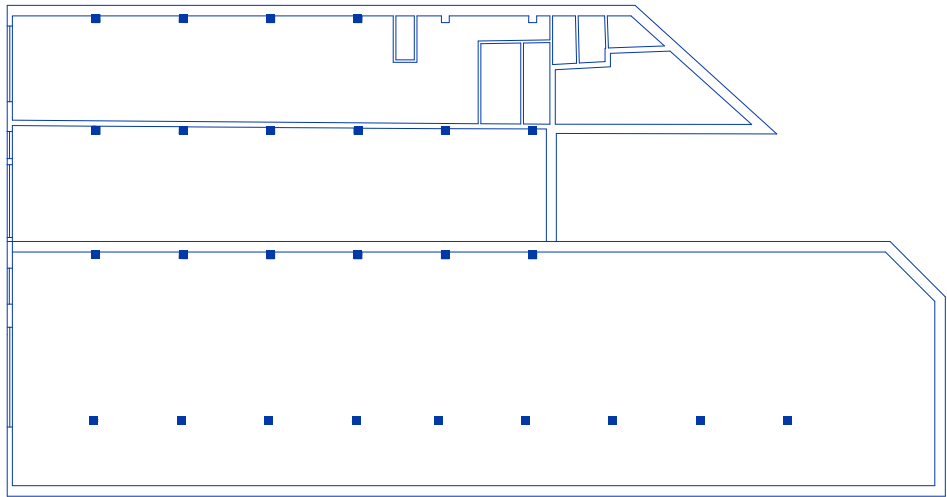
View from the drying space



.Located in the main shopping street of the
center of Heerlen .vacant since 2015
.Constructed in 1931-44 with a surface of 100 m²
. Store/cafe as a main function

Building C

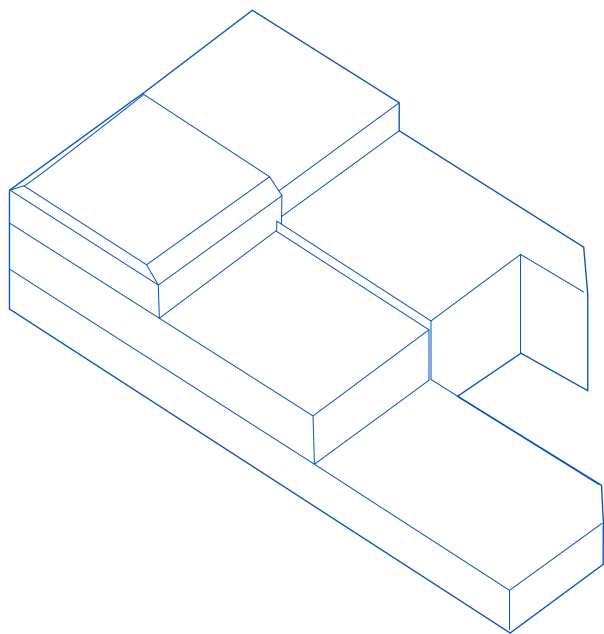
Workshop & Research lab



.Existing floors plan



.Facade of the building B



.Existing volume of building C



.Inside the building B

Building C : Workshop & Research lab

The existing vacant shops are two adjacent buildings, with a front facing the main shopping street and the back facing a parking space, one of the two buildings has been built in the beginning of the 19s.

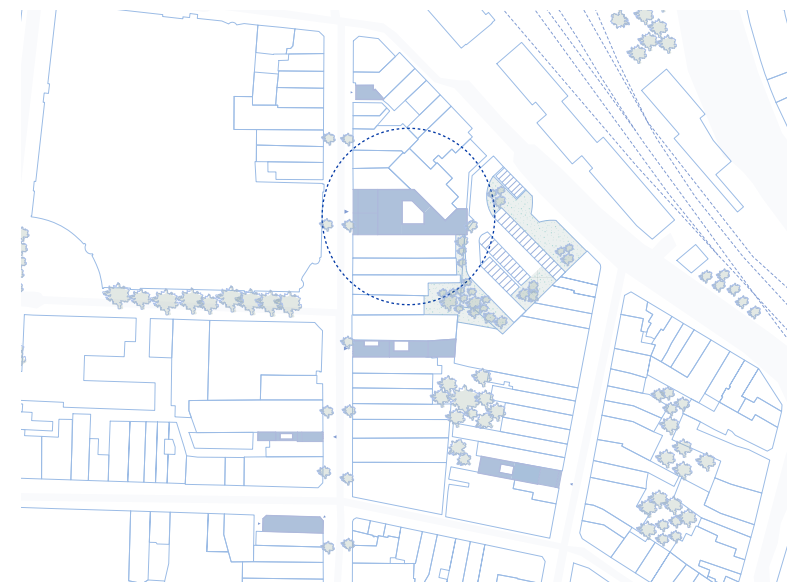
The idea is to enlarge the space inside by bringing the two spaces together, and that is where the workshop space is, a space intended for making products out of recycled plastic, by using 3D printer or handmade recycling machine from leftover metal.

The existing two buildings are extended to the other facing street, that is where the research lab is. The reason for the extension is two firstly make the buildings visible from the main road, where it's less busy and there are less activities taking place, also to revive this green laying taken by cars and used as parking lot. Misused in my opinion.

On the first floor more educative functions are taking place and administrative offices, and two conference rooms.

