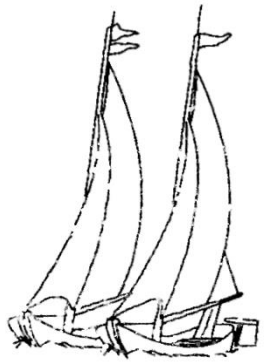
re-Living the Riverfront

Enrico van den Berg
5245915

AR4GH010
Global Housing Studio

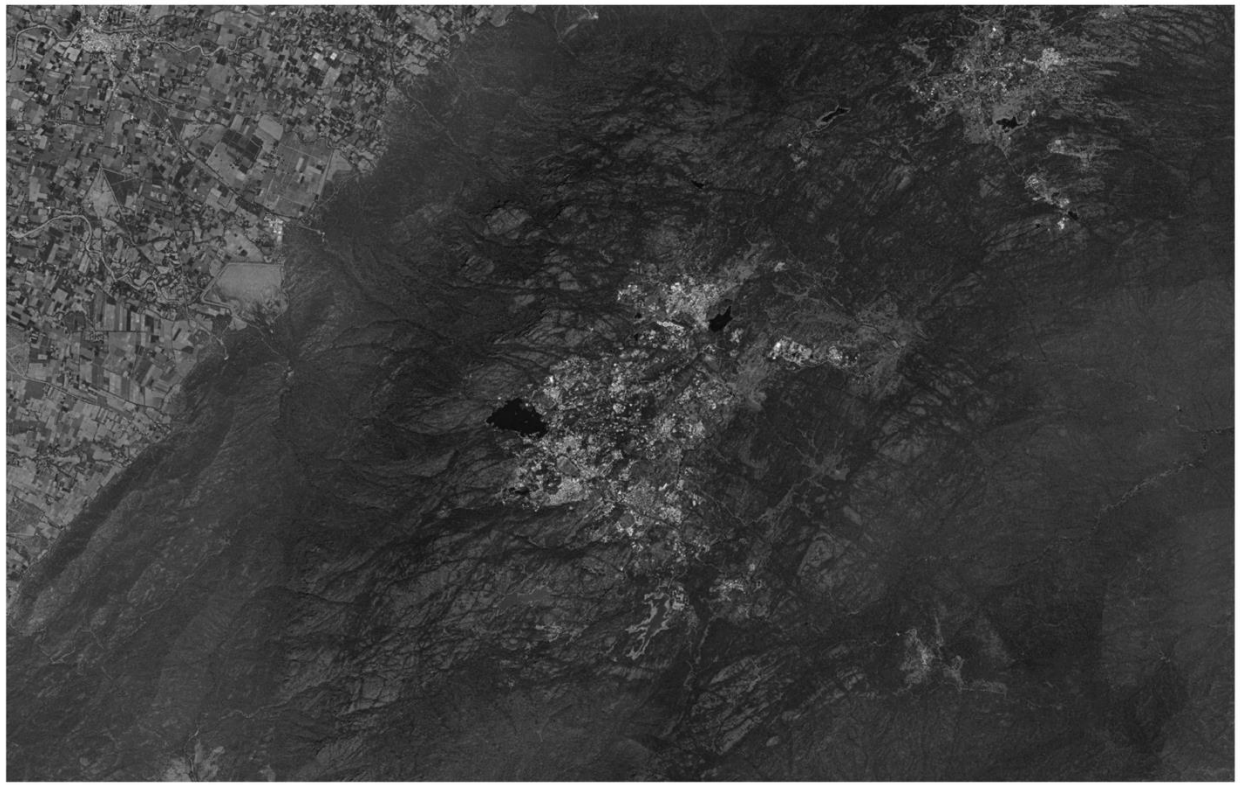




India



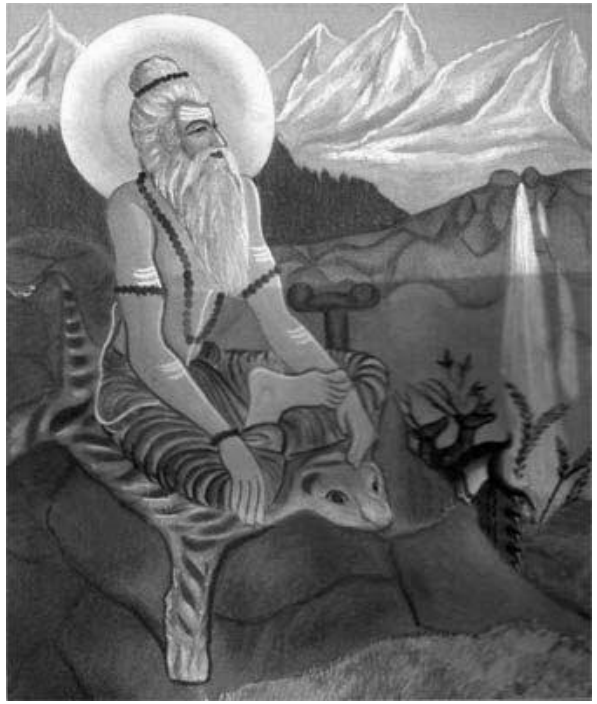
India



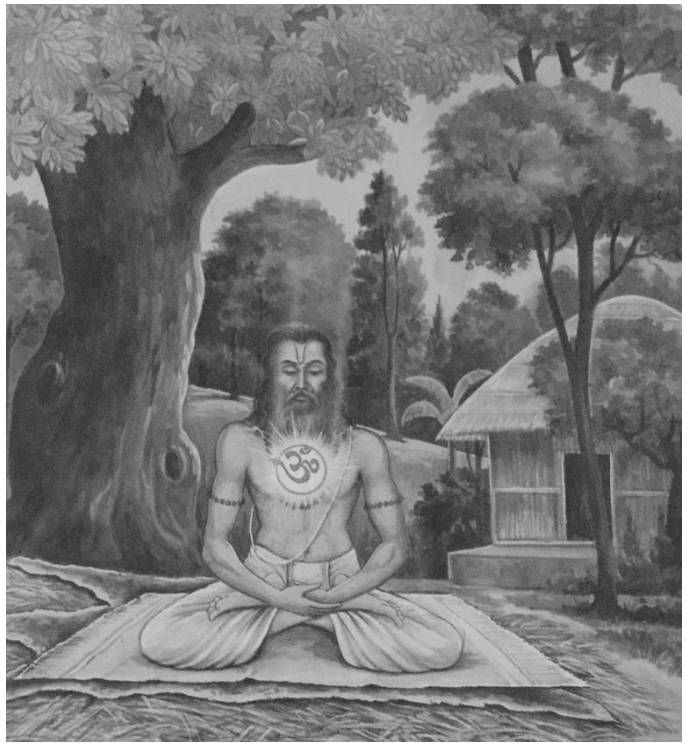
India



Mount Abu, Rajasthan



Kashypa



Kashypa



Lord Shiva



Sabarmati, Rajasthan



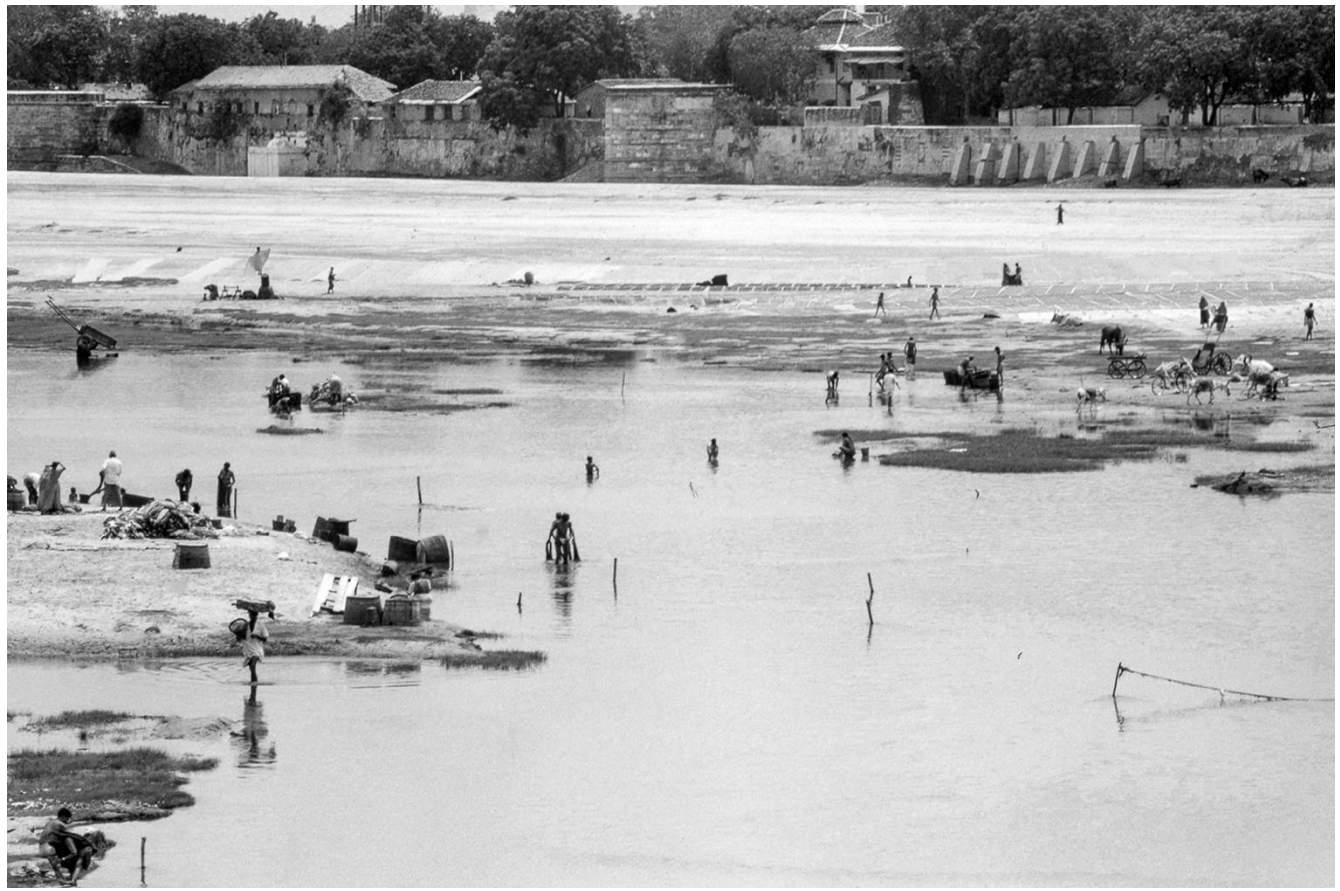
Sabarmati, Gujarat



Sabarmati, Gujarat



Sabarmati, Arabian Sea



Sabarmati, livelihoods



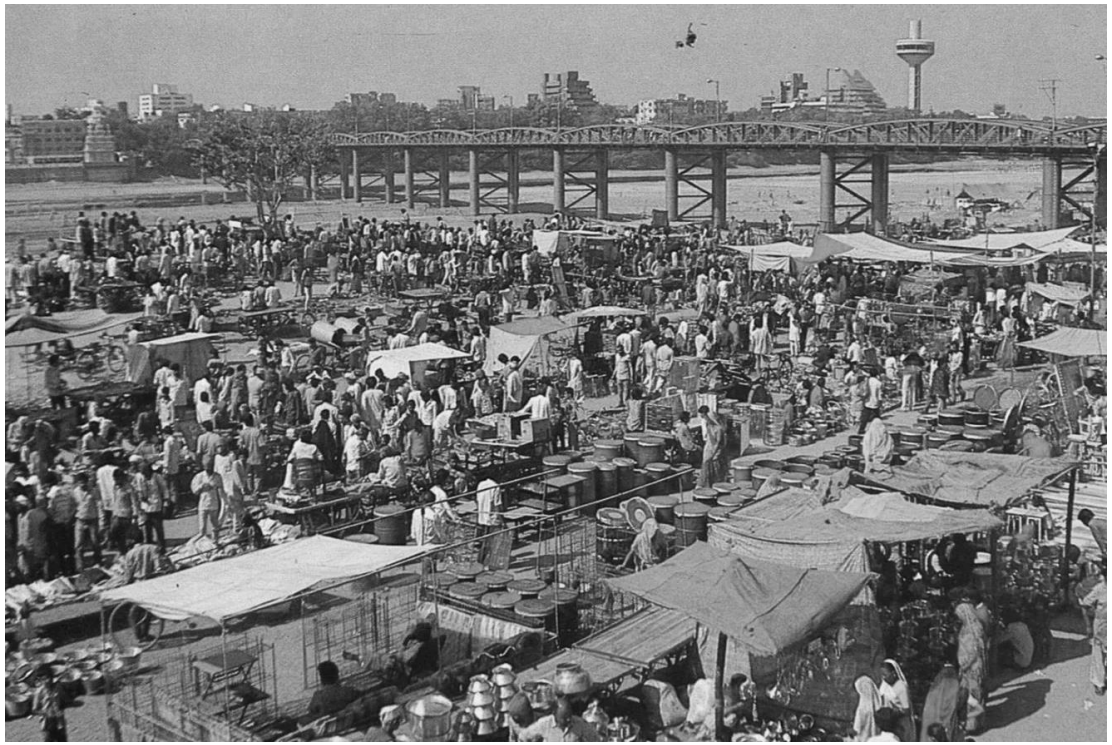
Washing and drying clothes, 1995



Moharram, 2000



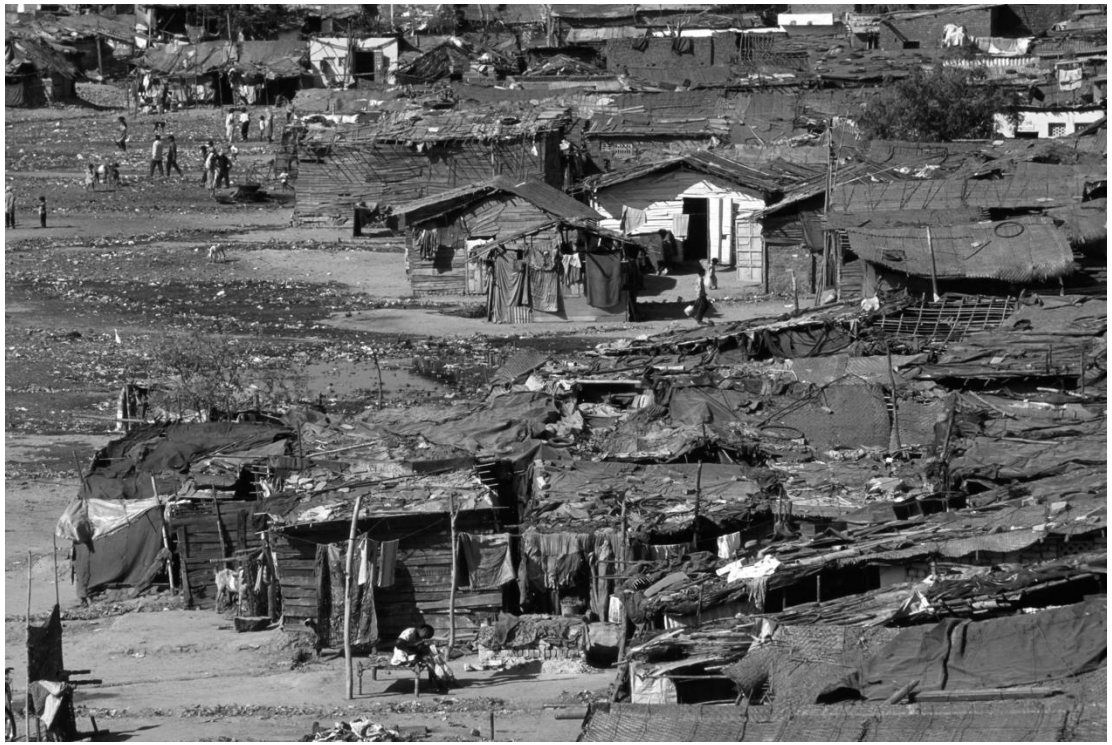
Small-scale agriculture, 1970



Gujari Bazaar, 1980



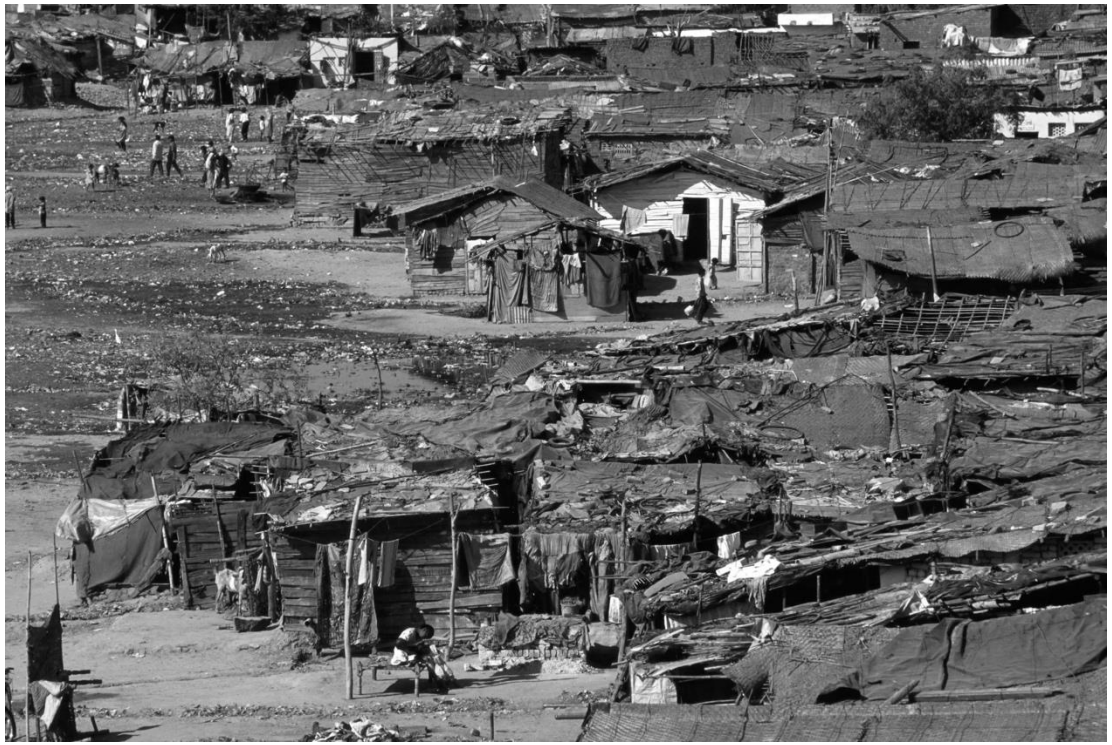
Circus, 2000



Slum on Sabarmati dry banks



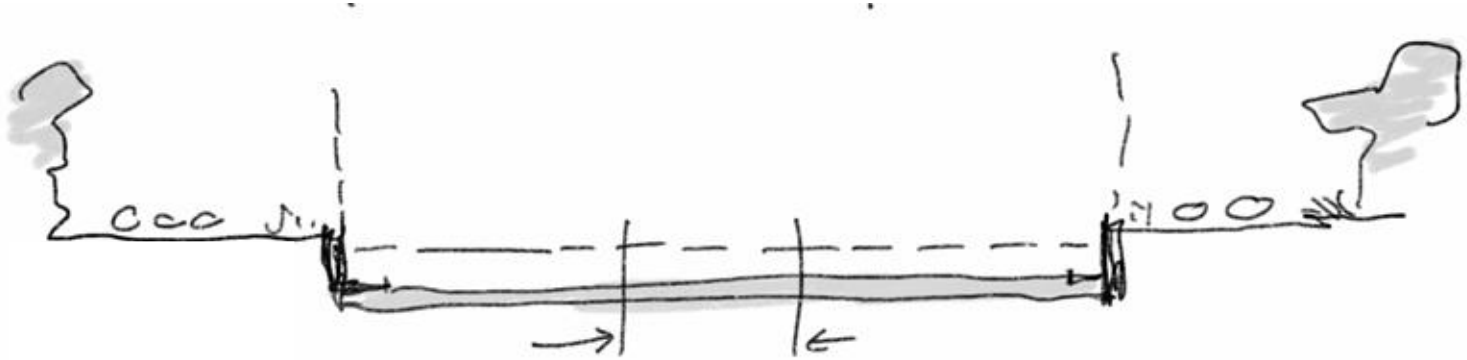
Textile Looms Calico Mills, Ahmedabad



Slum on Sabarmati dry banks



Polluted Sabarmati in the city centre



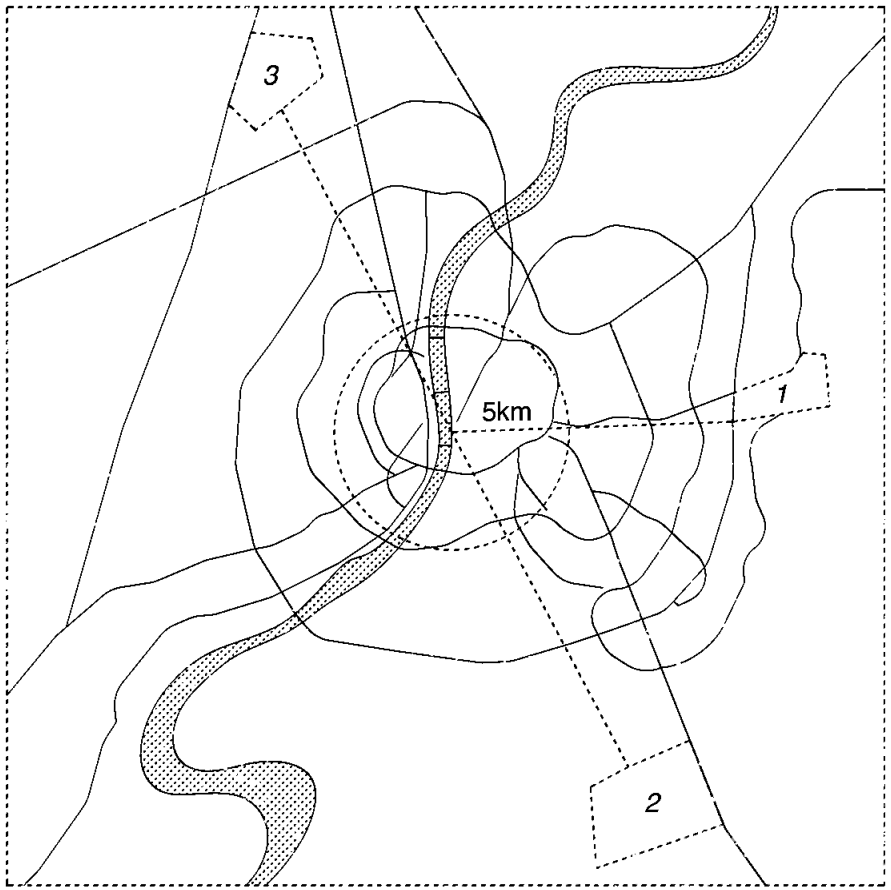
Regulated riverfront by Patel (1990)



Sabarmati Riverfront redevelopment



Sabarmati Riverfront Redevelopment Plan



Displacement affected families

