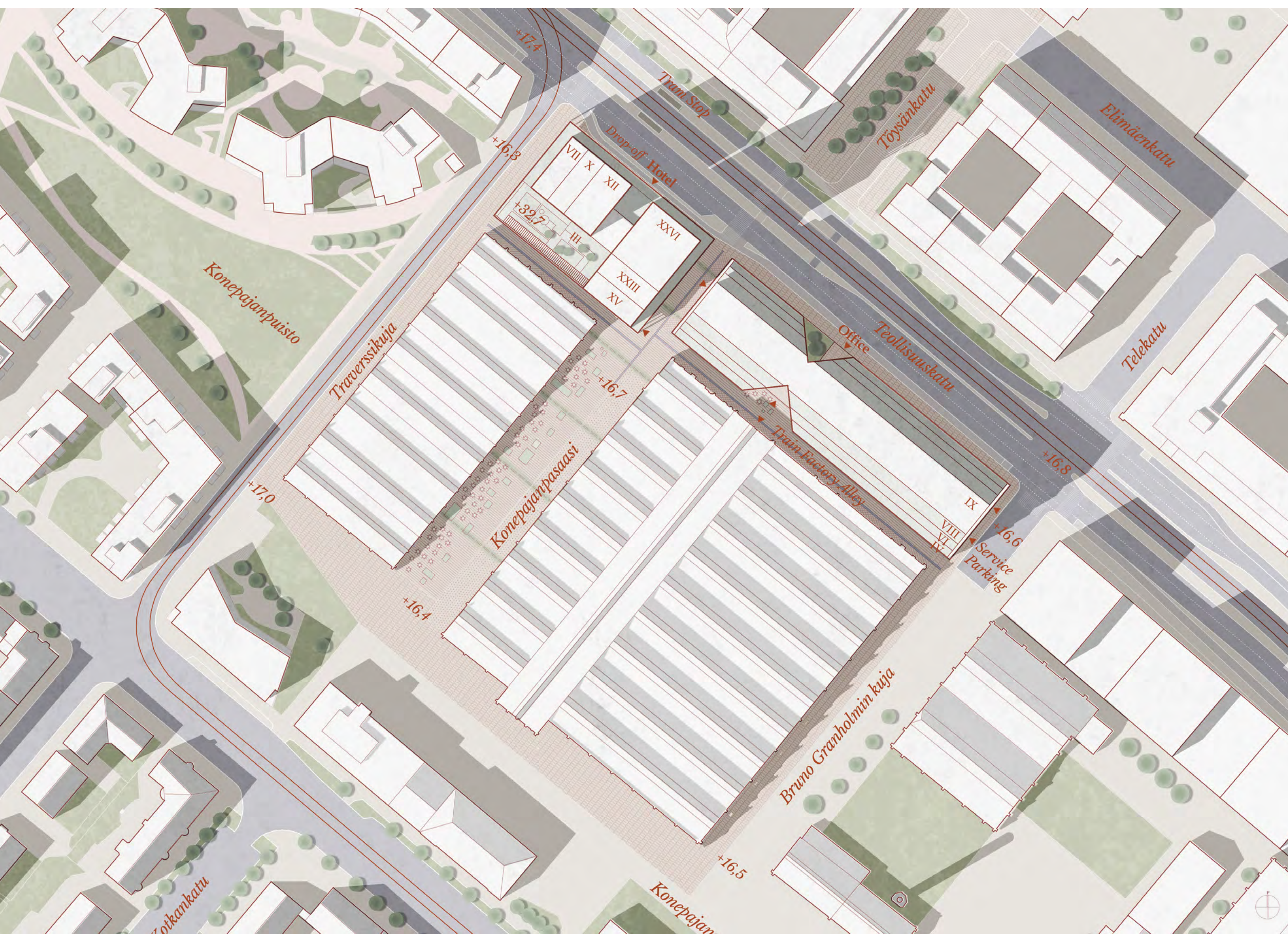




Illustration from Konepajanpassaasi



New brick-clad halls rise from the fabric of old brick sheds. The newcomers complement and continue the characteristics of the existing buildings. One tall tower rises as a landmark and pinpoints the location of the Train Factory, but the rest of the new additions follow a lower roof line and adapt in subtle steps to the surrounding buildings and streets. The transverse passage that cuts through the old Assembly Hall has a counterpart in the new building. There is a cut, too, a wayfinding signal visible from afar and marking an important entrance.