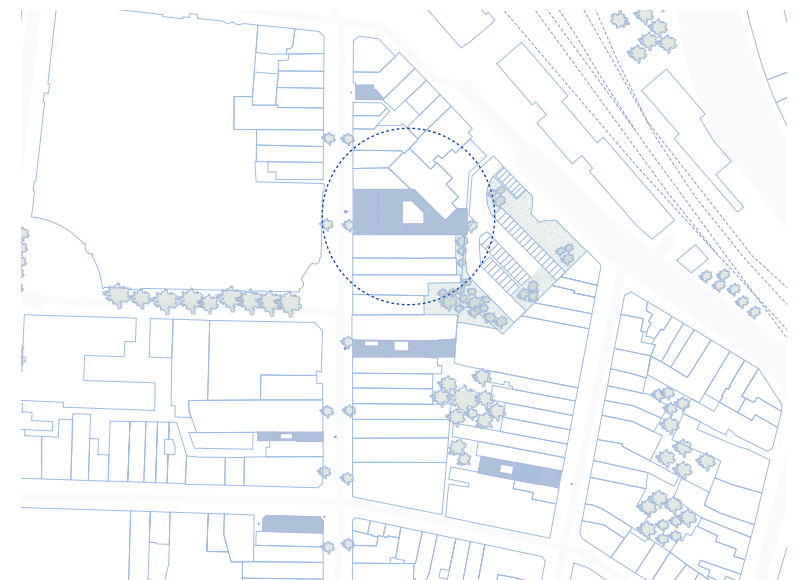
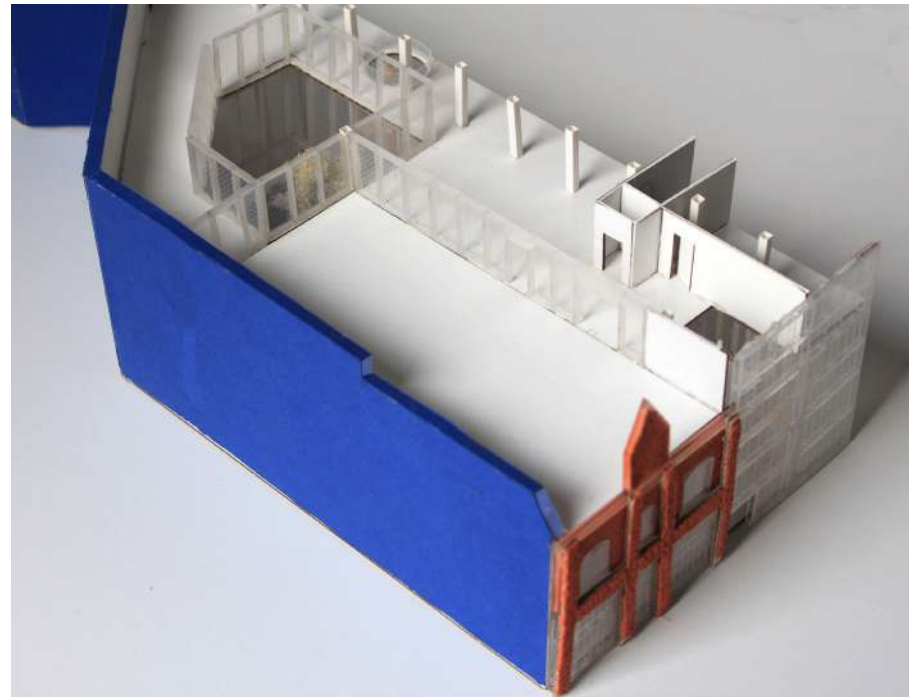
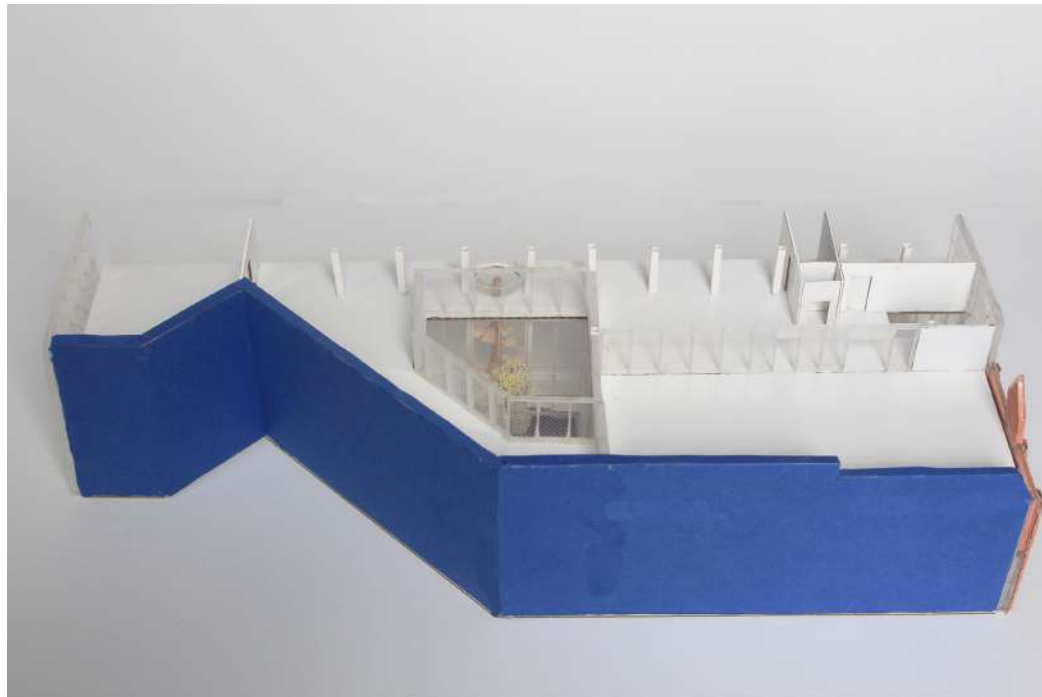
Building c

Workshop & Research lab



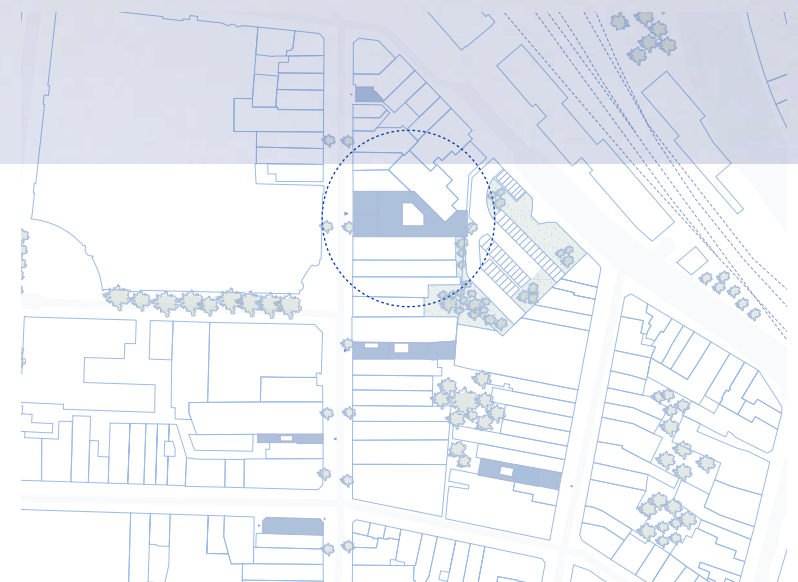
Building c

Workshop & Research lab



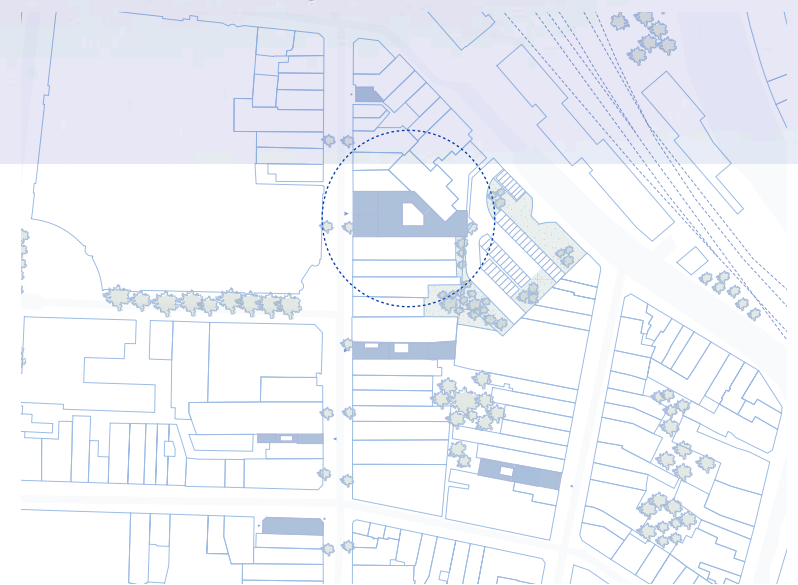
Building C

Workshop & Research lab



Building C

Workshop & Research lab



Building c
Workshop & Research lab



View from the workshop

Building c

Workshop & Research lab



View from the research lab

Building c
Workshop & Research lab



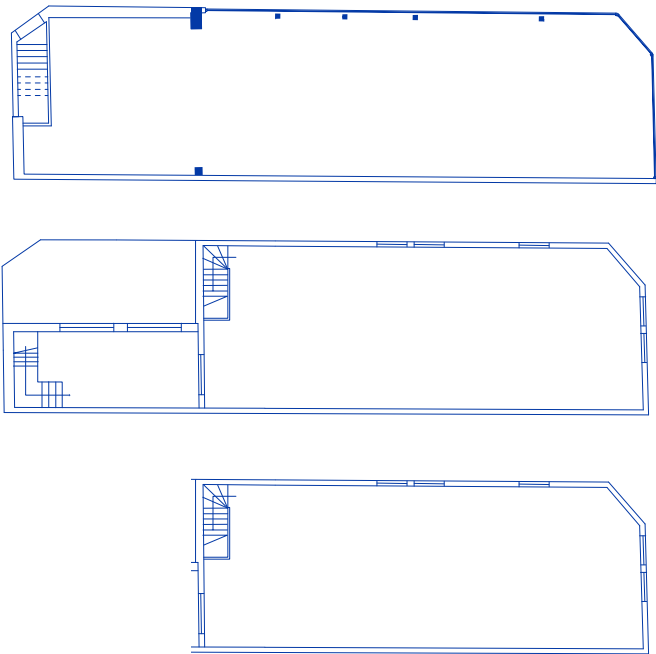
View from the cafeteria



.A corner shop, located in the main shopping street of Heerlen .vacant since 2019
.Constructed in 1934 with a surface of 218 m²
. Store as a main function with storage

Building D

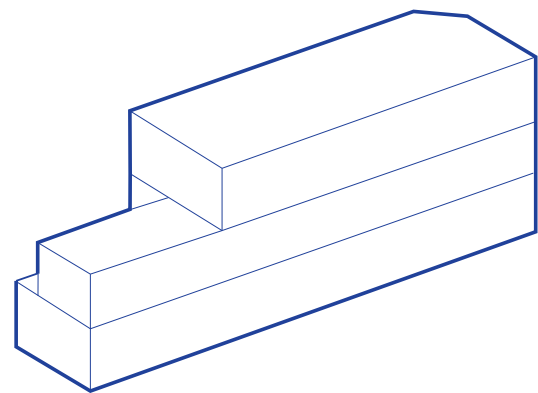
Gallery and plastic products shop



.Existing floors plan



.Facades of the buildings



.Existing volume of building D



.Facades of the buildings

Building D : Gallery and plastic product shop

This existing vacant shop located in the corner on one of the shopping streets.