RQ: “How can the Sabarmati riverfront in Ahmedabad be reimagined as an inclusive mixed-use residential environment that integrates affordable and middle-income housing while reactivating public life along the river?”



Living conditions informal settlement along the riverfront

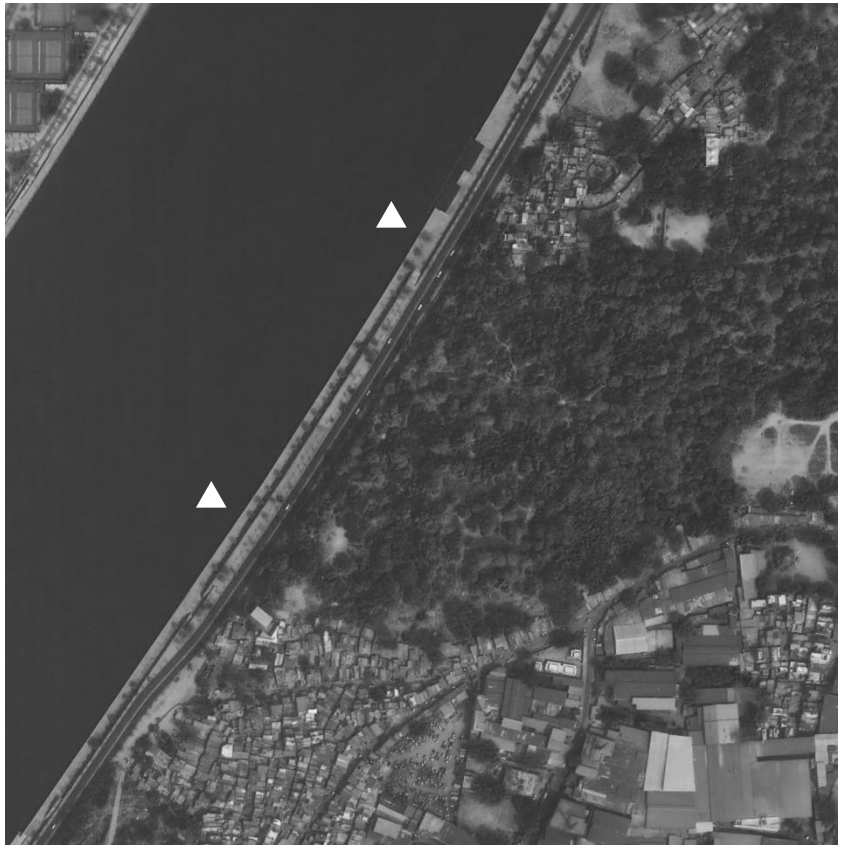
Project Site



Ahmedabad



Ahmedabad



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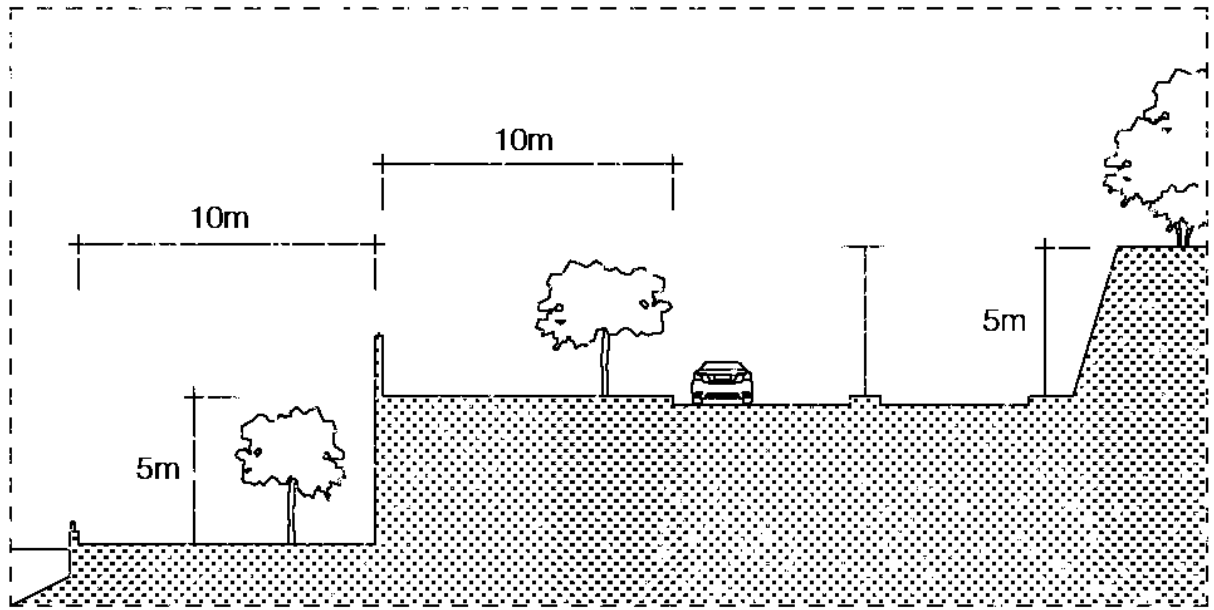


Section through project site

Ahmedabad Architecture



Mill Owners Association, Corbusier



Musée Ahmedabad, Corbusier



Villa Sarabhai, Corbusier



Tagore Memorial Hall, Doshi



CEPT University, Doshi

The Sabarmati **Re**-Redevelopment Plan

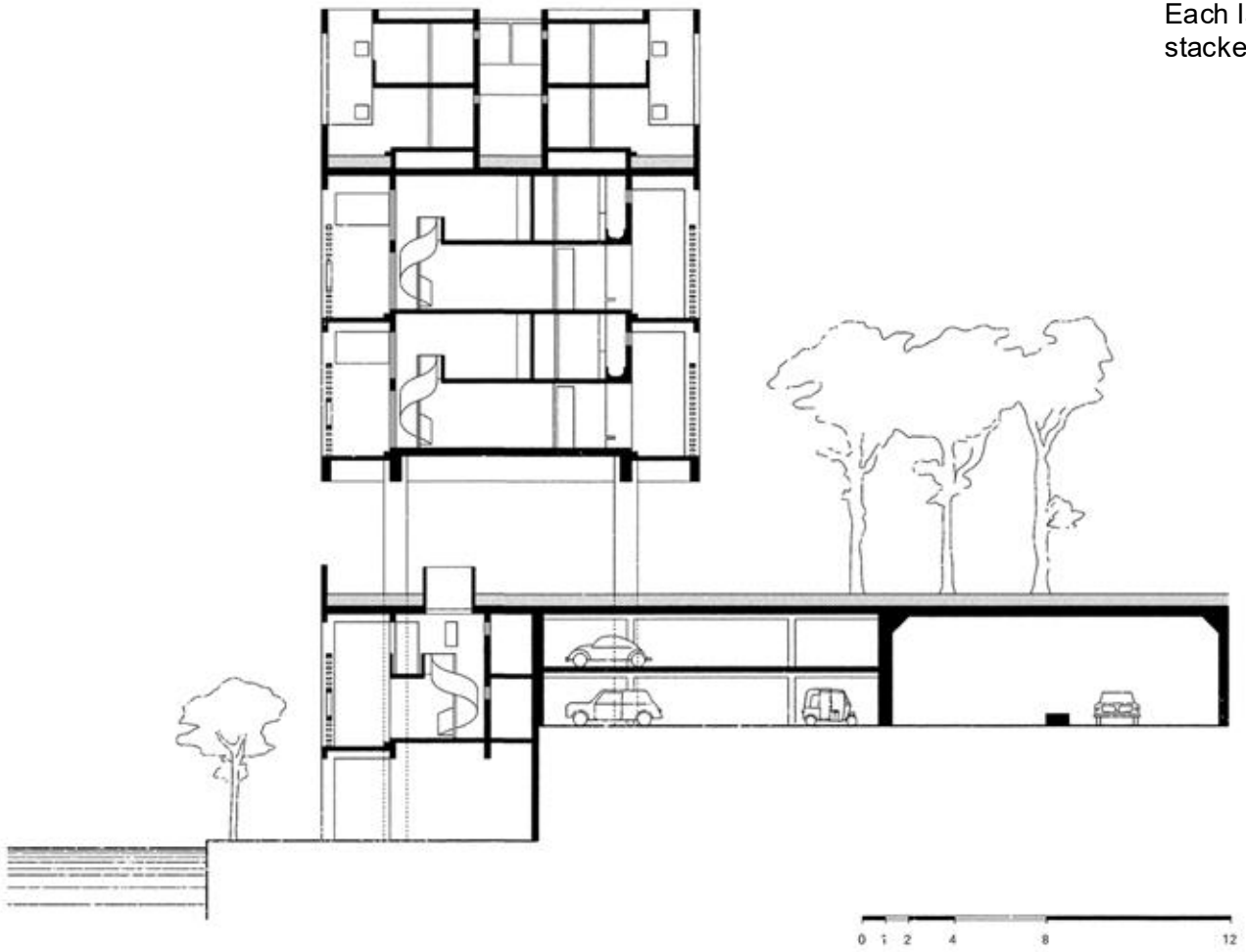


Section

The project is actively developed as a section that consists of multiple elements on different levels. Allowing for repetition. Each layer consists of a street-quality stacked vertically.

dimensions:
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

material:
exposed concrete, brick



Stairs

The main organising element is the spiral staircase. This functions as a the ‘main street’ of the structure and connects all the elements within the building. A watertank is placed on top of the element.

