- Some existing unnecessarily wide streets could be used as a template for new housing in an urban city structure as an infill project
- Services are near already
- Building could mostly consist only of dwellings (with few communal and shared spaces as well)
- 40 meter wide Sammonkatu street could be a place for this type of infill project
- Locating new infill buildings in between the existing city structure, good views from buildings can be attained

Location:
Sammonkatu street
Tampere

Total constructed infill area: 1800m2
Total floor area of the whole infill area: 10800 m2

Location:
Kaleva church
Liisanpuisto park
Sammonkatu street
Liisanpuisto park
Kaleva church
Parking
Parking
Public plaza & tramstop

1:200 site plan of this area
- Buildings on top of existing infrastructure, streets are yet no-one’s lots
- Building group could be built partly, new buildings could be built into the system and connect each other with bridges
- Bridges could make turns within the city structure, for example 90 degree turns to surpass roads
- Crossroads under the building system could be a garden, public plaza or market plaza
- There could be straight connections to existing services nearby from the bridge, for example to existing caring center
- This type of infill building plan could be considered anywhere in the world as it comes into redesigning and refunctioning existing streets
- There are railings that lead to common spaces and garden bridges
- Frames, railings and door openers are painted black to have a contrast to the light colored walls and ceiling finishes
- Bridges connect always between two common spaces within the buildings system
- Dwellers can choose to go either outside or through a winter garden to visit other common spaces
- Bridges offer a safe way to enjoy outdoors and nature and the possibility of urban farming
Music & dance room

Art room

Housing

Housing

Housing

Housing

Housing

Shop

Mechanical room

Housing

Housing

Garden bridge

Housing

Housing

Housing

Lobby, restaurant, Bike storage & maintenance
Removing middle lanes (marked red) there becomes space for infill buildings.

Removing these unnecessary lanes the greenery continues making the park safer.

Streets and parking lanes next to existing building are retained.
Aerial view of sammonkatu

- Views from apartments through existing city structure
- Common space connections through buildings via bridges
Building system can grow and transform to smaller size depending on the surrounding city structure.

- Full size block
- One side removed
- 1 side left (building parasite)
- Existing building with an elevator that can be taken into use

Modular dwellings on top of each other
Openings for natural light
Openings for common space
**Prefabricated modular dwellings**

- Prefabricated modules add in efficiency and reduce the cost of buildings.
- The modules are constructed inside a factory so they are not exposed to weather and moisture.

- Three different sizes of modular dwellings which can form a group of dwellings on top of each other
- Shafts are always located in the core side of the building so it allows the modular units to stack differently on top of each other.
- Three different sizes of dwellings attract people of all ages. The largest apartment has the ability to transform into separate pieces in two different ways.
- When needs change, this would improve the chance to age in place.
Floor area and distribution of apartments of this eight-storey building:
studio apartments (42 m²): 9
3 room apartments (56 m²): 10
4 room apartments (90 m²): 7 (varies)
mini apartments 2-9 (varies)
common spaces: 6, total of 250 m²

- In the building There are also large balconies with wide planting containers where dwellers can grow small trees that brings the nature in urban environment and also reduces temperature variation within the dwellings in warmer regions.