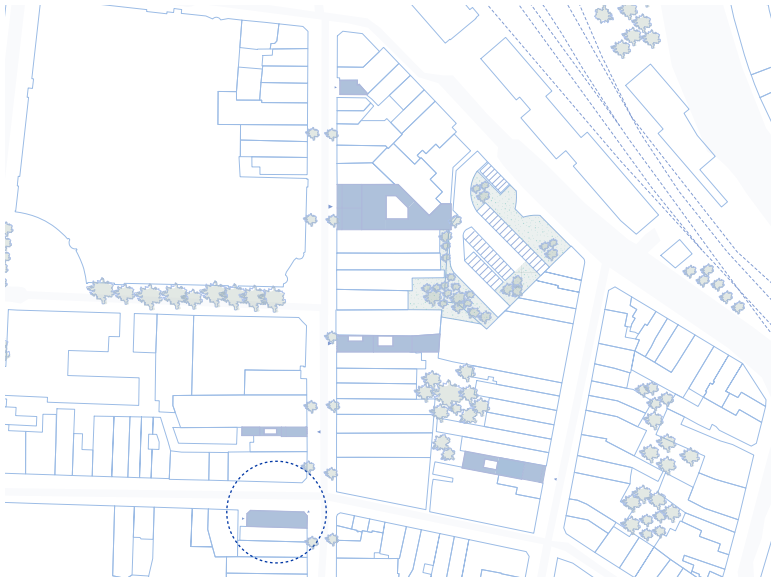
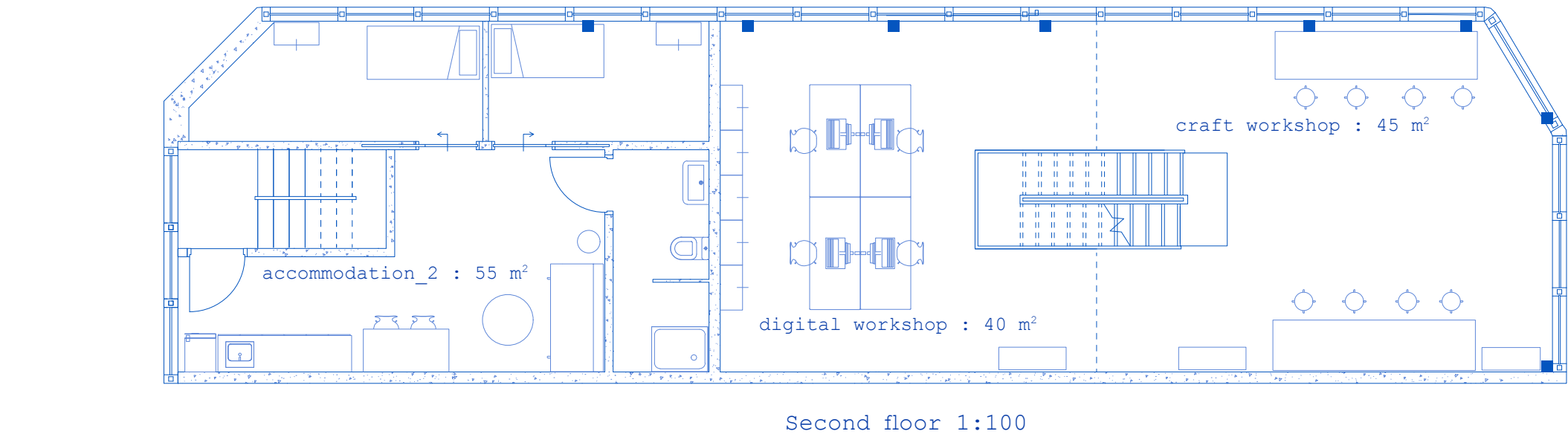
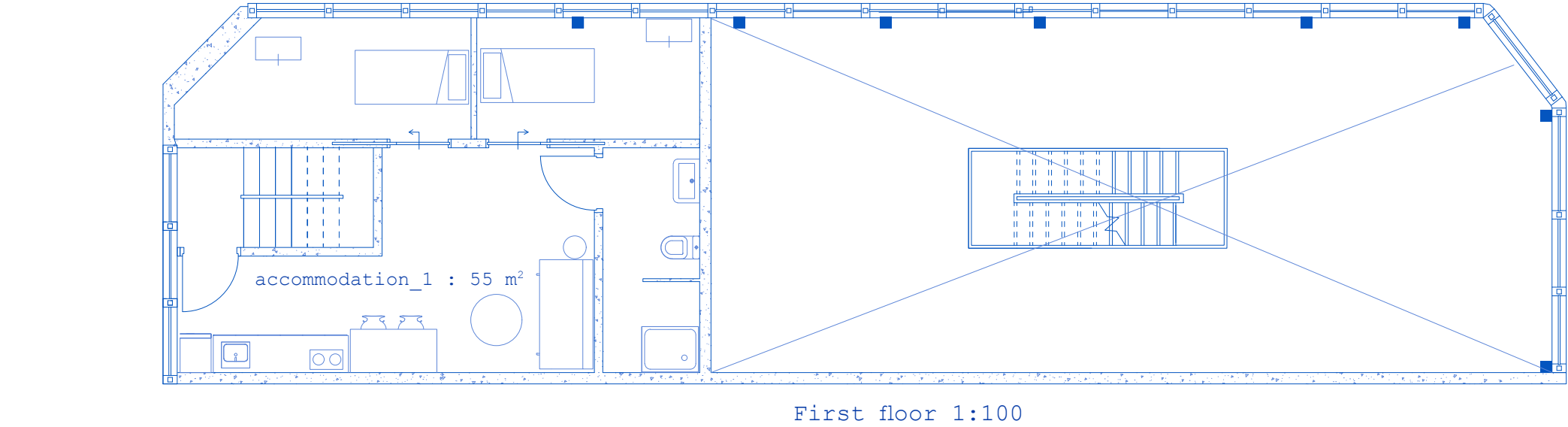
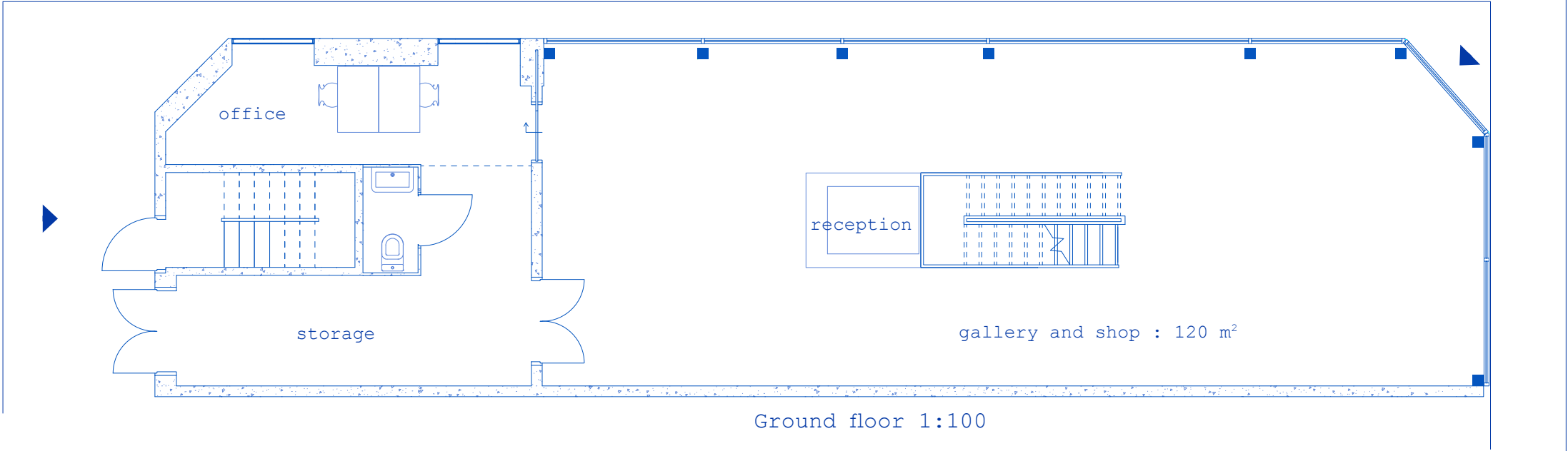
The choice of this vacant shop is related to its strategic placement, with two facades.

