# Planning

## Proces

### The brief

* The design problems

The goal of this project is to design a building with multiple functions and audiences. The building must blend well with the surrounding neighbourhood. In addition, it must be easily accessible by car, foot or scooter/bike.

* Site view
* Surrounding buildings

Afbeelding met schermopname, Rechthoek, tekst, ontwerp

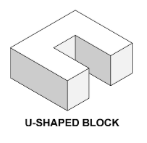
Automatisch gegenereerde beschrijvingTekstvak

The inner part of the Schieblock has an average height of 9 meters, the outer part of the Schieblock has an average height of 19 meters.   
The buildings to the north of the train tracks are ~15 meter high. The east has 2 buildings, one of which is 47 meters high, the other being 94 meters high. The south has 1 block of building with height 40 meters, and one 100 meter tall building. Immediately west, towards the train station are 2 buildings of height 50 meters and one of 90 meters high. Going ever further towards the west you encounter the 150 meters high Delftse Poort building.

* Typologie

The whole Schieblock is a U-shaped block typology. The hole in the ‘U’ being the Beergarten and the ParkBee Schiestraat. The buildings around the area consist of two different levels. On the inside of the ‘U’ Immediately adjacent to the ParkBee Schiestraat and Beergarten are low buildings with an average height of 8 meters. Adjacent to this are larger buildings with an average height of 19 meters. This can be seen by the fence.

The functions of surrounding buildings vary between work, culture, entertainment and social interaction. They contribute to the overall dynamic and mixed-use nature of the Schieblock area.

Afbeelding met gebouw, Stedenbouwkunde, Luchtfotografie, Vogelperspectief

Automatisch gegenereerde beschrijving

* Program of requirements

The design brief tells that a building has to be designed that will be placed on the so-called schieblock. The address reads: Schiestraat 11 and is connected to Delftseplein and Delftsehof streets. The image is shown in figure.... Here it can be seen that a street runs through the area. The street may be modified, however it must be taken into account that the businesses behind it remain accessible for any transport companies.

Afbeelding met kaart, Stedenbouwkunde, Luchtfotografie, kruispunt

Automatisch gegenereerde beschrijving

There are some requirements stated in the design brief, which are:

* The building must require a total of 800 units which are divided with:

400 student units:

* 25% single student studios with bathroom and kitchen (min 25m^2)
* 50% multi dwelling apartment for 4 students with shared bathroom, kitchen and livingspace (min 25m^2 per student)
* 25% multi dwelling apartments for 8 students (min 25m^2 per student)
* Multi dwellings must be separated from the elderly units and the starter units because of the nuisance.

200 elderly units:

* All units must be single level, accessible by elevator and wheelchair, exterior space needed when space is larger than 40m2 with sunlight of min. 5m2
* 50% Independent living
* 50% Assisted living
* Assisted living in close range to care centre and physical therapy center

200 starter units

* Two-bedroom units:
* Safe for children (no split-level)
* Shared outdoor space for children to play around

Overall units:

* Living space within the units requires equivalent daylight area minimum of 0,5m2

This building is going to be mixed-use with the following usage functions:

* Care centre for elderly
  + Accessible by elevator, wheelchair
* Shared working space
* Gym/sport centre
* Restaurant
* Laundryrooms

Area requirements / exterior requirements

* Parking
  + A parking requirement of 1.33 bike parking spot per resident
  + 0.8 car parking spot per appropriate dwelling
  + Separate 10 bike parking spots and 4 car parking spots per 200 m^2
  + Bike and car parking for dwellings should be secure and only accessible for residents, while the additional bike and car parking should be publicly accessible.
* Greenery
  + Areas for greenery equal to the total surface area of the plot (approx. 8,000m2 excluding the Biergarten) should be kept on the plot. Apply more greenery on green roofs, vertical façades, stepped terraces, etc...
  + The building will incorporate a system for rain harvesting. This system should at least be able to collect and store rainwater from the site but preferably also the neighbourhood. Part of the stored water should be reused by the building complex
* Safety & Privacy
  + A degree of social control should be present in your design for the building complex. This means that public spaces such as inner courtyards or corridors should be visible from at least a few dwellings, so that there is some ‘overview’ by residents.

### The development

* Our vision

1. **Een gecombineerd gebouw waar oud en jong samen komt, maar ook apart kan leven. Door de vele gedeelde ruimtes zoals een restaurant/wasserete/workingspace is er genoeg ruimte om gezelligheid op te zoeken. Het wonen moet organisch voelen, geintergreed met de natuur.**

* Sustainability and flexibility
* Design goals
* Context connection analysis
* Kaart met connecties, welke dingen in buurt

( python programmeren )

## Product

FBX bestand

Motionbuilder