The proposal foregrounds the pedestrian environment. By opening new alleys and sightlines through the site and solving service from the underground, the proposal maximises the amount of lively shopfront. Simultaneously, it offers pedestrians a variety of choices and experiences to pass through the site, with new leisurely routes inviting to linger. Old, hidden brick facades are revealed again.

Reused brick is suggested on the podiums, with the possibility to continue using them also on the upper floors of the new buildings, depending on availability and economy. In addition to reducing the CO2 emissions to 1/100th of new bricks, the rustic, patinated appearance of reused bricks are important in blending the new buildings with the old and enhances the effect of brick gradient on the tower facades. The circularity concept includes reusing the tile-clad elements from the demolished Electric Train Building as outdoor floor material and in the interior either as partition walls or floor elements. The exact use will be studied subsequently.

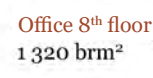
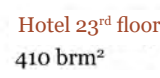
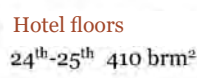
The hotel consists of two slim towers. The lower guestroom tower descends to the height of the residential building in the northwest, thus minimising the shadowing. A verdant garden on the top of the hotel podium extends the public space and is accessible directly from the passage.

The office building is efficiently linear and divisible. The varying depth of the floors enables a variety of office sizes and other qualities, suitable for both large headquarters, small studios, and workshops, with a possibility of showrooms on the ground floor. The alley between the office building and the old Assembly Hall brings daylight to the deep podium floors of the office, enabling their versatile use.



Circular Facade Concept

Recycled brick is implemented on the podium floors. The facade design concept allows for a gradual and flexible transition from reused to new bricks upwards, according to availability and economy. The recycled brick also helps to integrate the new buildings to the existing context.

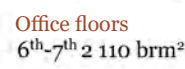
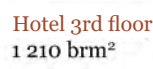


The key concepts include low maintenance and lightweight planting on the roof terraces. Vines trellises are integrated in the facade system of the office building. The vines are shade resistant and do well also on the north facade. Rain water from the roofs is collected and stored to an automated irrigation system and the roofs are equipped with solar panels.

The plantings provide shading on the south side, balancing out heat periods with a cooling effect.

On the north side they have a positive impact on the street environment, mitigating the effects of pollution from Teollisuuskatu.

Overall the greenery adds to biodiversity and helps to reduce storm water on ground level surfaces.

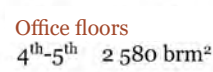
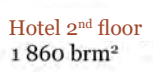


The new buildings are detached from the existing listed buildings, establishing an intimate alley with service areas, seating, plantings and inherent charm. The facades are active on both sides which creates safe and pleasant environments.

Detaching the office and hotel from the existing also allows for daylight to enter the lower floors of the deep building cores. The south facing roof gardens have splendid views over Helsinki.

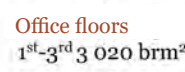
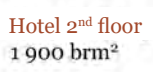
Public space is formed by activities taking place on the ground level, and Konepajanpasaasi provides areas for outdoor serving and places for gathering.

In the passage, a feeling of space is also created by placing green structures above the passage, following the principles of existing similar structures in the area.

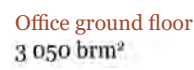


The proposal foregrounds the pedestrian environment. By opening new alleys and sightlines through the site and solving all service from the underground, the proposal maximises the amount of lively shopfront and creates safe walkable environments. This adds to the attractiveness of the area as a whole.

Pedestrians are offered a variety of choices and experiences to pass through the site, with new leisurely routes inviting to linger. Old, hidden brick facades are revealed again.



The parking floors are adjusted to the office and hotel structural grid. Optionally, the parking can be extended also under the hotel regardless of chosen phasing model.