This vacant shop will be eventually transformed to a gallery where artists could exhibit their arts made out of plastic, but also sell products made of plastic that will be fabricated inside the workshops.

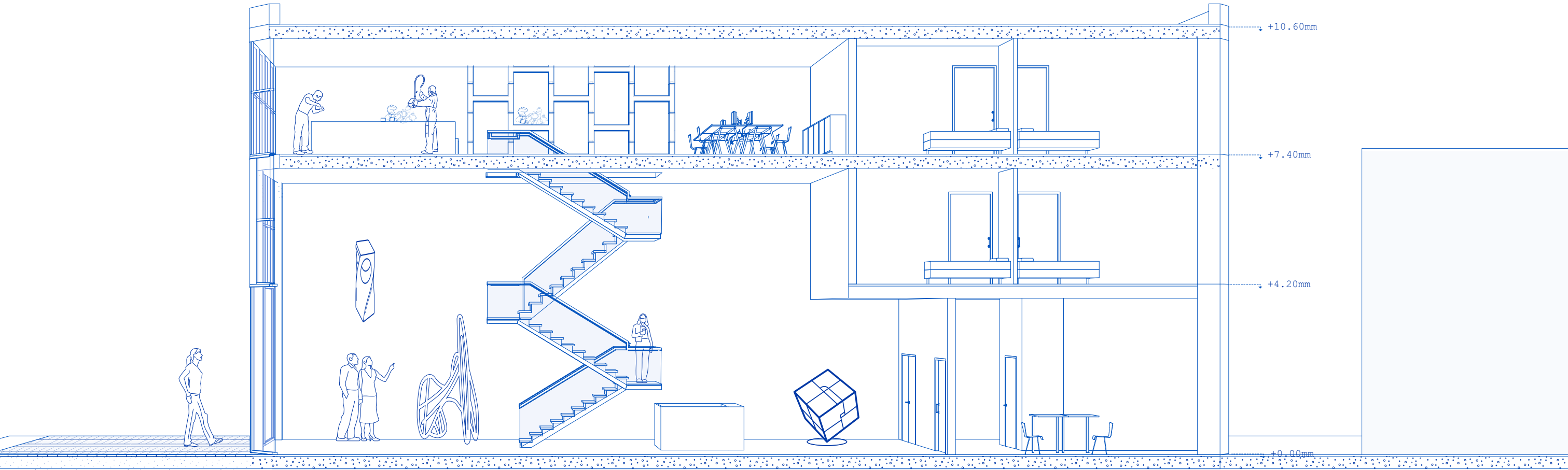
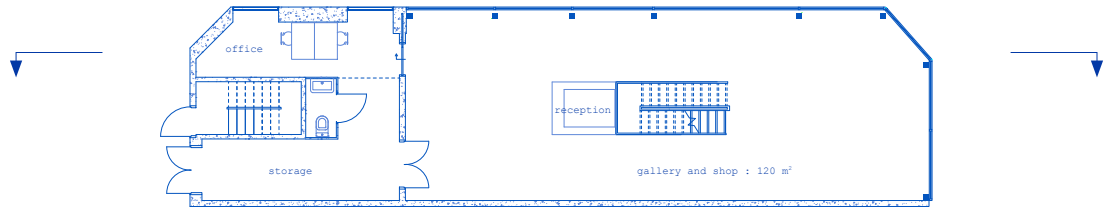
The gallery is a double height space, on the ground floor where art is exhibited, very light space where the glass of the facade has been preserved on the ground floor and the zinc on first and second floor has been replaced with a plastic frame and polycarbonate sheets.

The first floor is for one of the accommodation for the artists where they can stay and work in the workshop on the second floor that is as well shared with another accommodation and artists digital and manual workshop.

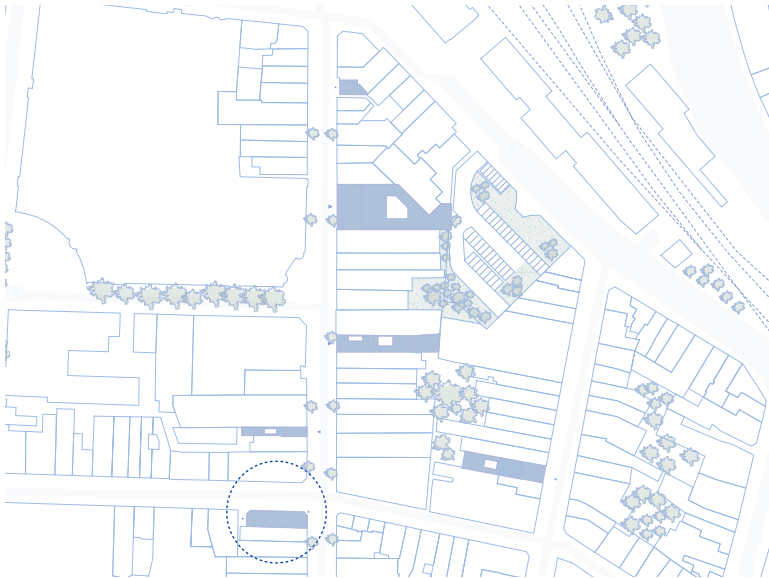
Building D
Gallery and plastic products shop