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d: 8000 mm

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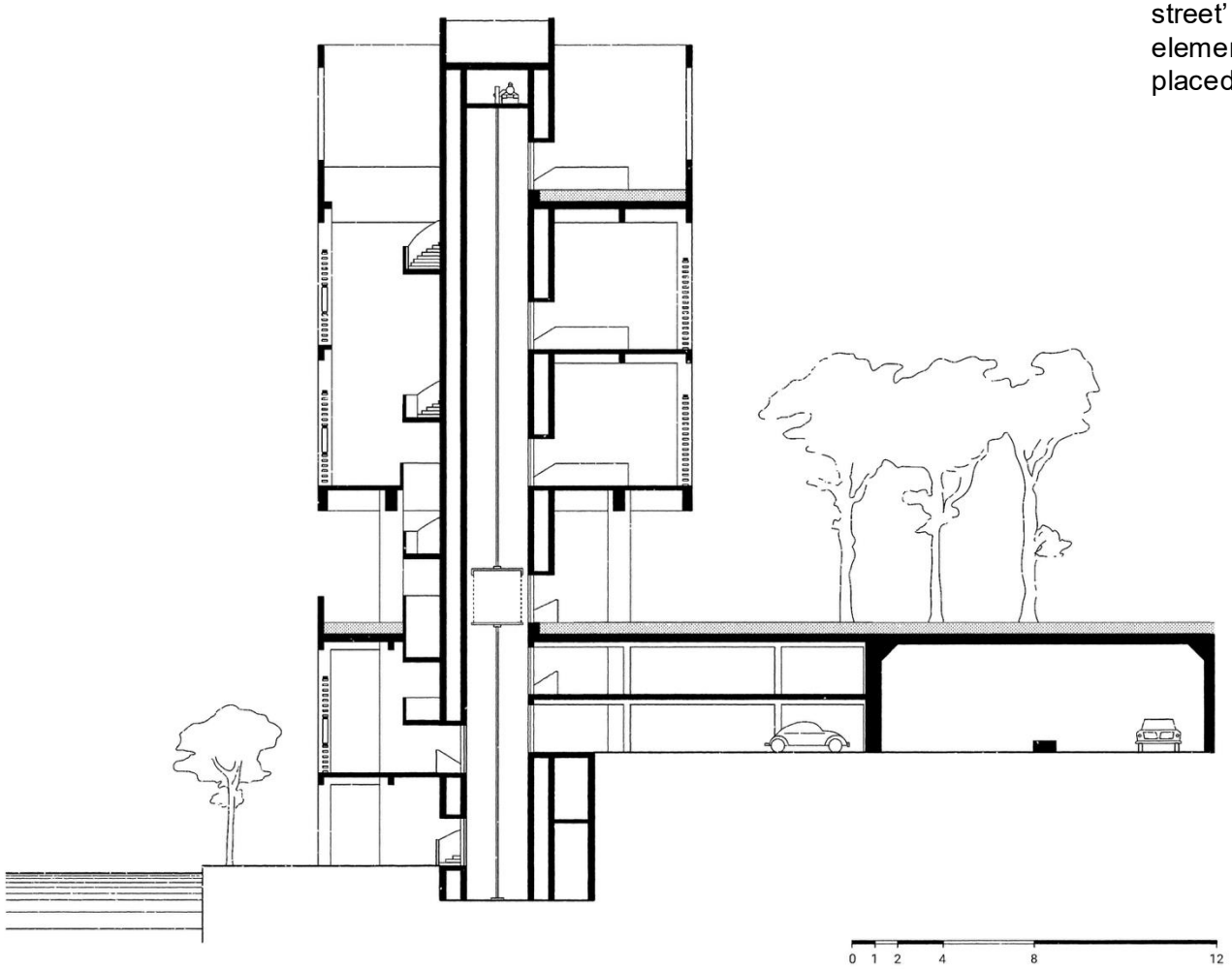

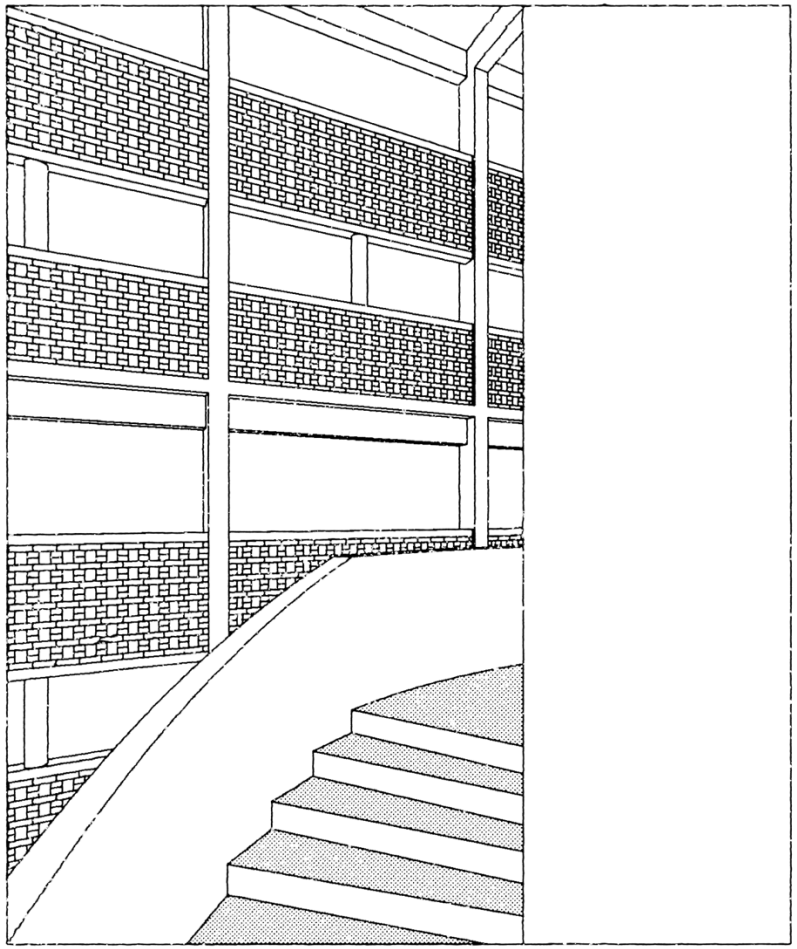

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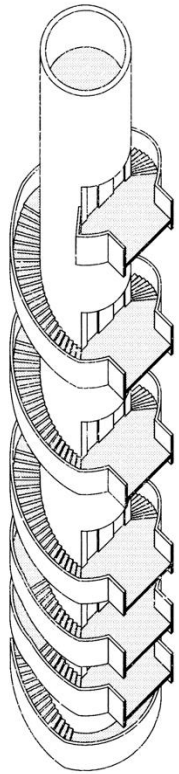

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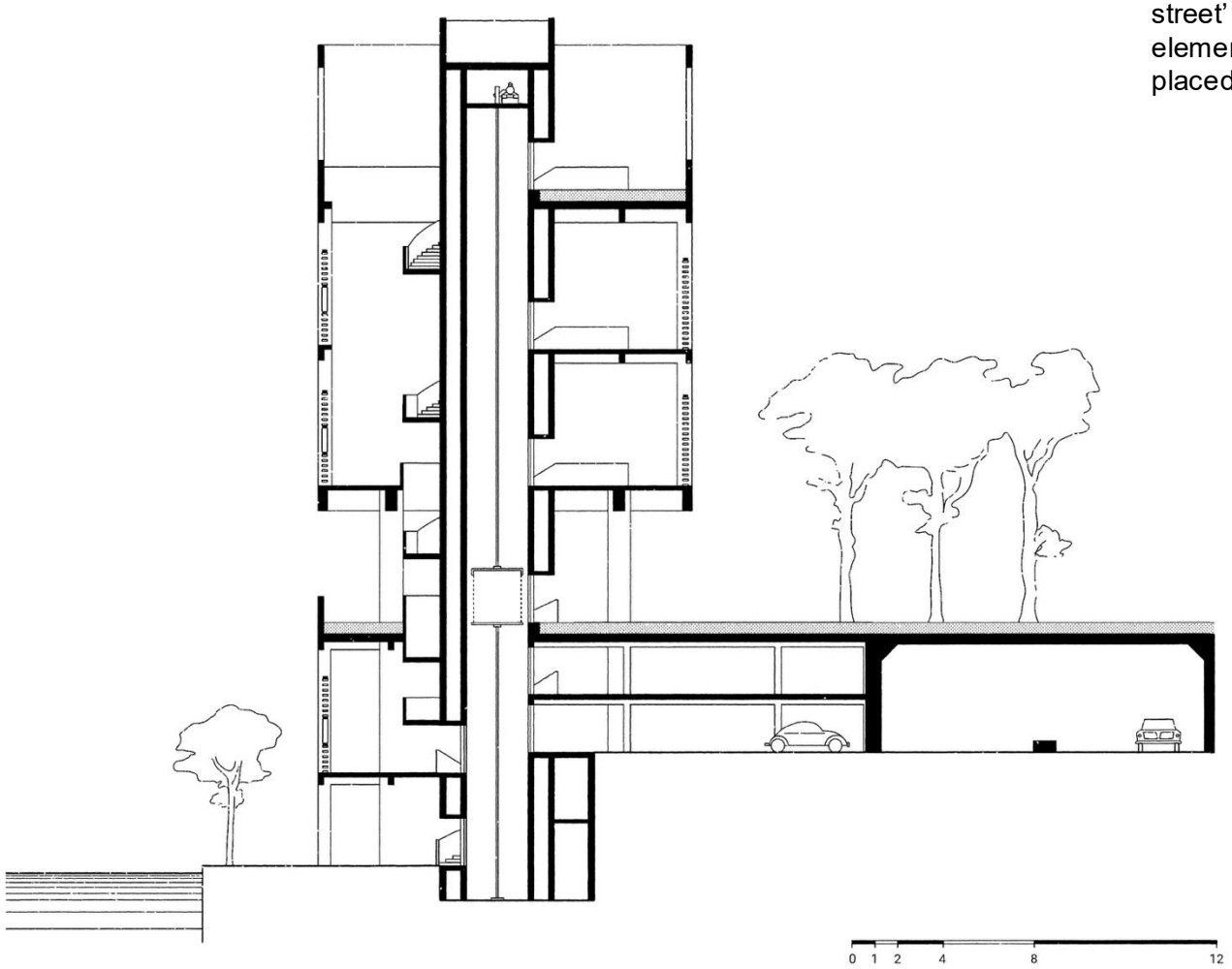

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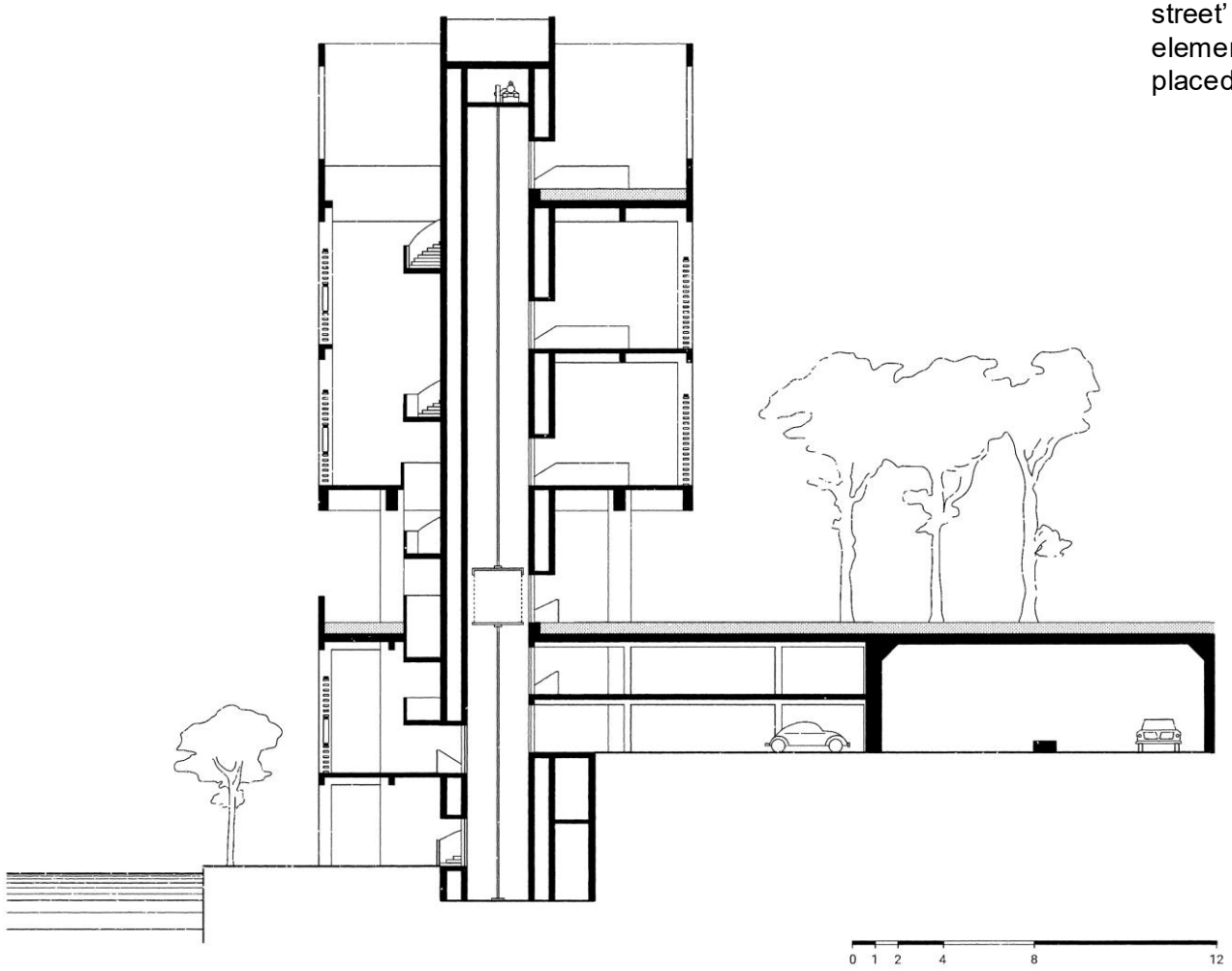