Typical floor plans of hotel and office, 1:500

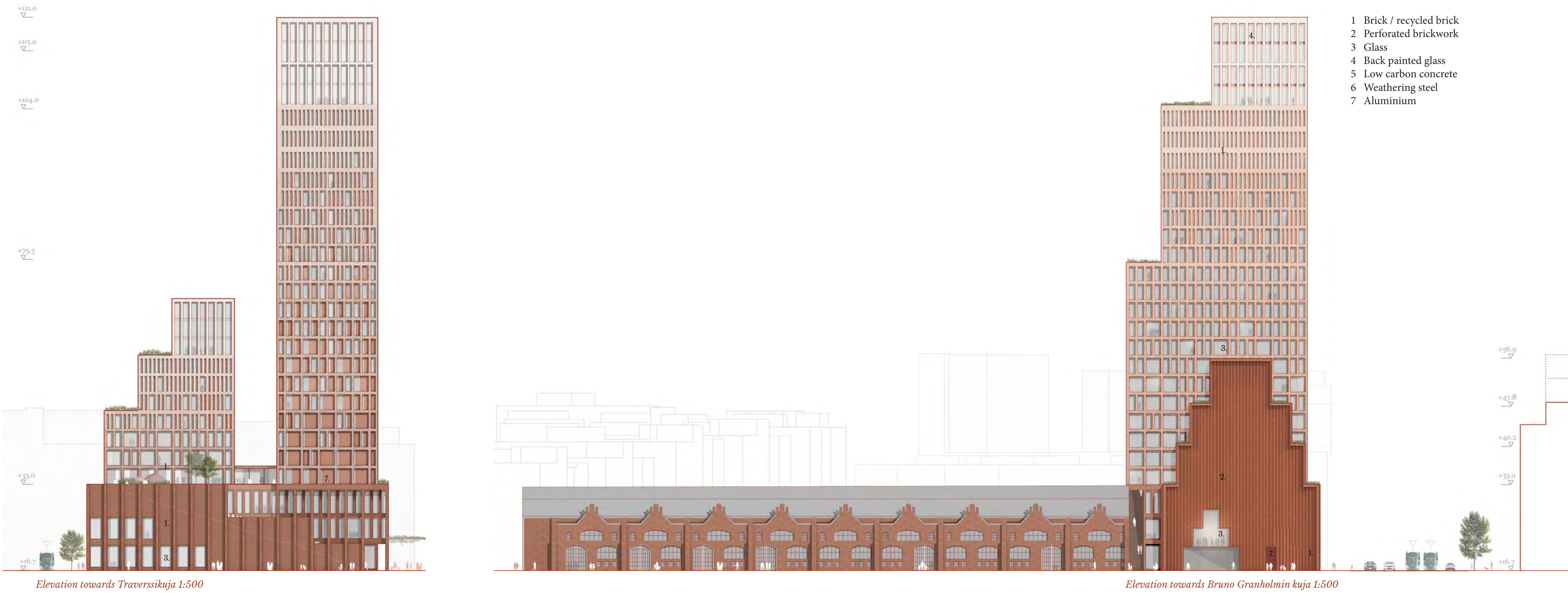
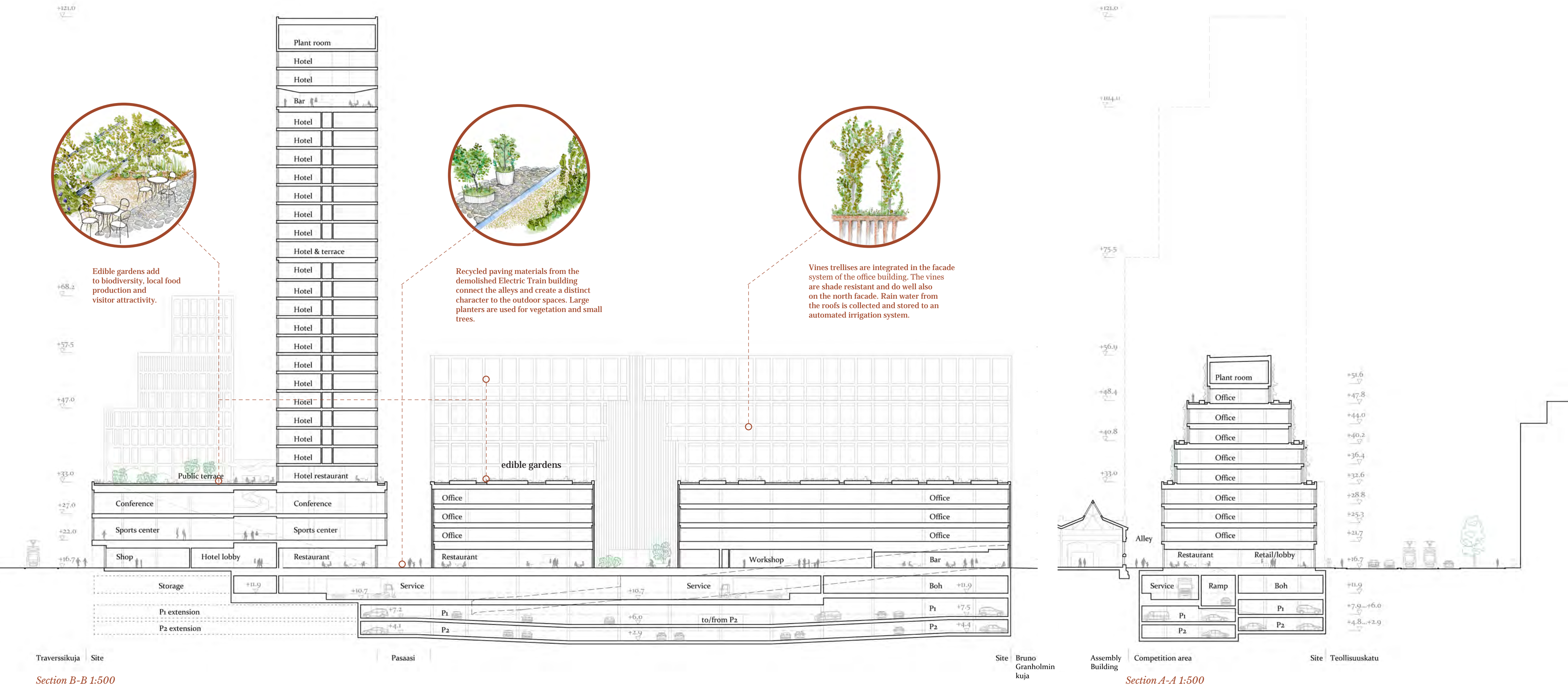
Office building											
Gross floor area (<i>keresal</i>) ¹ sq.m	Level										
	Ground	1	2	3	4	5	6	7	8	9	Total
Office	810	3020	3020	3020	2580	2580	2110	2110	1320	Attic	20570 sq.m
Shops & restaurants	1820										1820 sq.m
Ramp	420										420 sq.m
		Total gross floor area									22810 sq.m
Net area*** sq.m	Level										
		1	2	3	4	5	6	7	8	9	Total
Office	650	2680	2680	2680	2240	2240	1790	1790	1010	Attic	17760 sq.m
Shops & restaurants	1560										1560 sq.m
		Total net area									19320 sq.m