Building D
Gallery and plastic products shop



section 1:100



Building D
Gallery and plastic products sop

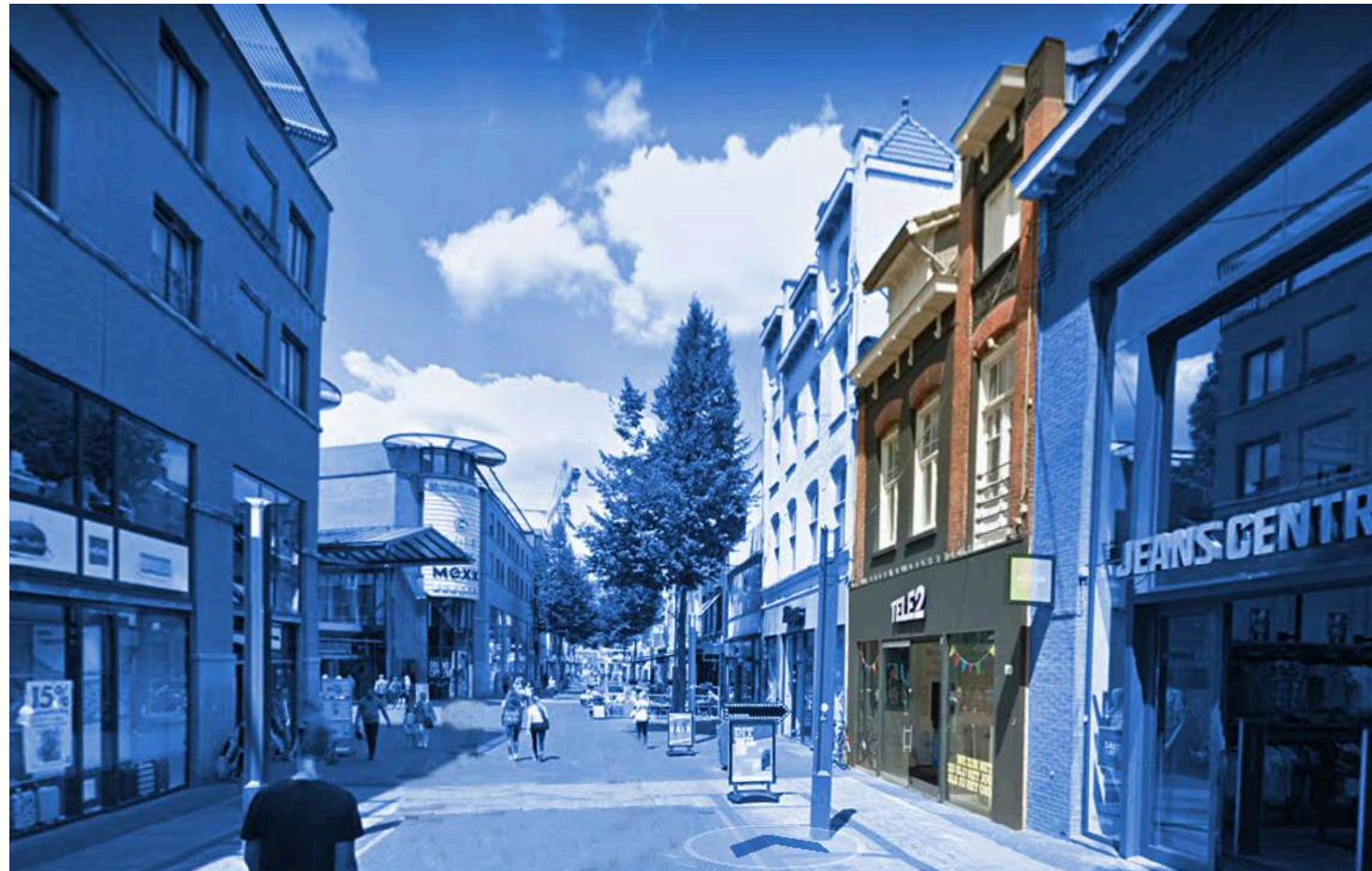


View from the gallery

Building D
Gallery and plastic products sop



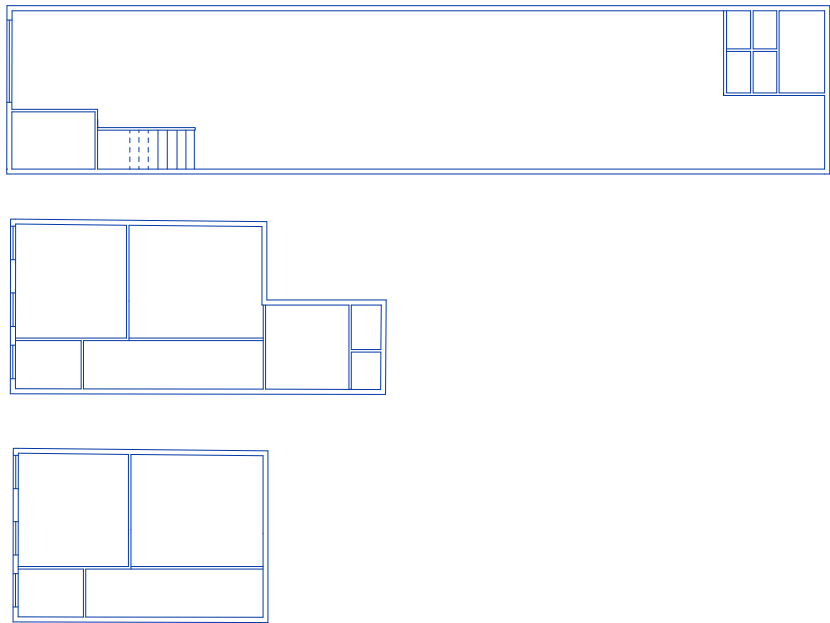
View from the artists workshop



.Located in the main shopping street of the
center of Heerlen .vacant since 2019
.Constructed in 1921 with a surface of 225 m²
. Store as a main function