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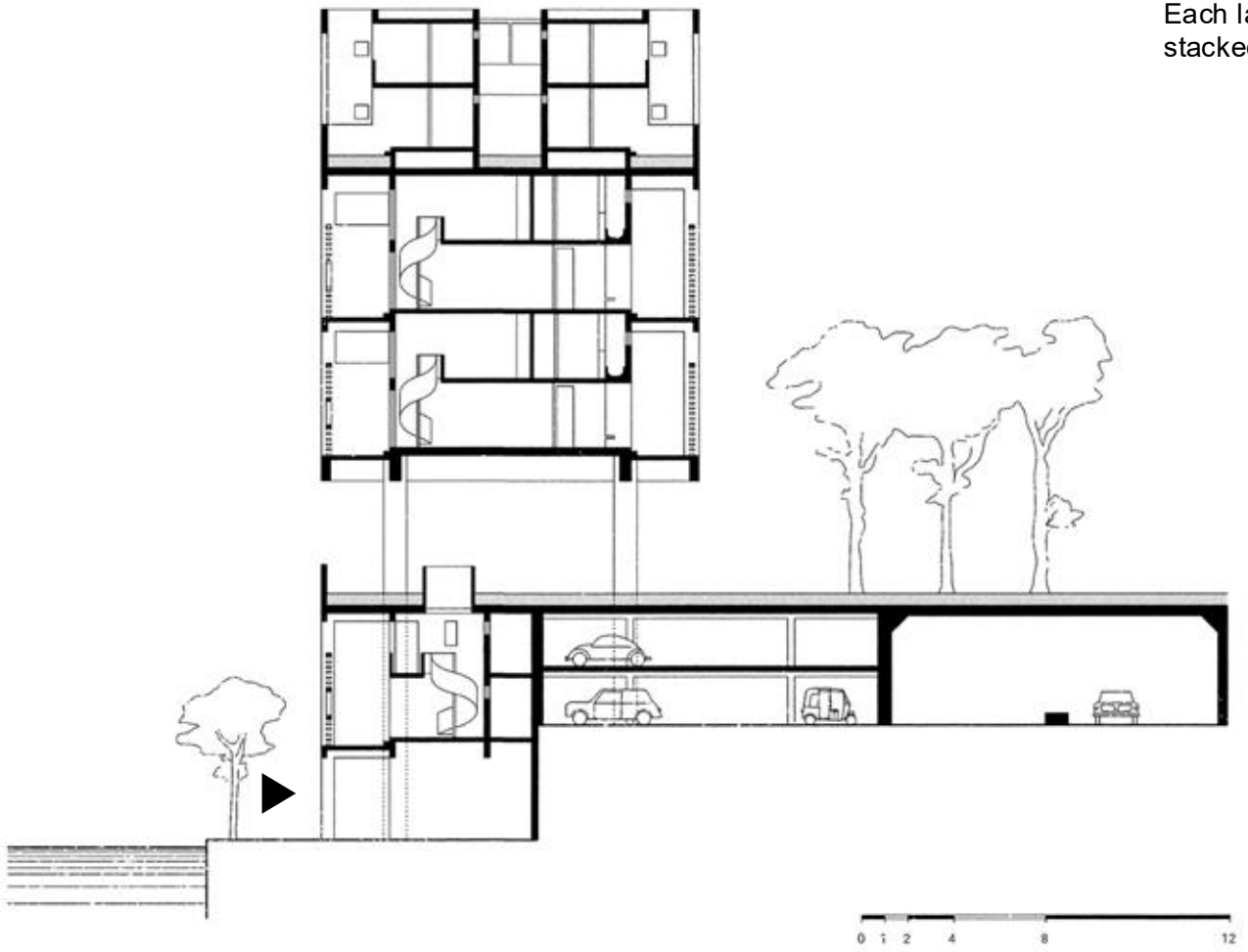
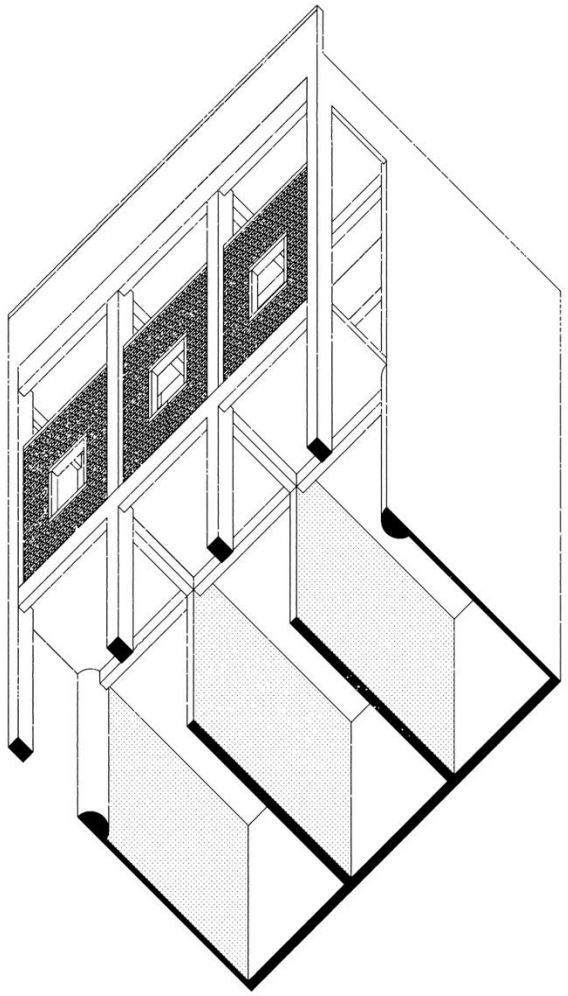


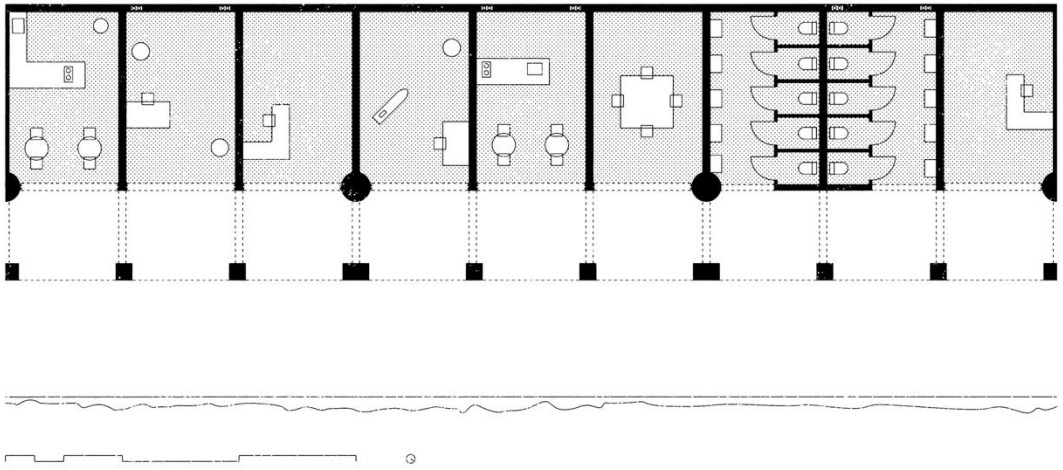


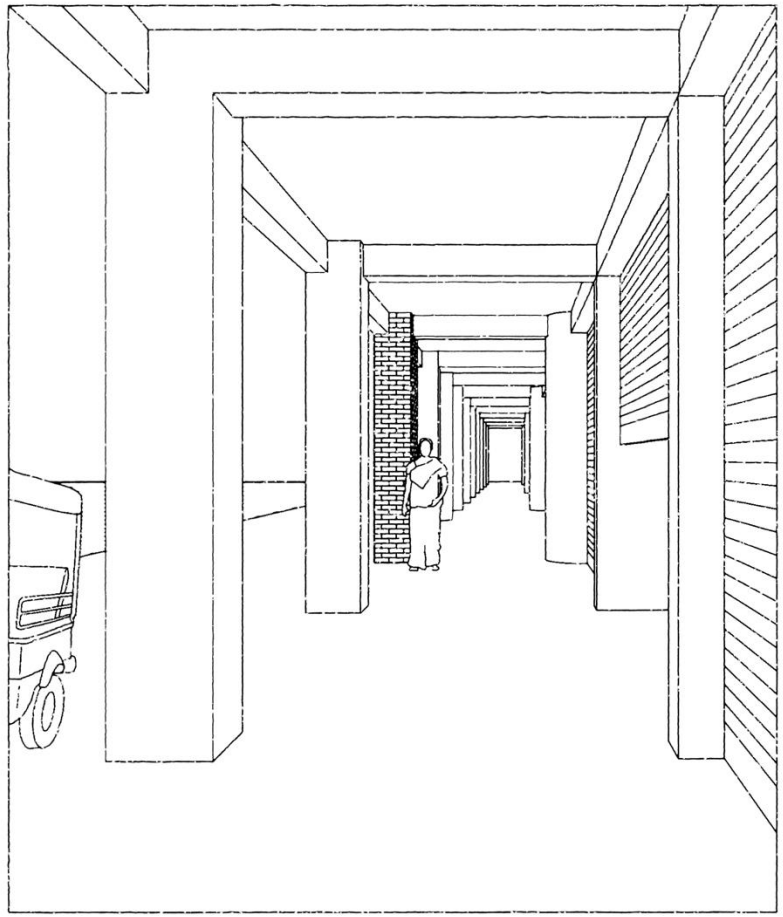
(Work)shops

This type consists of compact (work)shops allowing for a highly active urban environment. Arranged by a shaded colonnade it becomes an attractive environment for recreation in the Ahmedabad heat.

dimensions:
h: 4000 mm
d: 6500 mm
l: 12000 mm
area: 25 m^2

material:
exposed concrete, brick, steel





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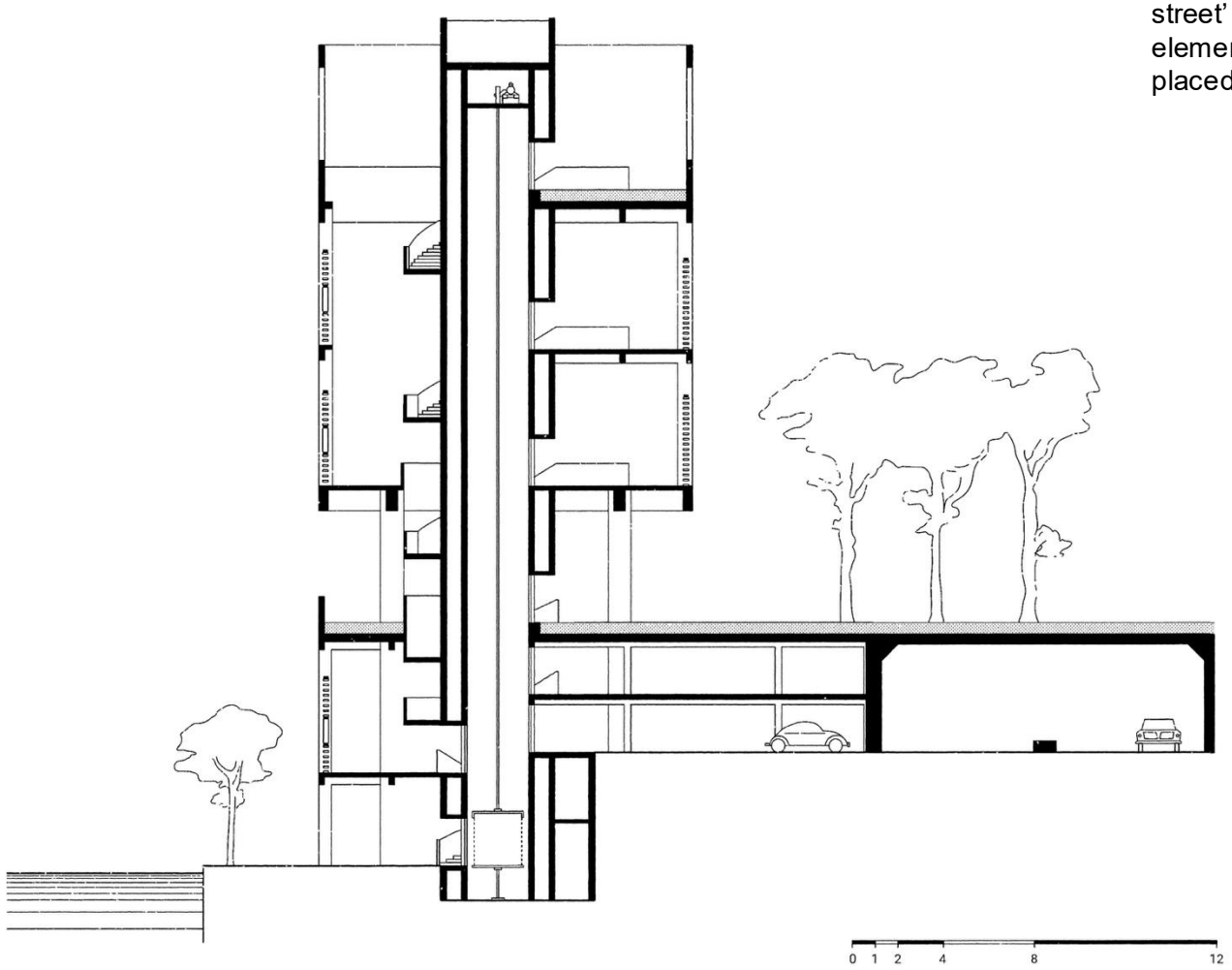

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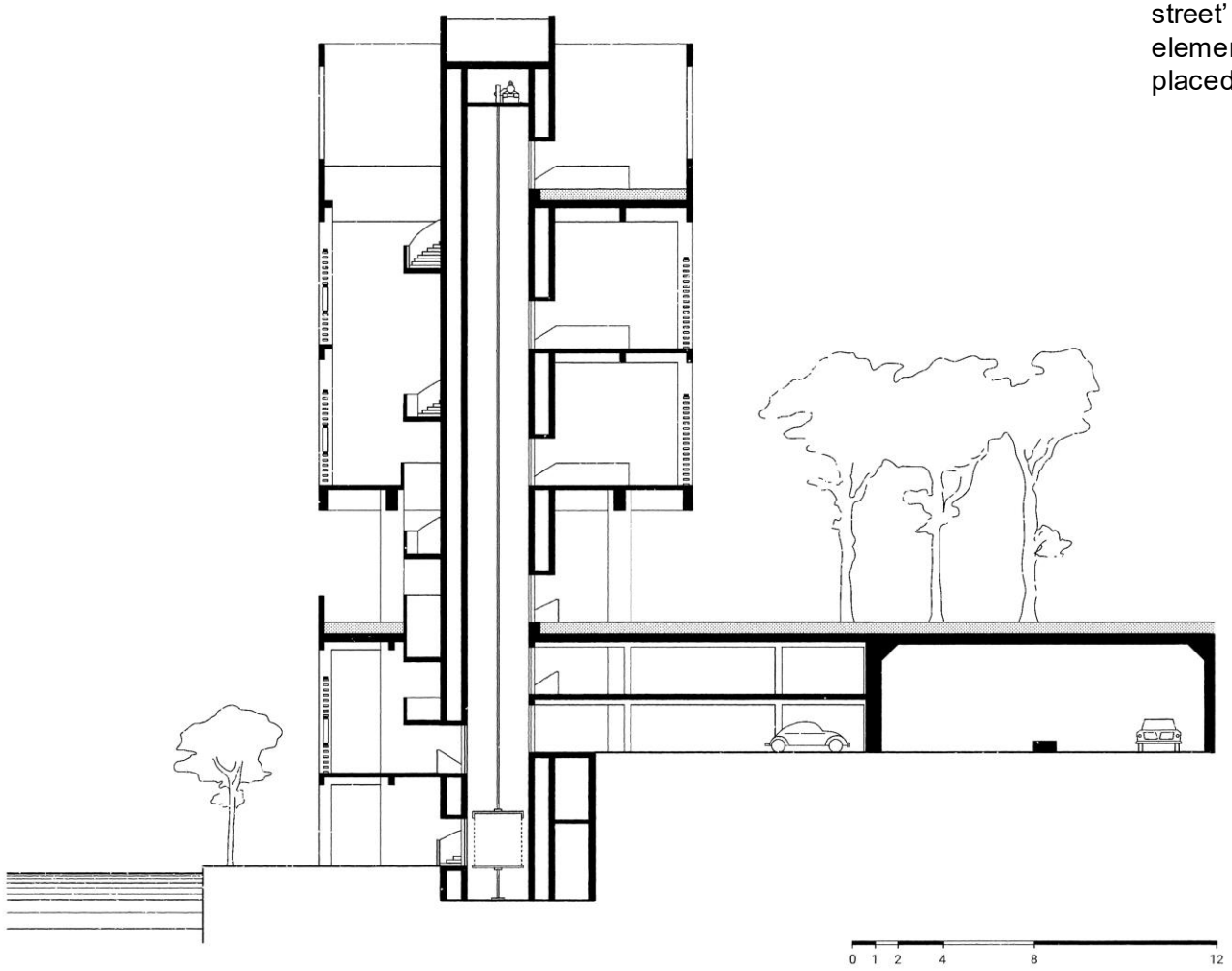
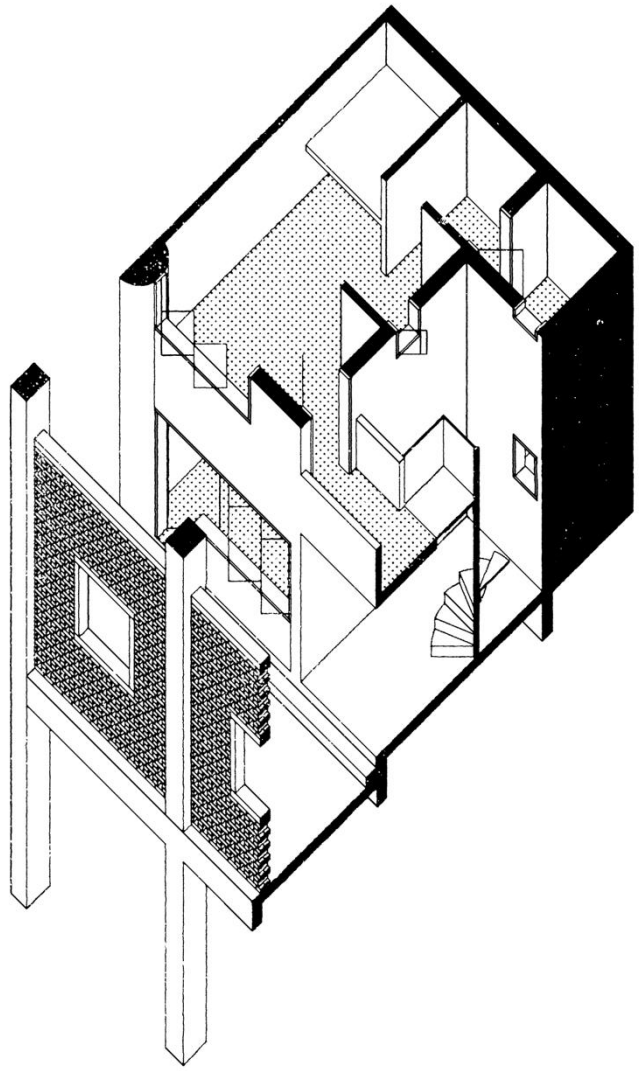