The areas and room numbers are estimates based on schematic floor plan sketches.

* Gross floor area means the Finnish "kerrosala". It has been counted without assuming any statutory building right overruns. The topmost levels are assumed as technical attics, i.e. not as "kerrosala". No "kerrosala" has been assumed in the basements.

*** Net area includes internal areas, excluding assumed internal structural walls and columns, walls enclosing excluded net areas, stairwells, lift wells, fire corridors, vertical ducts and plant rooms. Net area has not been counted in the basement, although the basement may include rentable storage area.

Grand total gross floor area	45020	sq.m	Net area grand total	36740	sq.m
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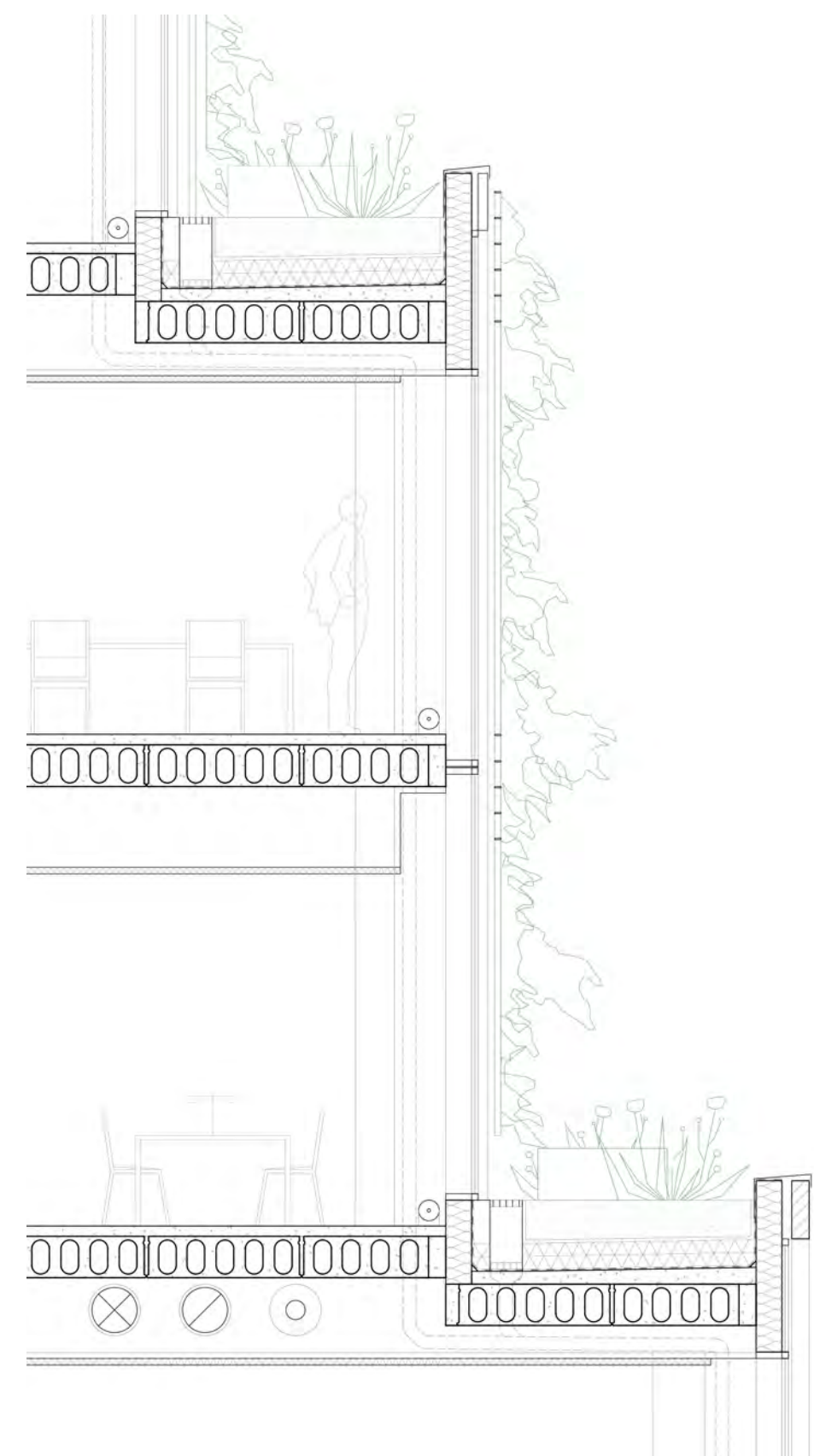
The proposal provides multiple benefits based on natural processes. Greenery on the various terraces and on the ground purifies the air and water, provides summer-time shading, produces edible plants and supports green well-being in general. The greenery impacts the site beneficially as a place of social interaction and community activities. For example, workers in the office building can tend to the terrace gardens. Rainwater is harvested to tanks in the attics for an automated irrigation system of the vegetated roofs. The harvesting and the vegetated roofs are a climate-wise solution to reduce runoff water on the ground. At the ground level, stormwater is managed in narrow water paths functioning also as site guidelines.