Building E

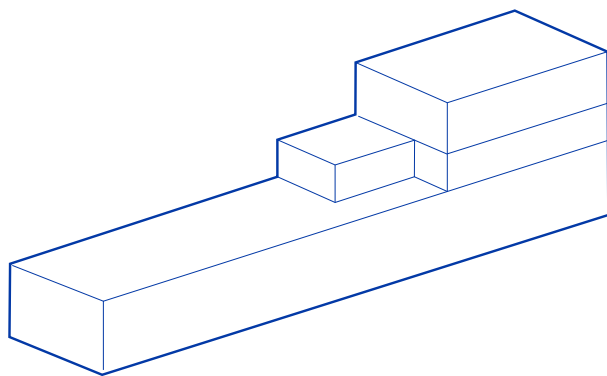
Hostel of the chain



.Existing floors plan



.Inside the building



.Existing volume of building E



.Inside the building

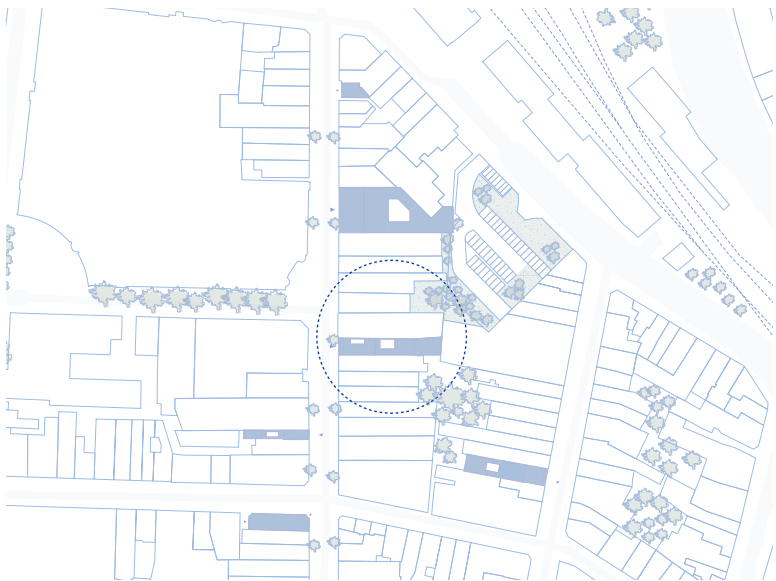
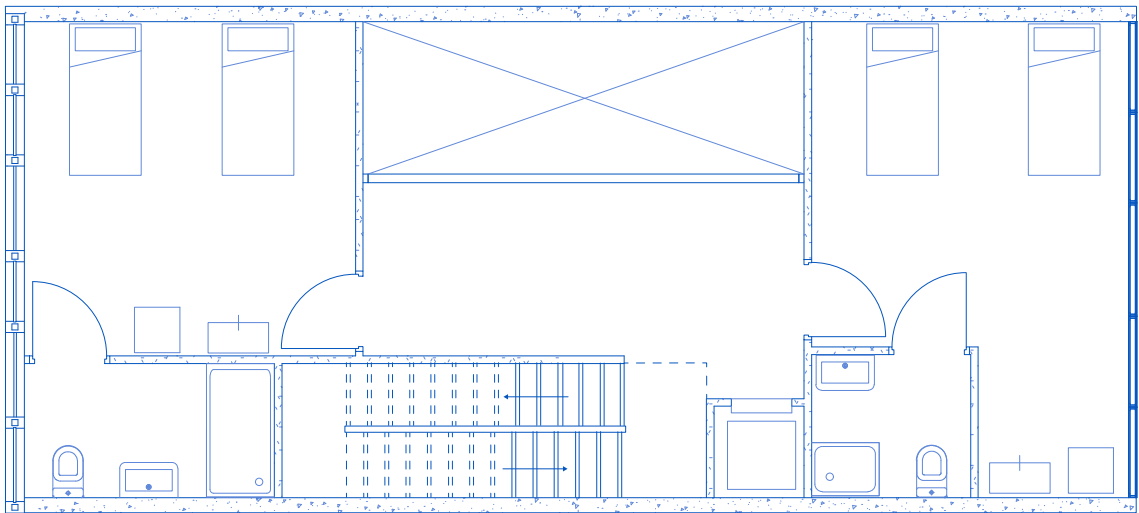
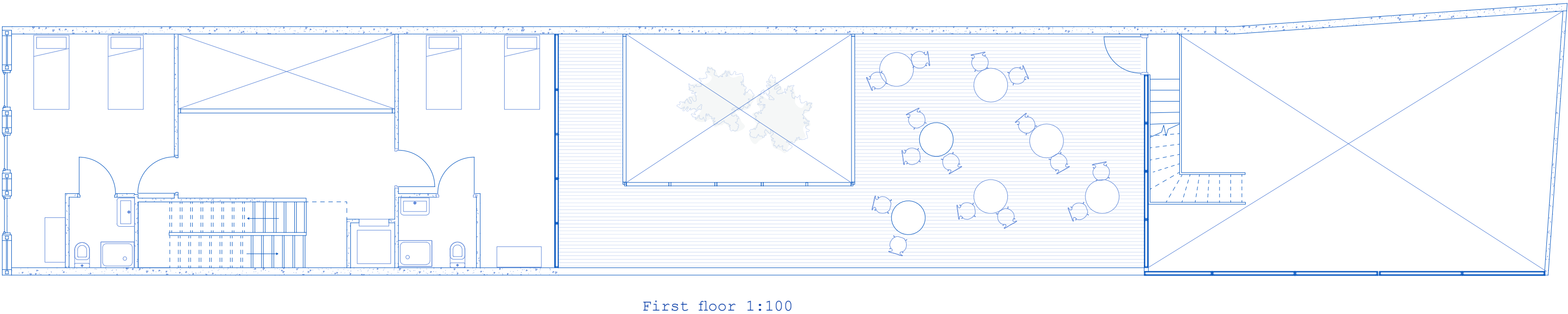
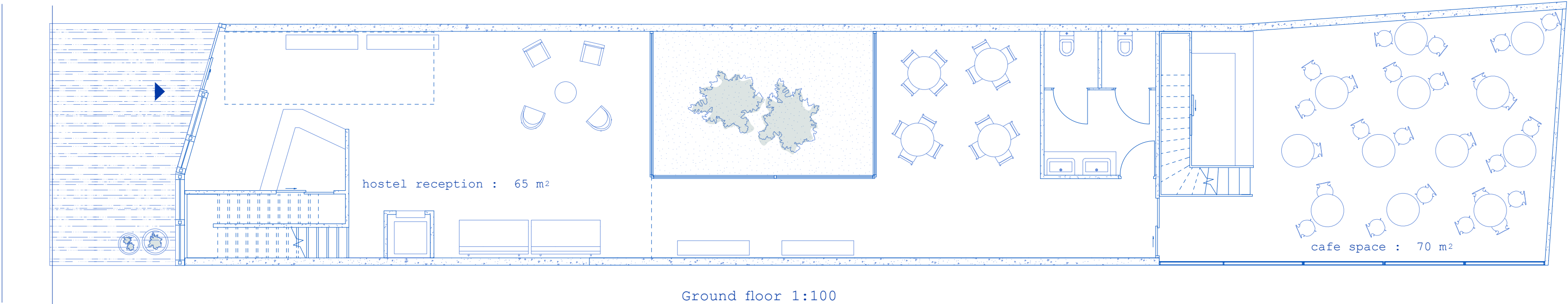
Building E: The hostel of the chain

This existing vacant shop located in between two buildings and connected to a courtyard shared with other buildings, which is one of the reason this vacant shops is been picked.

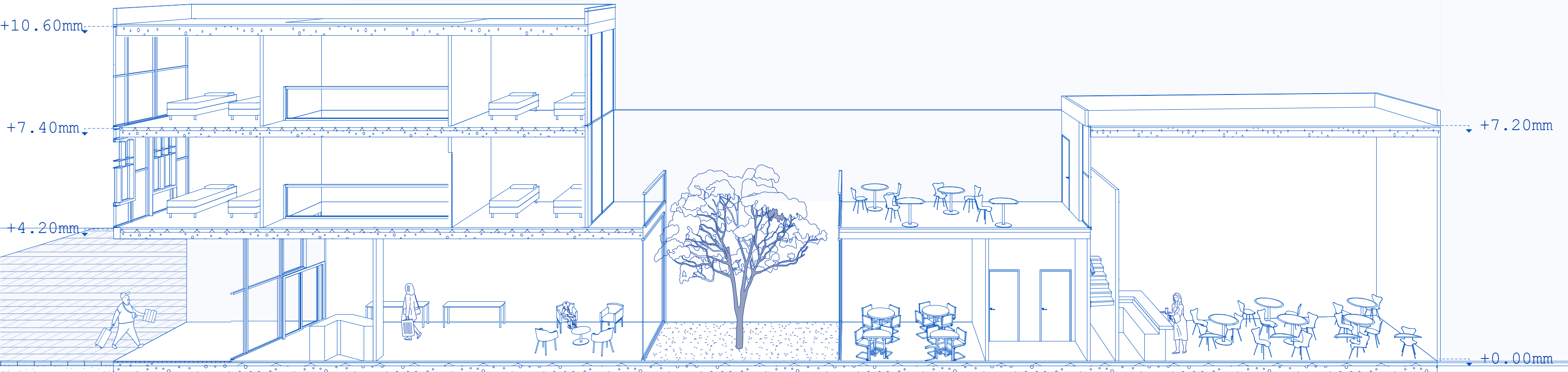
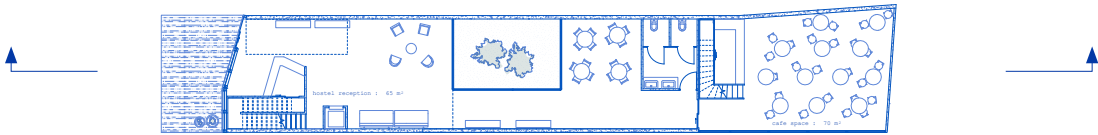
The hosting space is intended for the people who want to participate in the workshop, research lab activities, but also for the community of Heerlen who would come to the cafe, and enjoy this hidden place connected to the small backyard in the back.

This building situated between two buildings, very long and narrow as s space. The idea is to break it by creating sequences inside the building, starting from the reception, the patio, the lounge, and then the cafe. Allowing more light to the inside by creation sky opening, and a patio. Setting back the facade to create depth to the to the entrance.