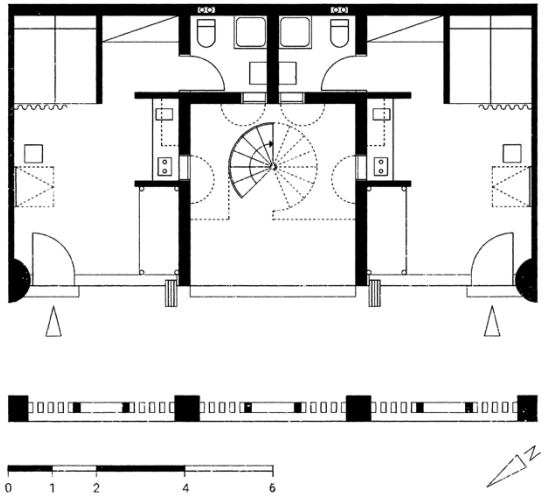


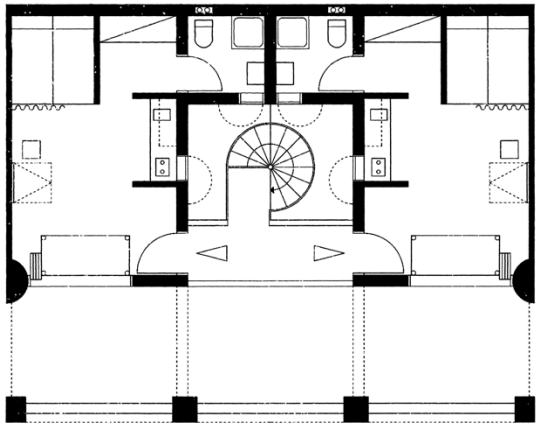
Gallery dwelling type

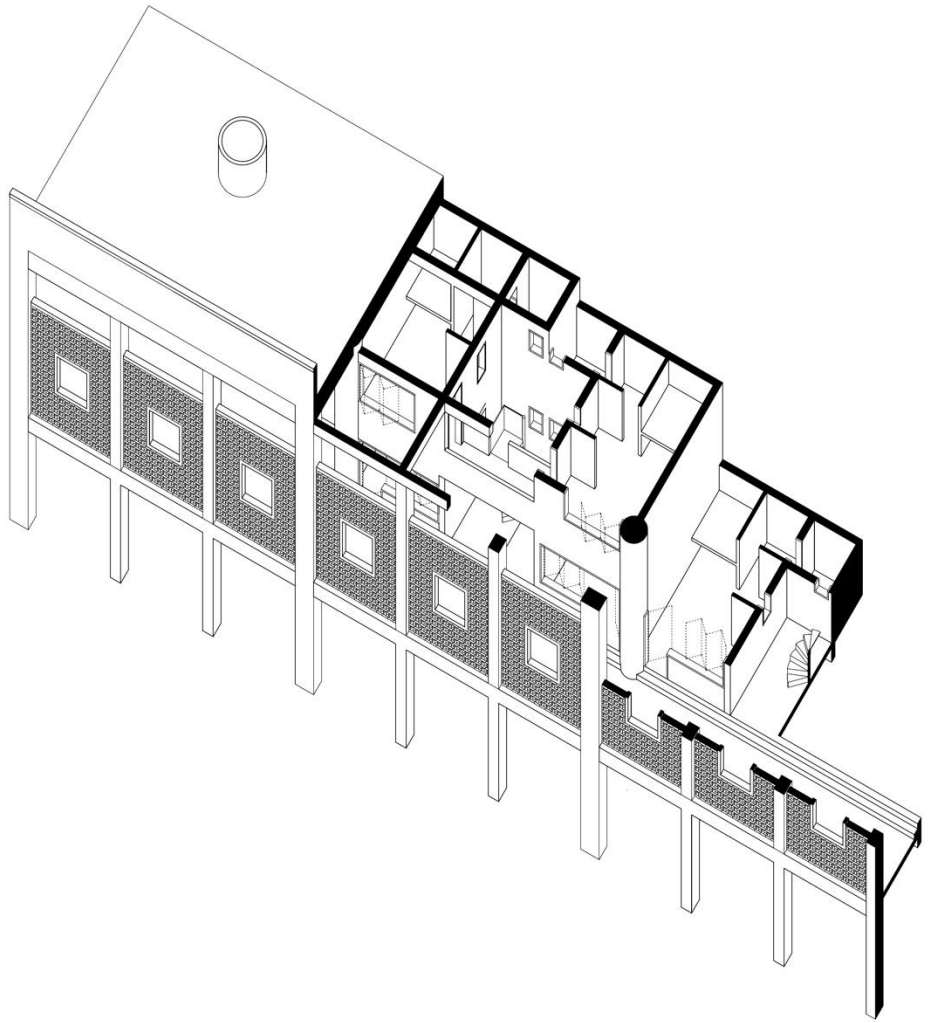
This dwelling type consists of two layers of compact appartments arranged by a collective gallery. The dwelling consists of the basisc functions while the live extends onto the gallery infront of the house.

dimensions:
h: 2610 mm
d: 6000 mm
l: 6500 mm
area: 25 m^2

material:
exposed concrete,
brick, wood







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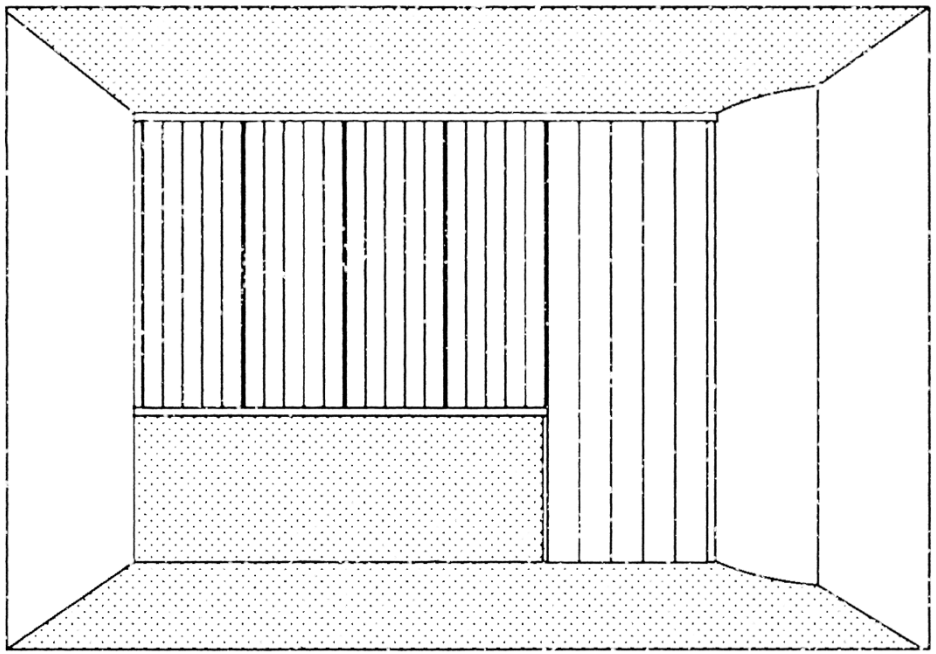

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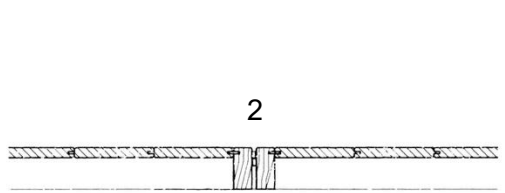

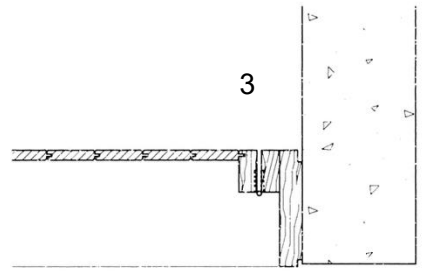

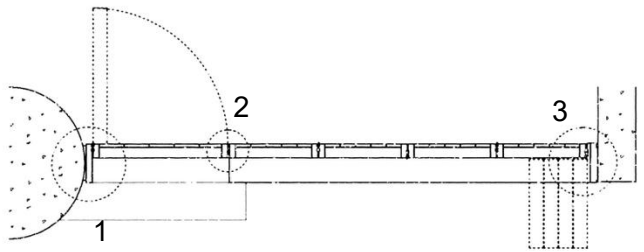

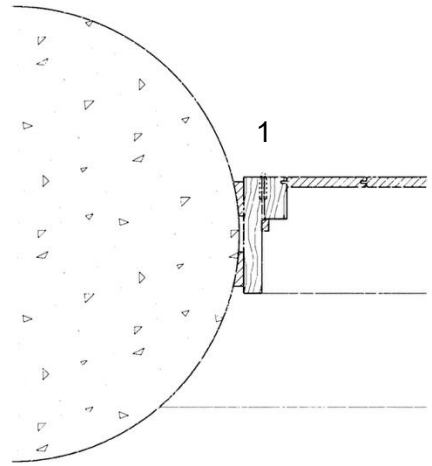

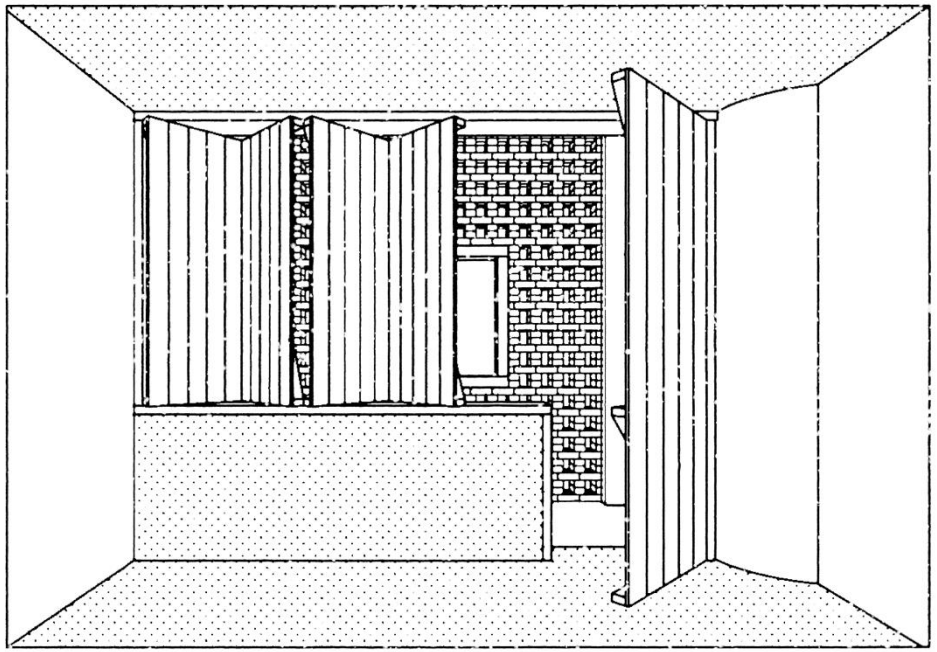

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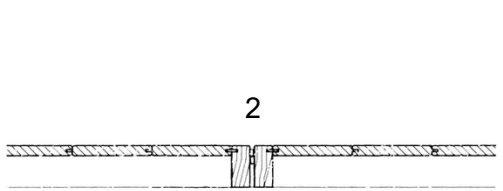

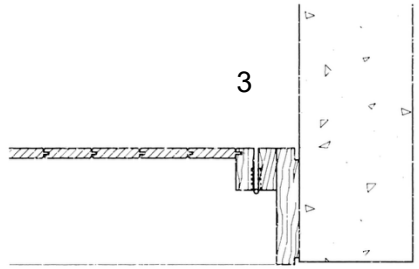

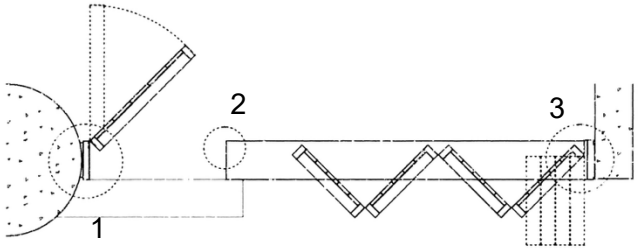

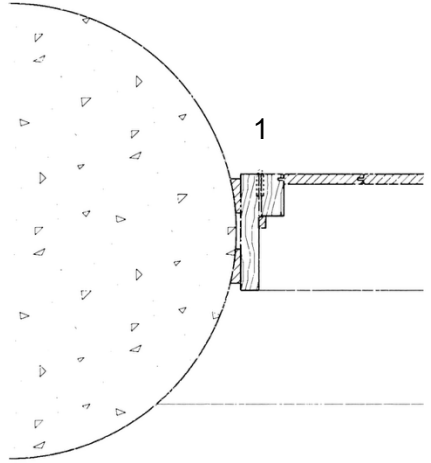

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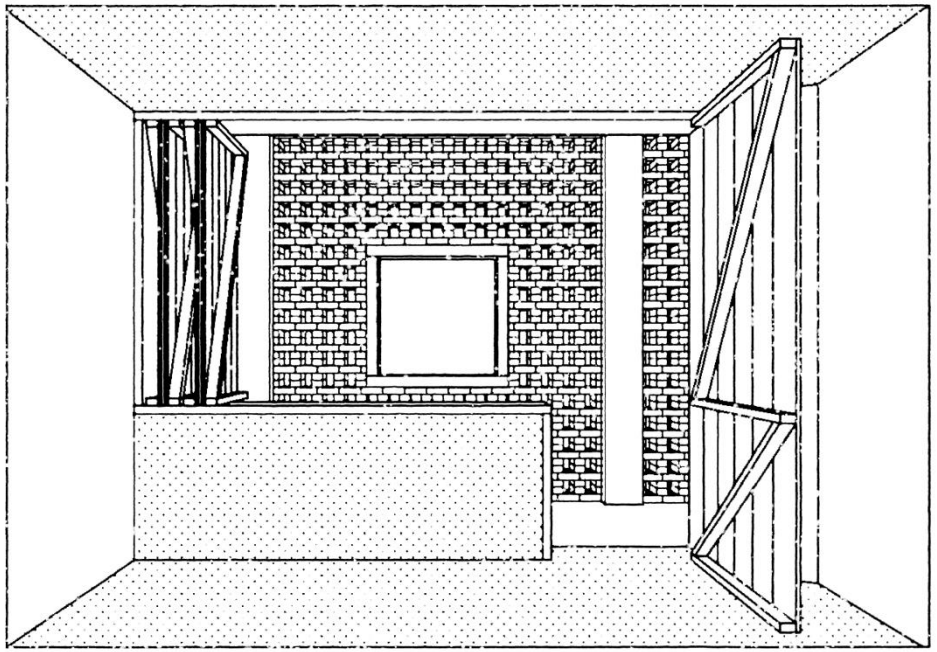