Service traffic for the whole site drives via Bruno Granholminkuja to the basement. Putting the service areas for both the hotel and the office together is a space-efficient solution. They also share the ramp with the underground parking. Furthermore, locating the service in the basement frees the precious ground floor for shops and restaurants. The solution is also safer as lorries and taxis do not reverse to the streets. All of this creates a high-quality pedestrian environment, which elevates the value of the Train Factory area as a whole.

The office is proposed to be built before the hotel. This way, the high-class hotel does not risk having unfavourable customer reviews from the construction site of the office. It would also enable building additional storage or parking reserved for the hotel. However, if the hotel is built before the office, service traffic to the hotel can drive temporarily through the remaining part of the Electric Train Building on the ground floor.

The gross floor area (kerrosala) of the site is 45,000 sq.m.





Office section, principle of planting structures 1:50



Office facade study 1:50

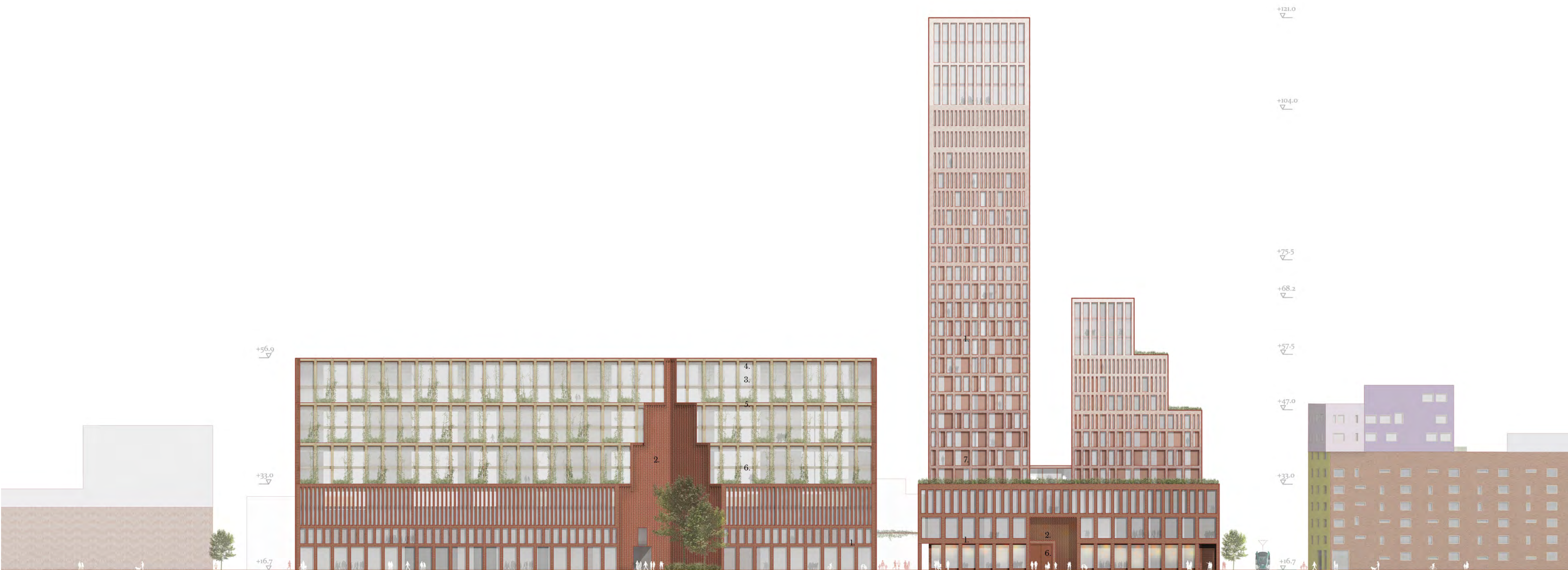


Office facade study, principle of brickwork 1:50



Hotel facade study 1:50

- 1 Brick / recycled brick
- 2 Perforated brickwork
- 3 Glass
- 4 Back painted glass
- 5 Low carbon concrete
- 6 Weathering steel
- 7 Aluminium



Elevation towards Teollisuuskatu 1:500