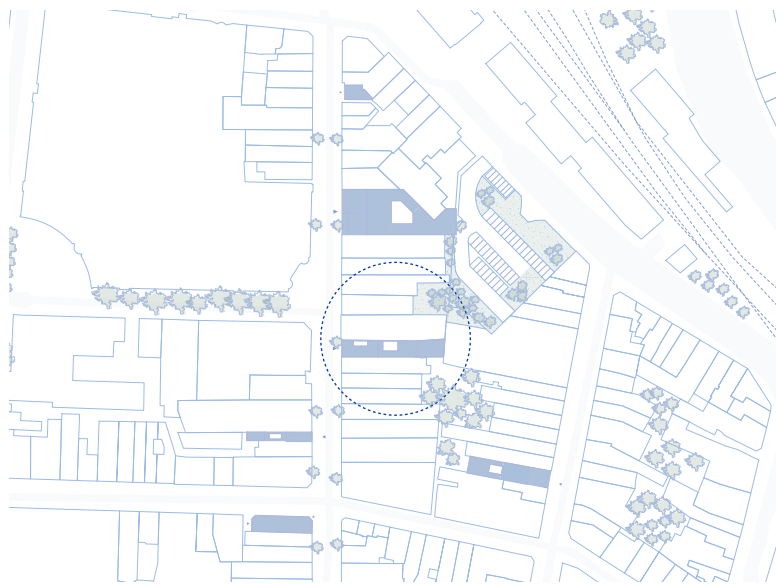
Building E
Hostel of the chain



Building E
Hostel of the chain



Section 1:100



Building E
Hostel of the chain



View from the hostel entrance

Building E
Hostel of the chain



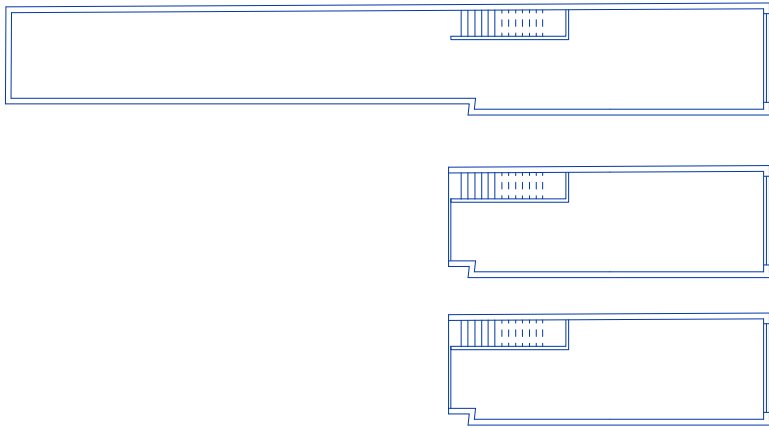
View from the hostel cafe terrace



- .Located in the main shopping street of Heerlen
- .vacant since 2018
- .Constructed in 1923 with a surface of 332 m² .
- .Store as a main function

Building F

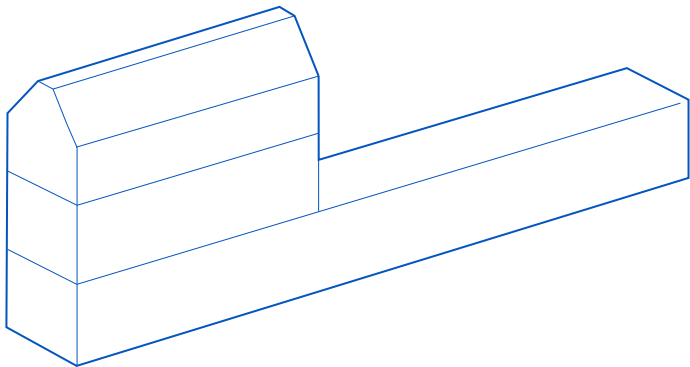
The library



.Existing floors plan



.Inside the building



.Existing volume of building F



.Inside the building

Building F: The library of the chain

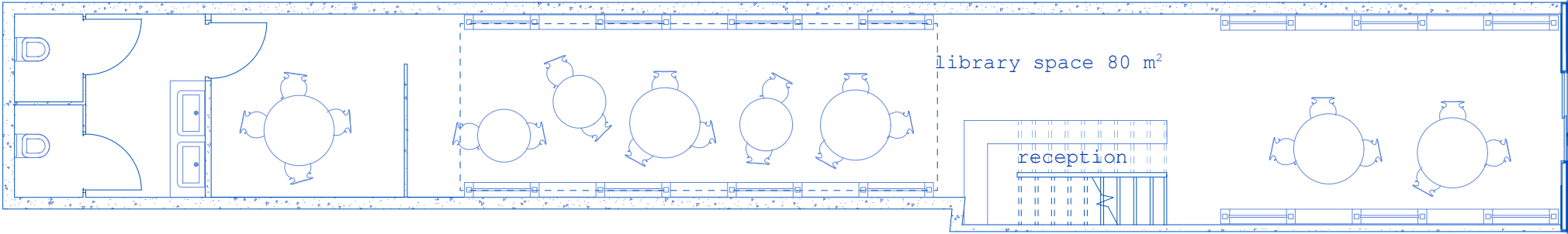
This existing vacant shop very long and narrow, located in between two buildings.

The library is a space where learning is taking place, a lot of knowledge about plastic, and its recycling process.

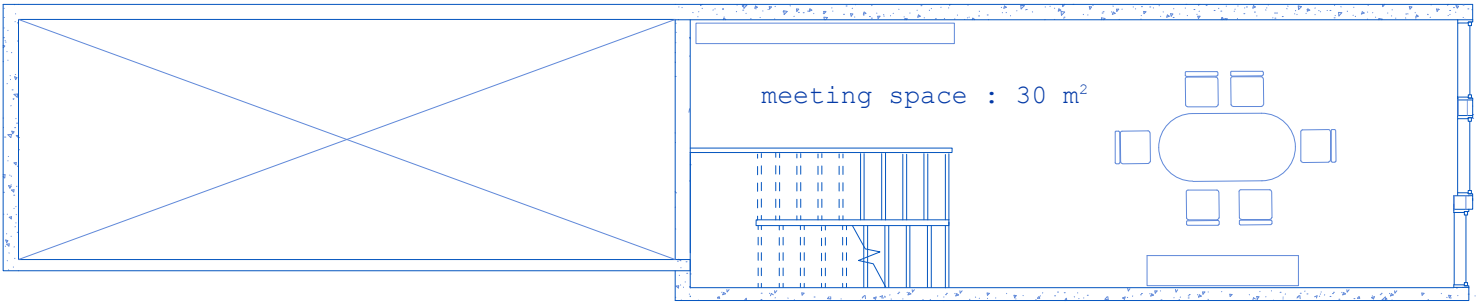
To break the long narrow space, the building is divided into sequences, and has a double height to bring more light.

The ground floor is public and is where the learning space, whereas the first and the second floor are semi-public and are meeting spaces for people from the workshop the research lab and the rest of the network where they could meet to discuss new insights and adjustment.