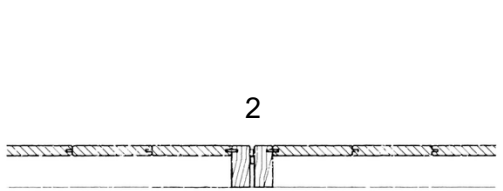

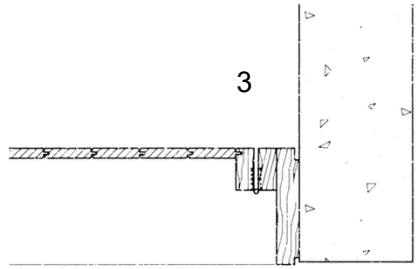

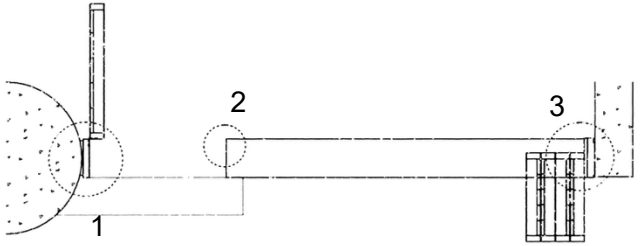

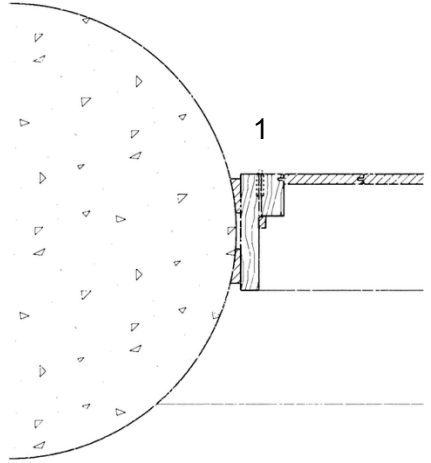

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d: 8000 mm

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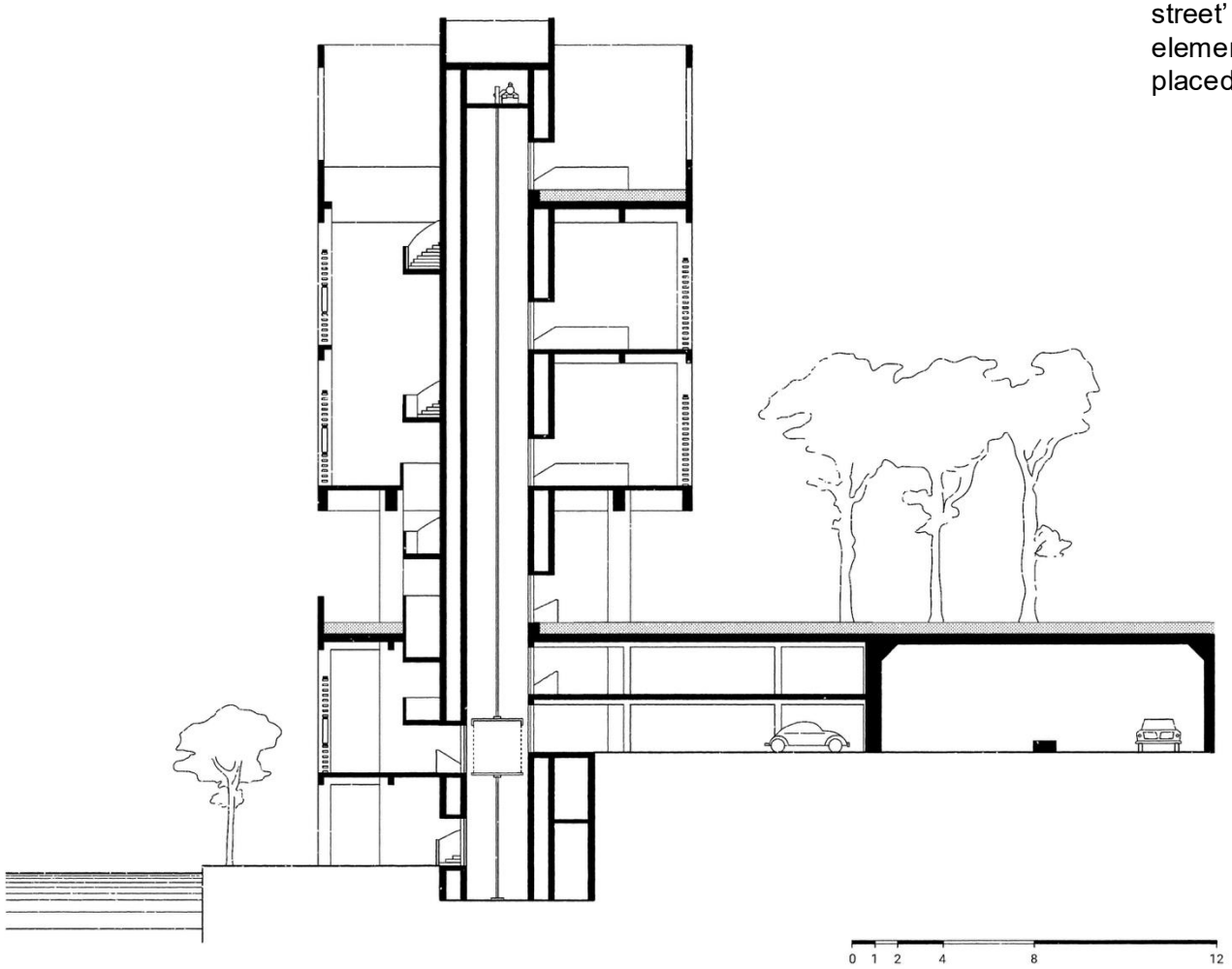

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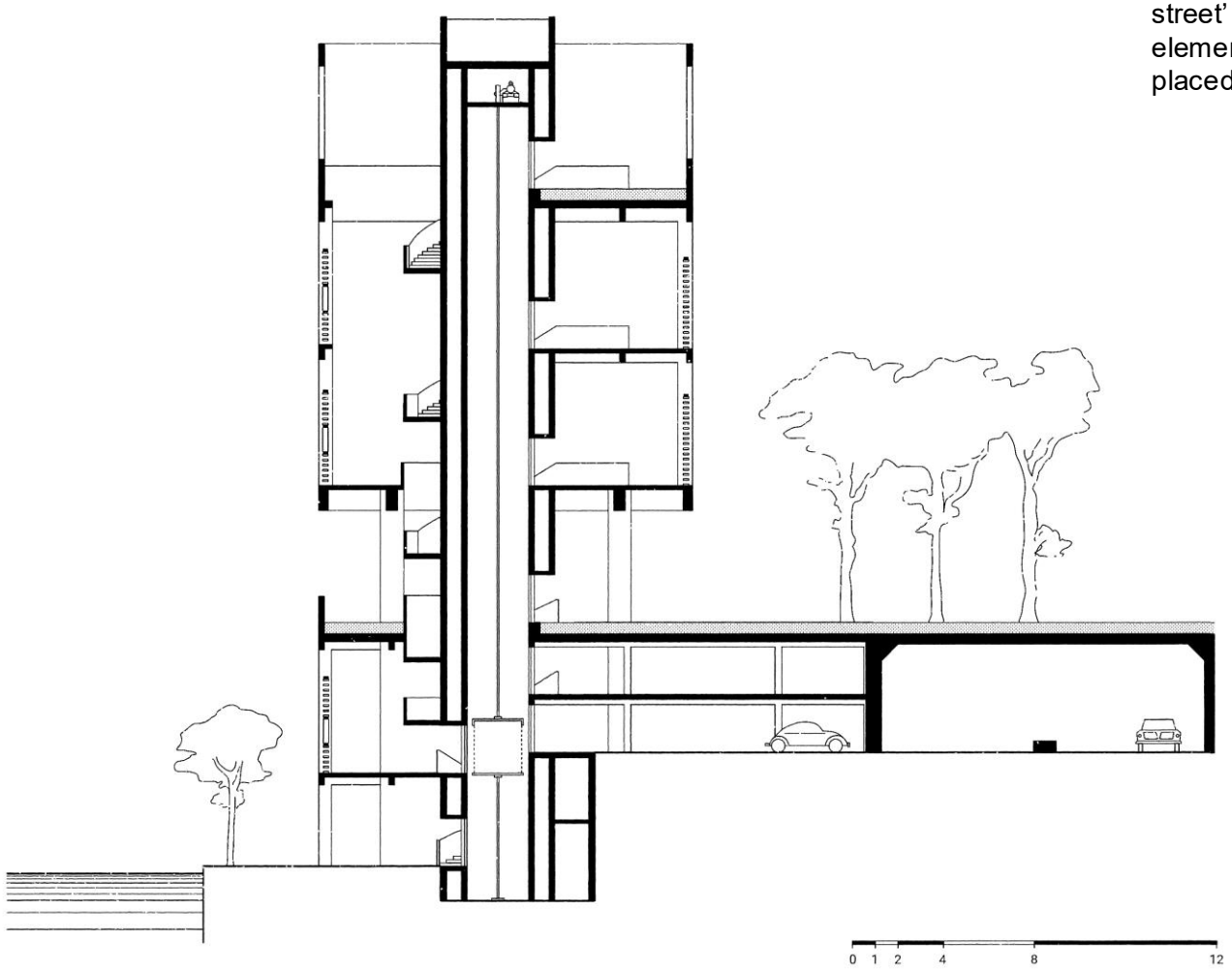

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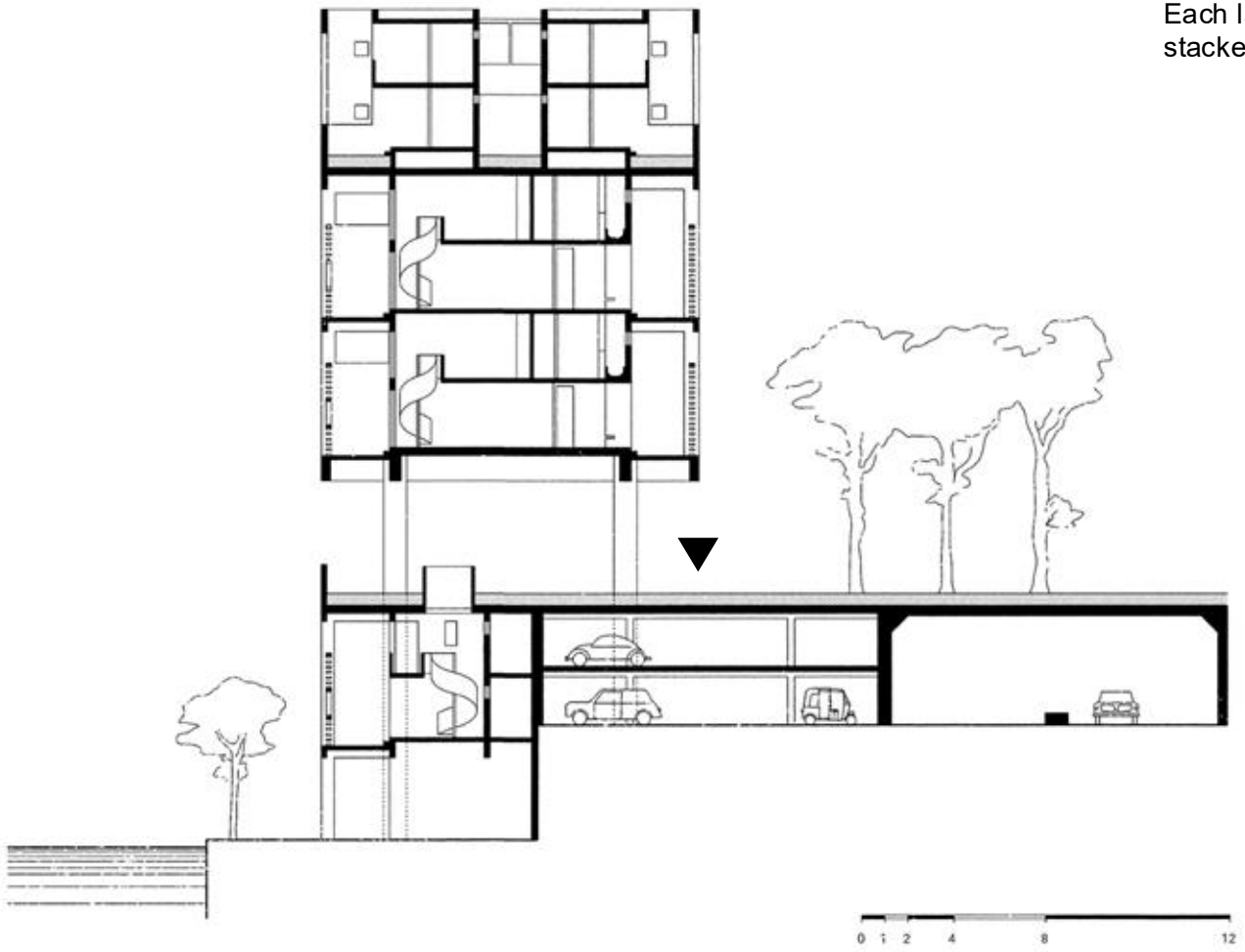

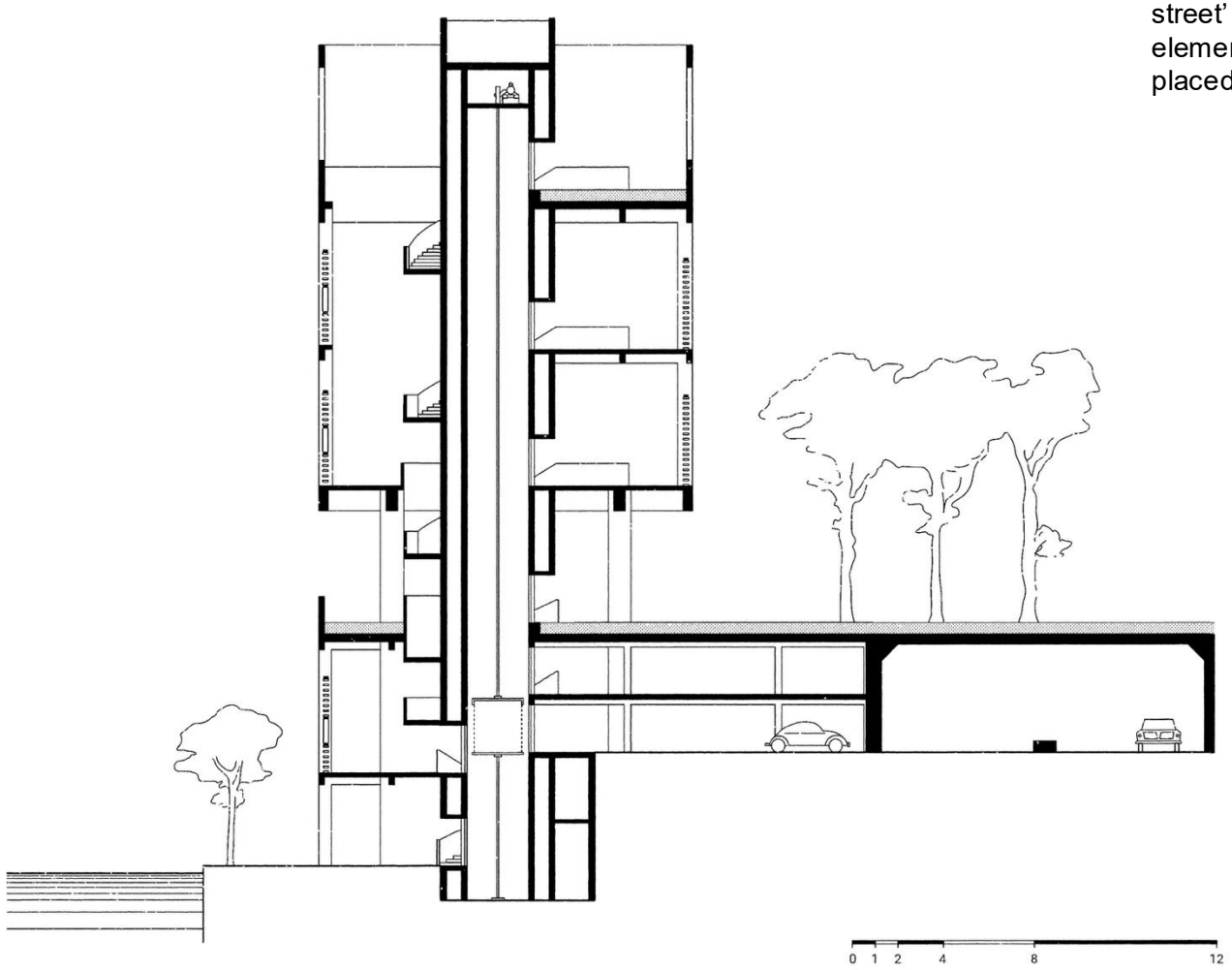

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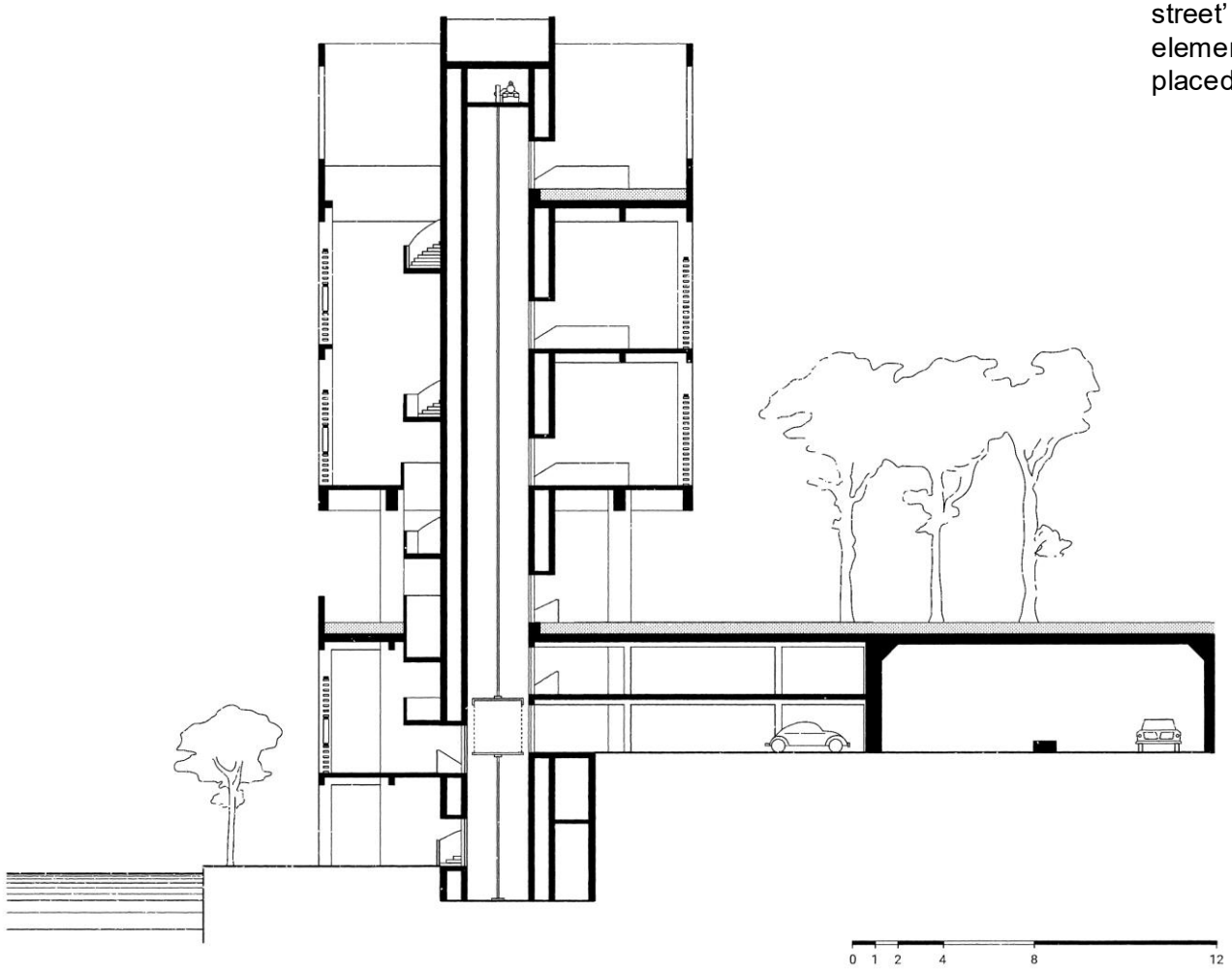


Stairs

The main organising element is the spiral staircase. This functions as a the ‘main street’ of the structure and connects all the elements within the building. A watertank is placed on top of the element.

dimensions:
h: 47500 mm
d: 8000 mm

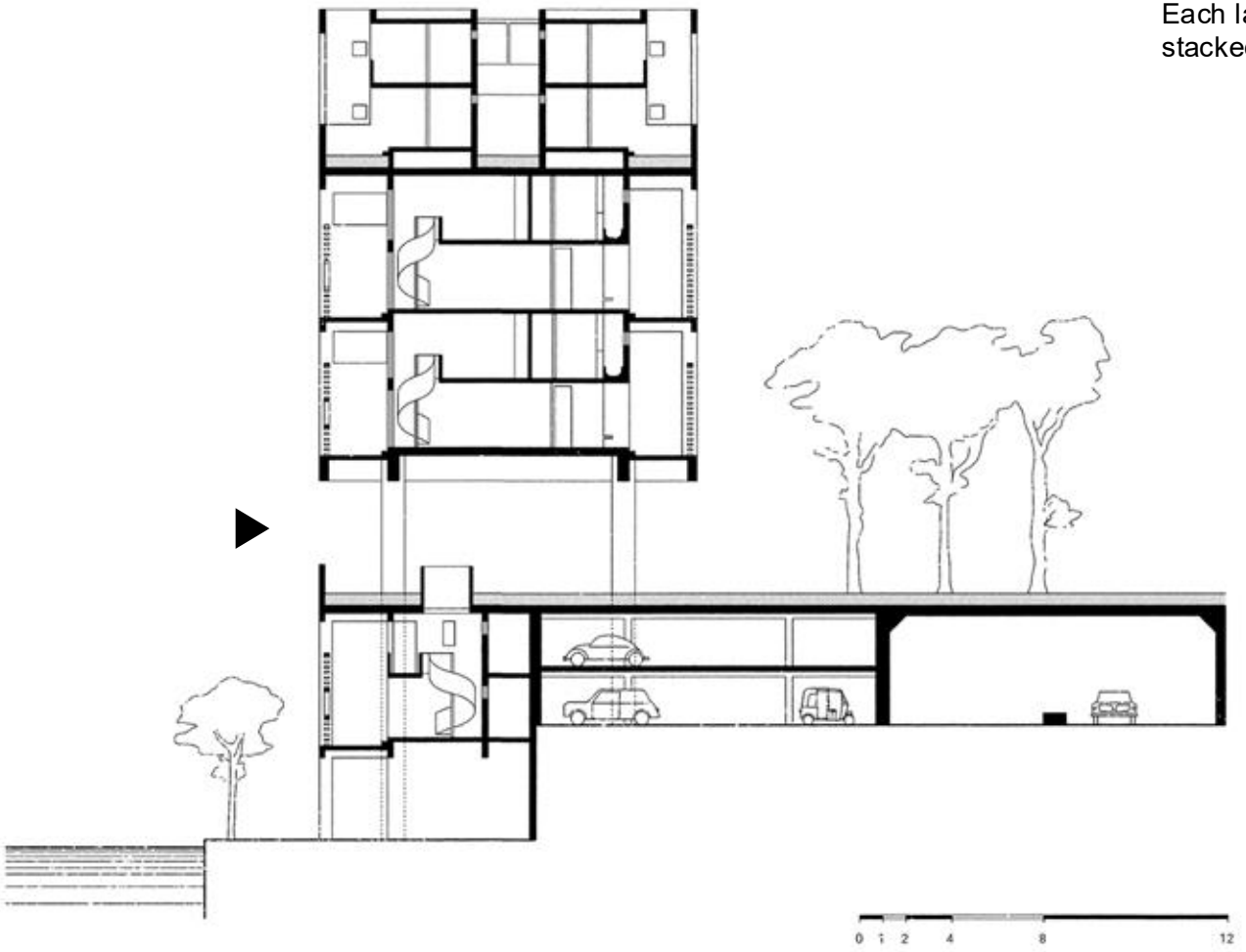
material:
exposed concrete

Section

The project is actively developed as a section that consists of multiple elements on different levels. Allowing for repetition. Each layer consists of a street-quality stacked vertically.

dimensions:
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

material:
exposed concrete, brick

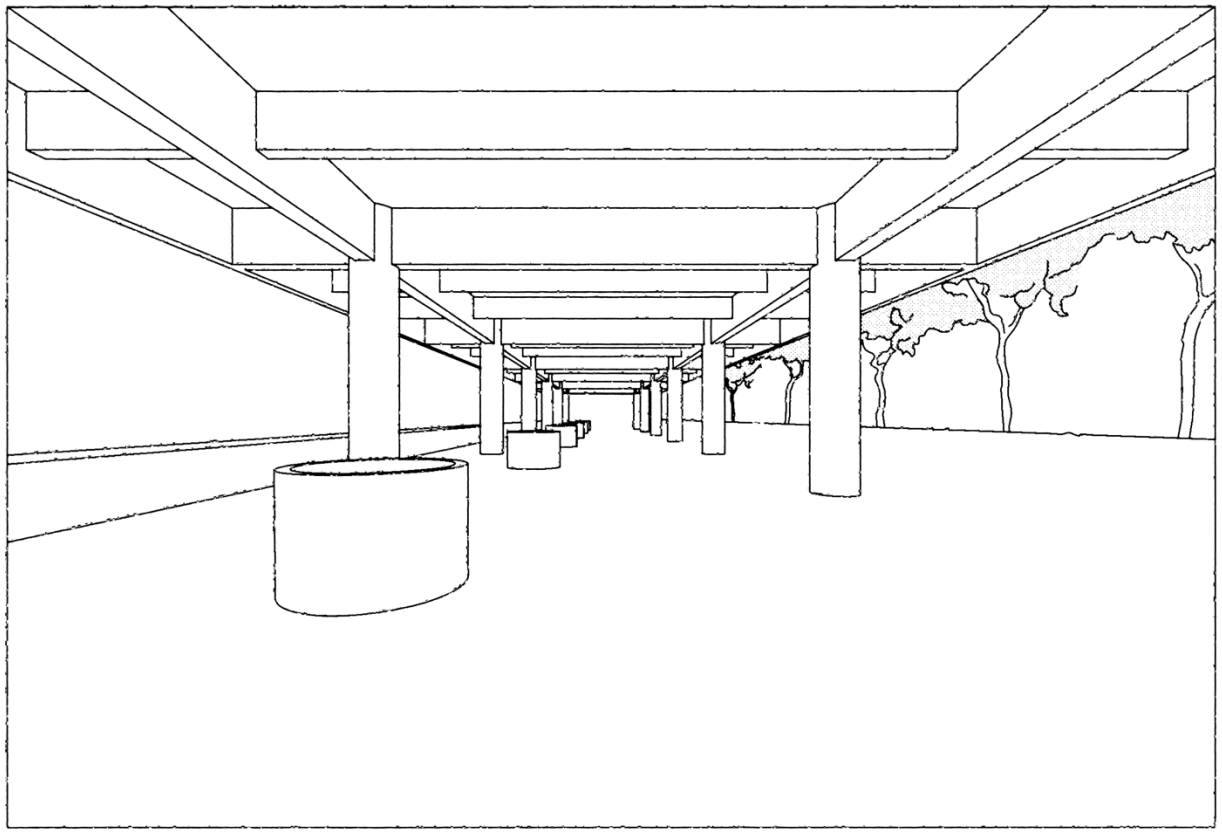


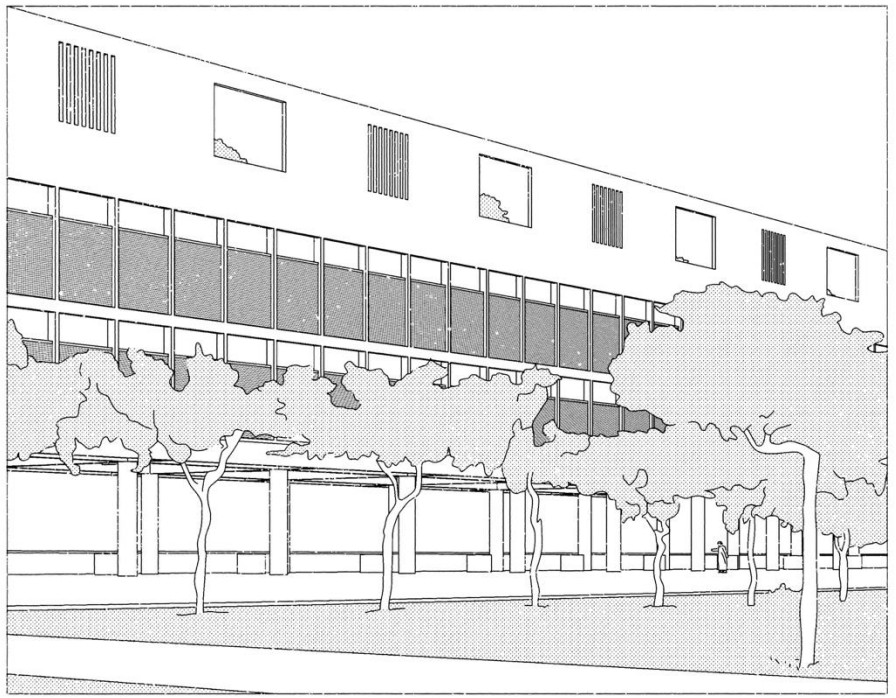
Colonnade

On the new raised city level, a colonnade provides shade during the day encouraging daily use. This space is a place where anything and everything can happen.

dimensions:
l: ∞ mm

material:
exposed concrete



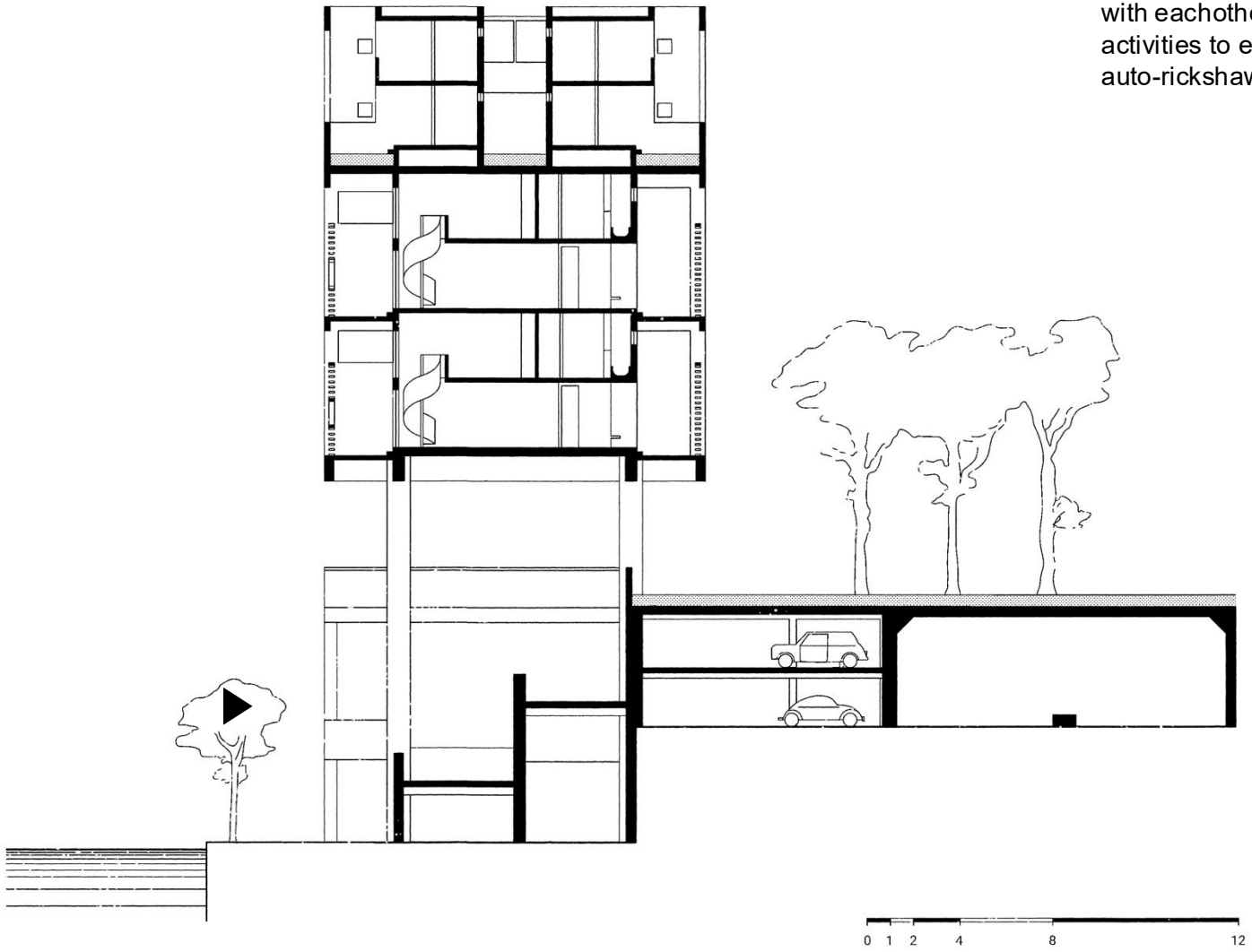


Ramp

The ramp connects the two colonnades with eachother, allowing for informal activities to enter the riverfront such as auto-rickshaws and carts.