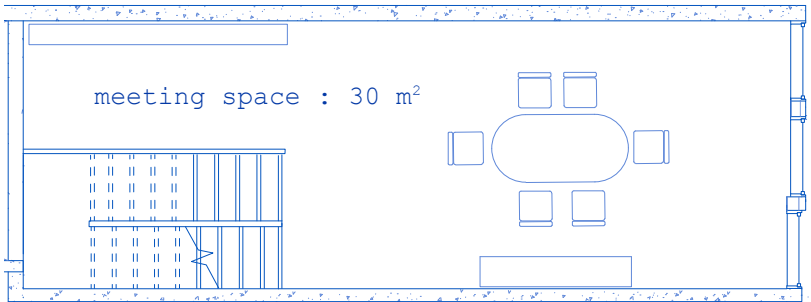
Building F
The library



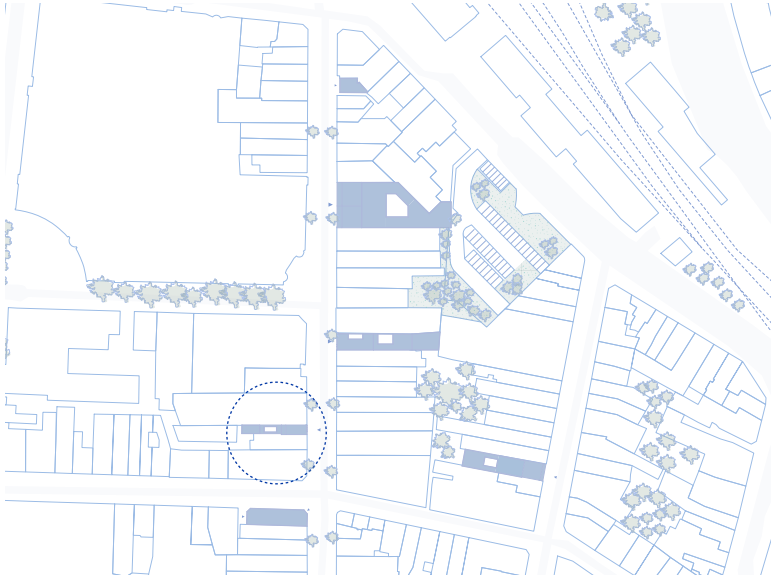
Ground floor 1:100



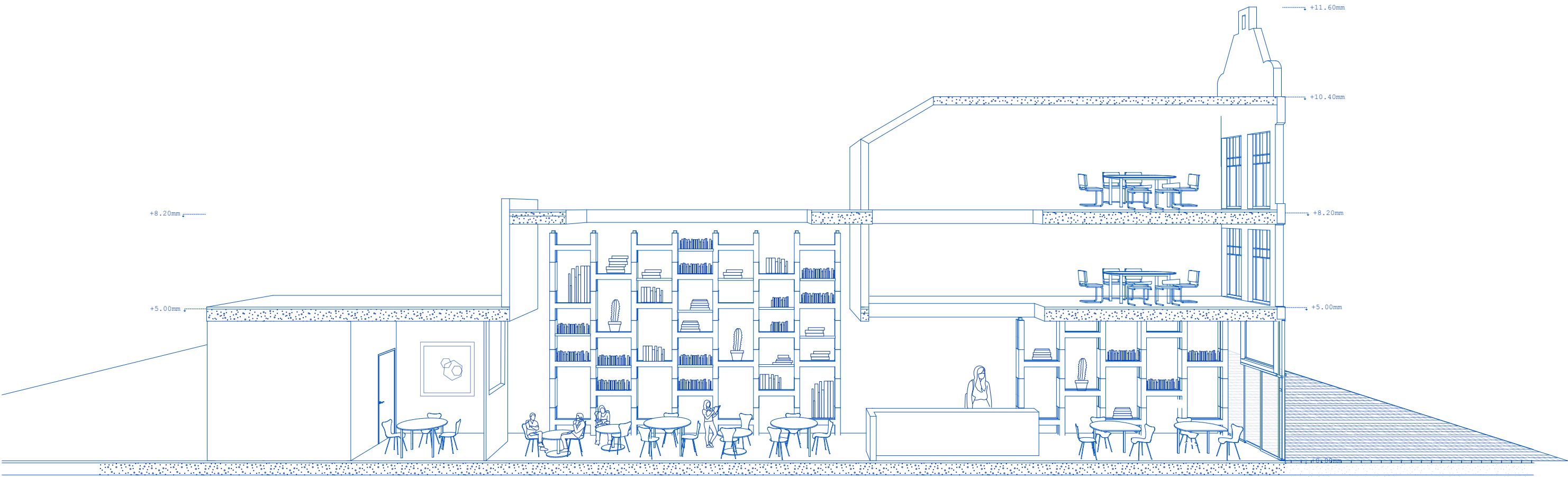
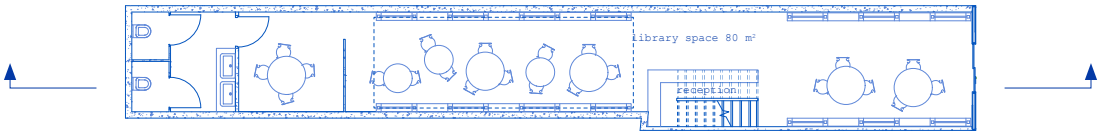
First floor 1:100



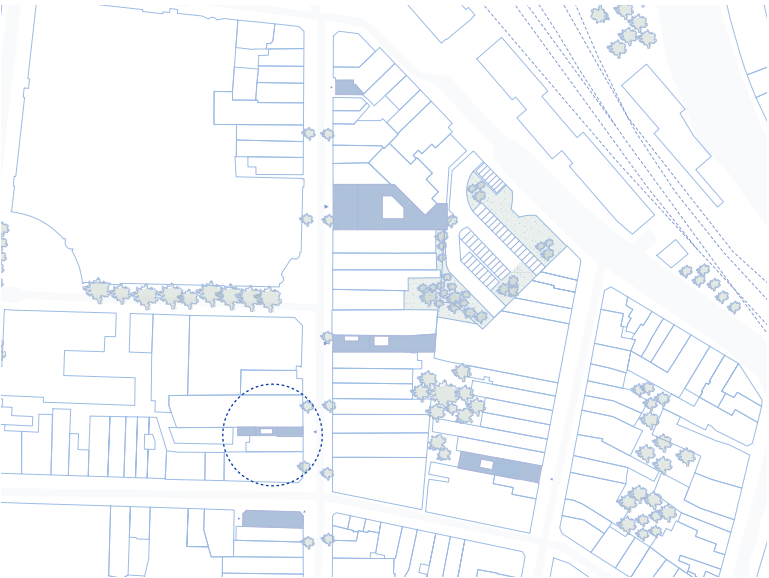
Second floor 1:100



Building F
The library



section 1:100



Building F
The library



View from the library entrance

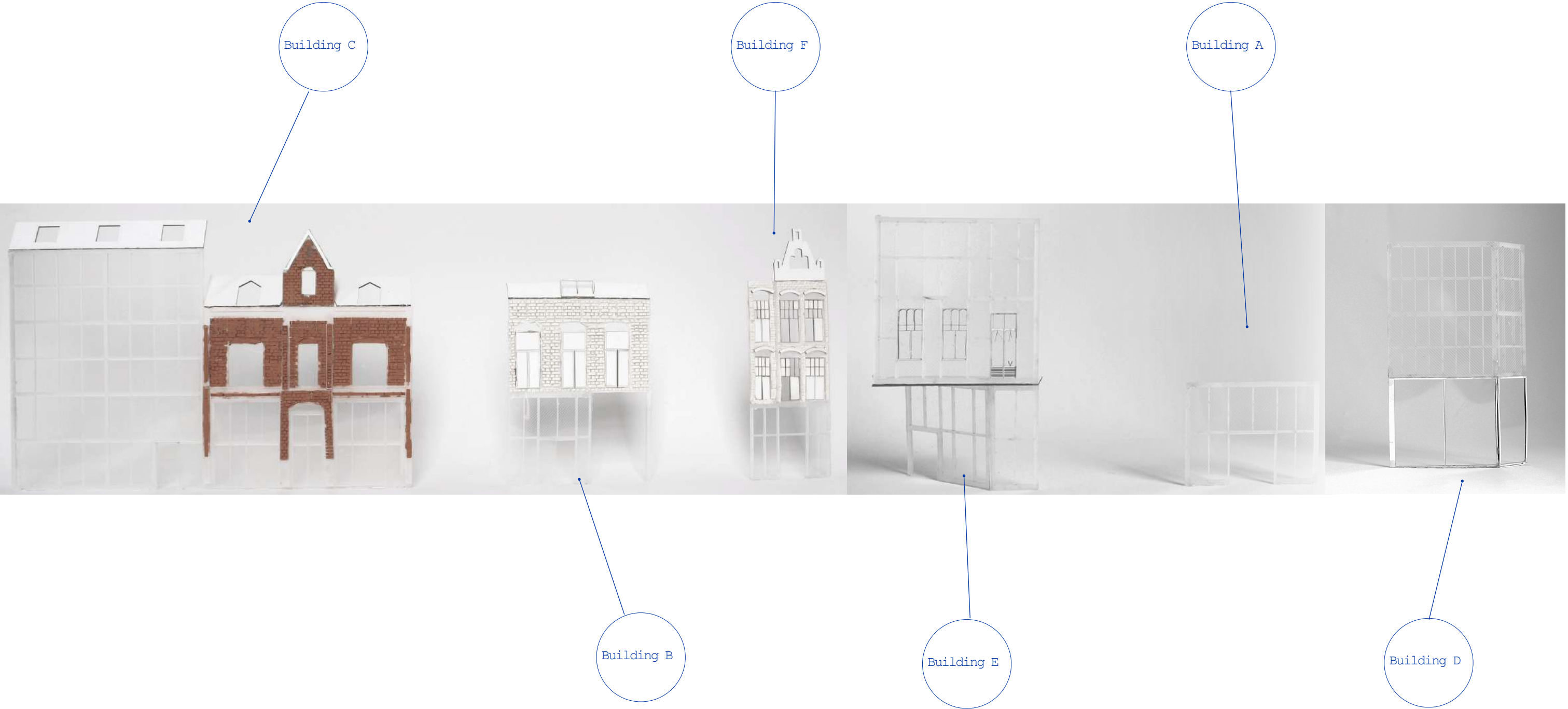
Building F

The library



View from the back of the library

Facades interventions for each building



"I would like to use architecture to create bonds between people who lives in cities, and even use it to recover the communities that used to exist in every single city".

Toyo Ito