dimensions:
l: 100 m

material:
exposed concrete



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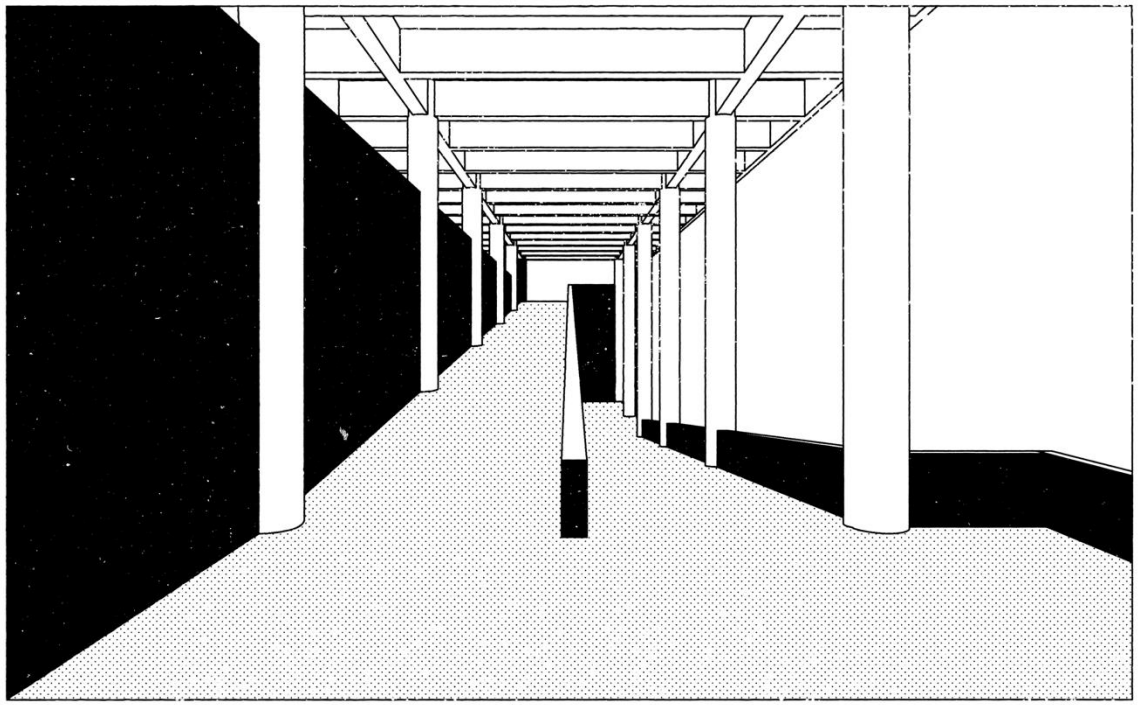

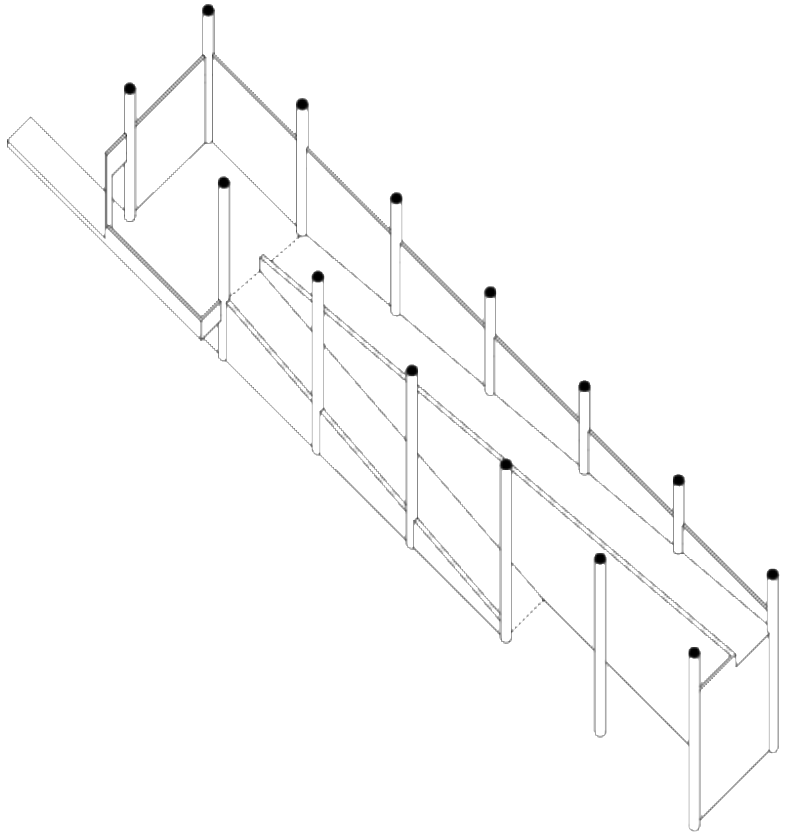

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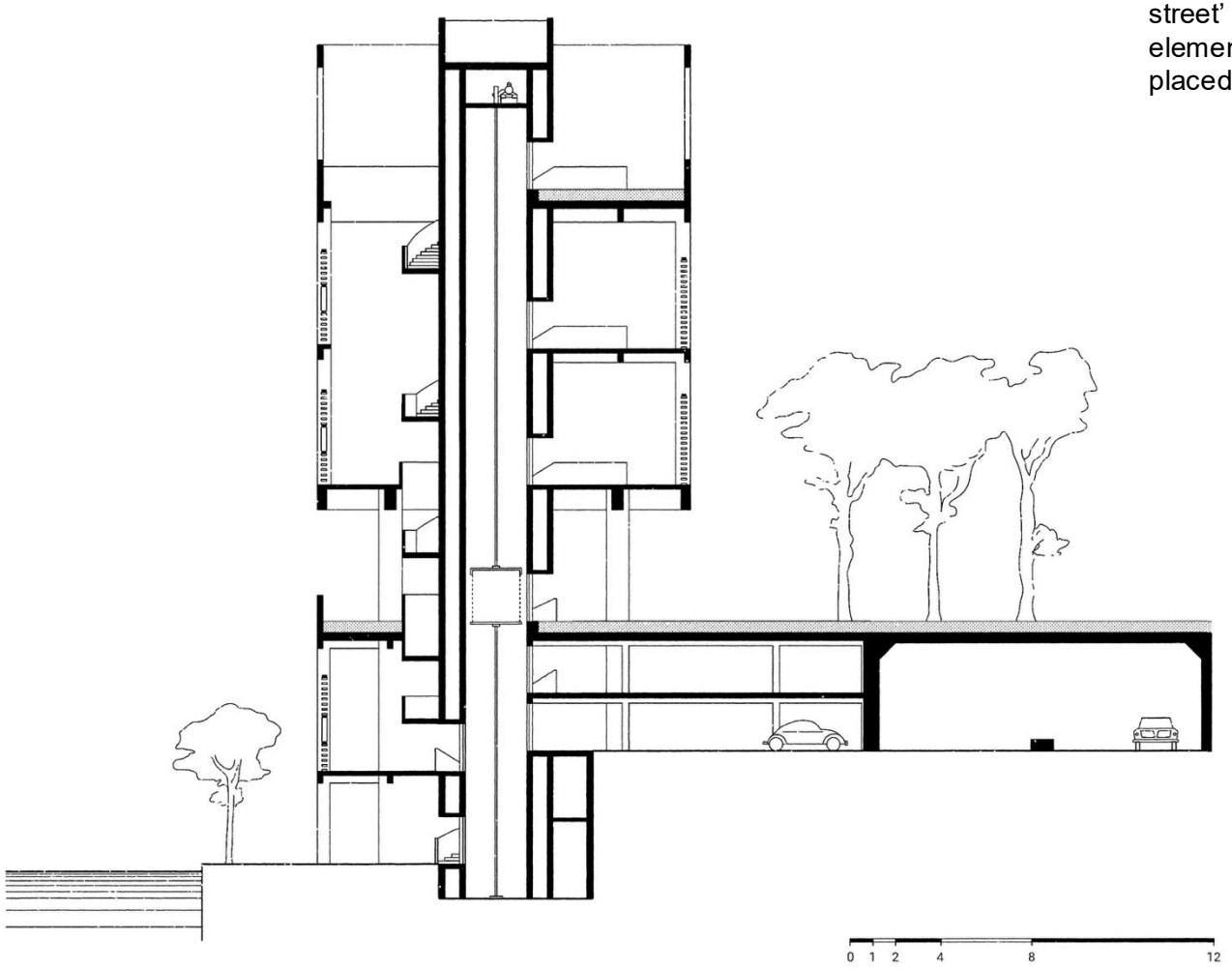
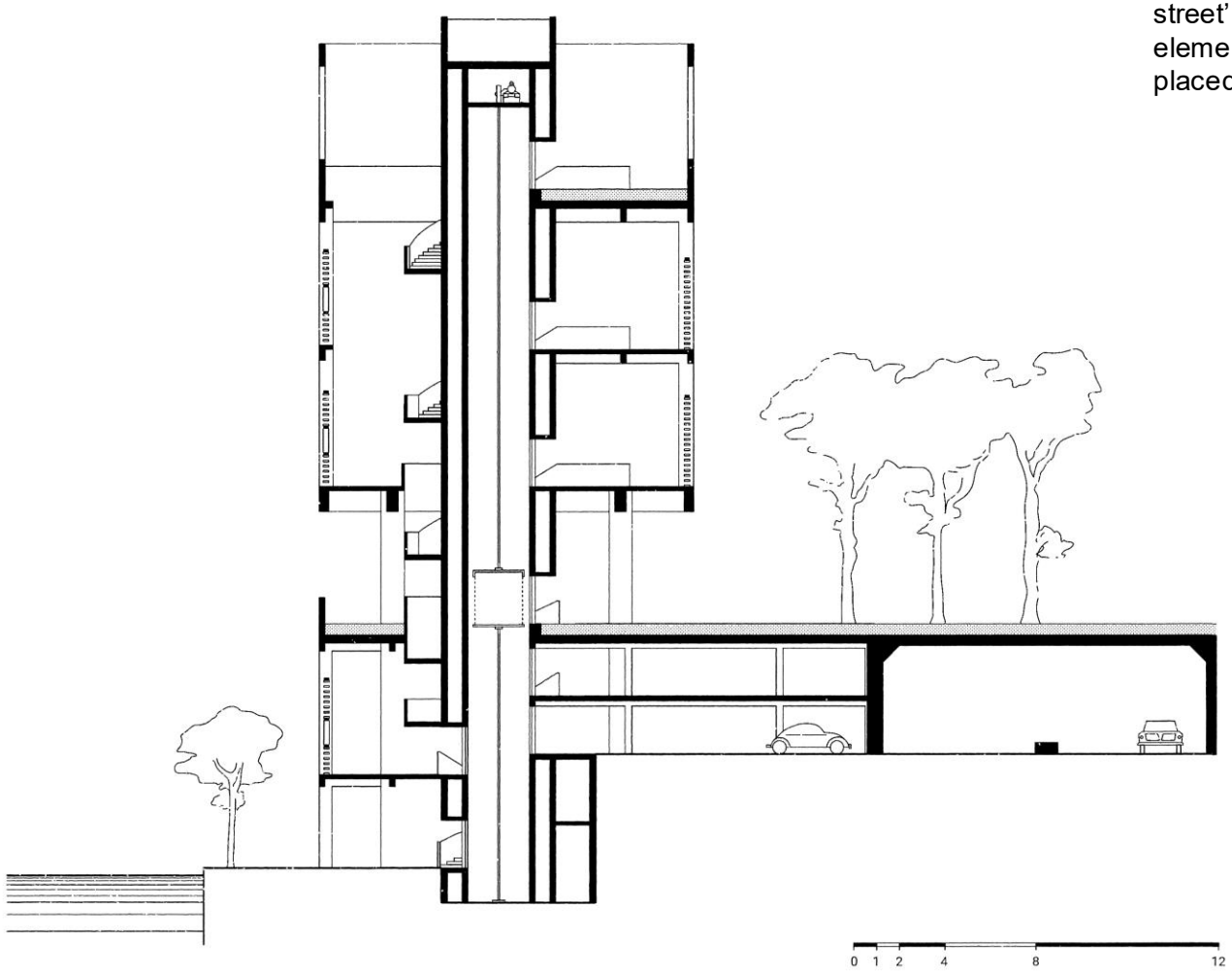
dimensions:
h: 47500 mm
d: 8000 mm

material:
exposed concrete





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dimensions:
h: 47500 mm
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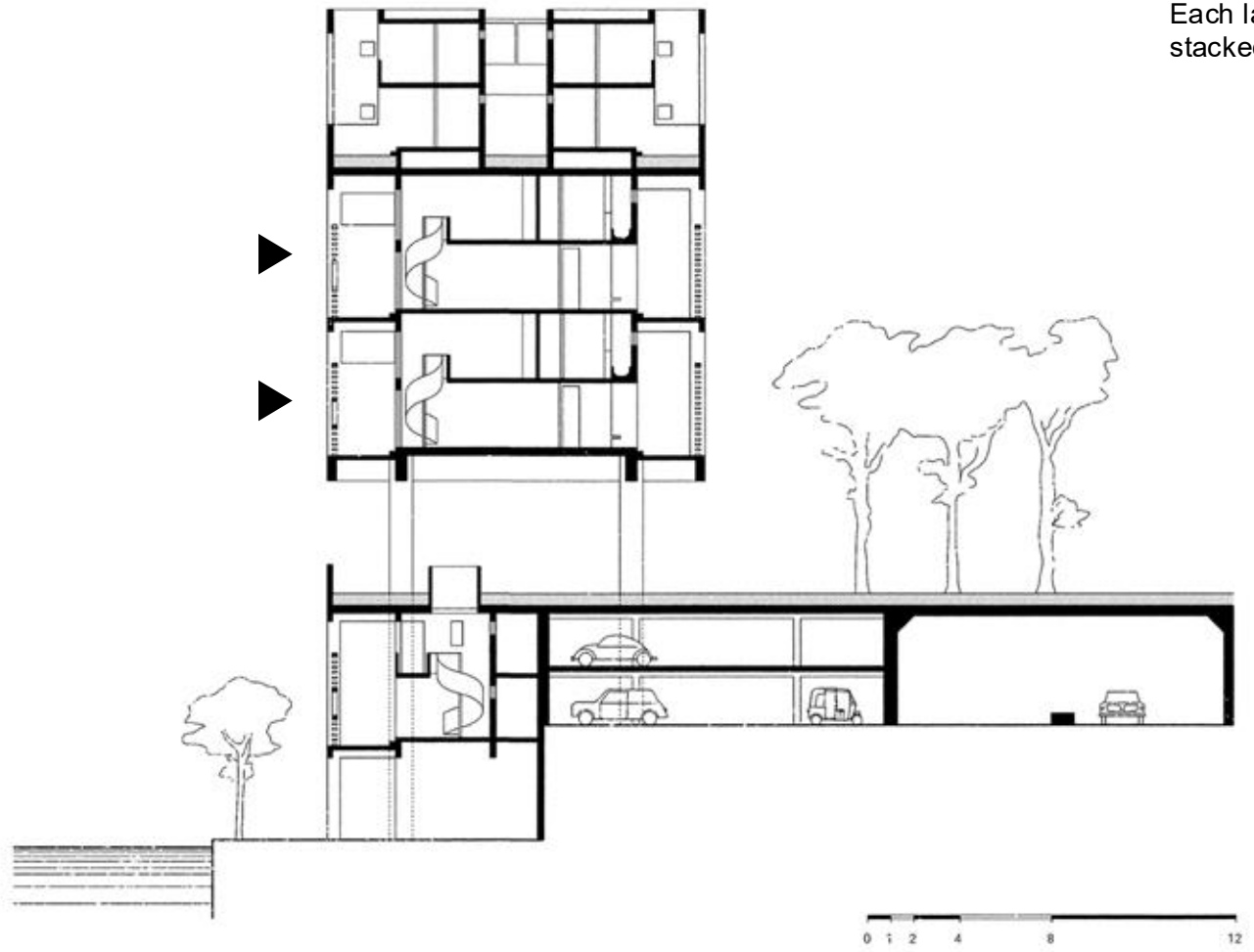
material:
exposed concrete

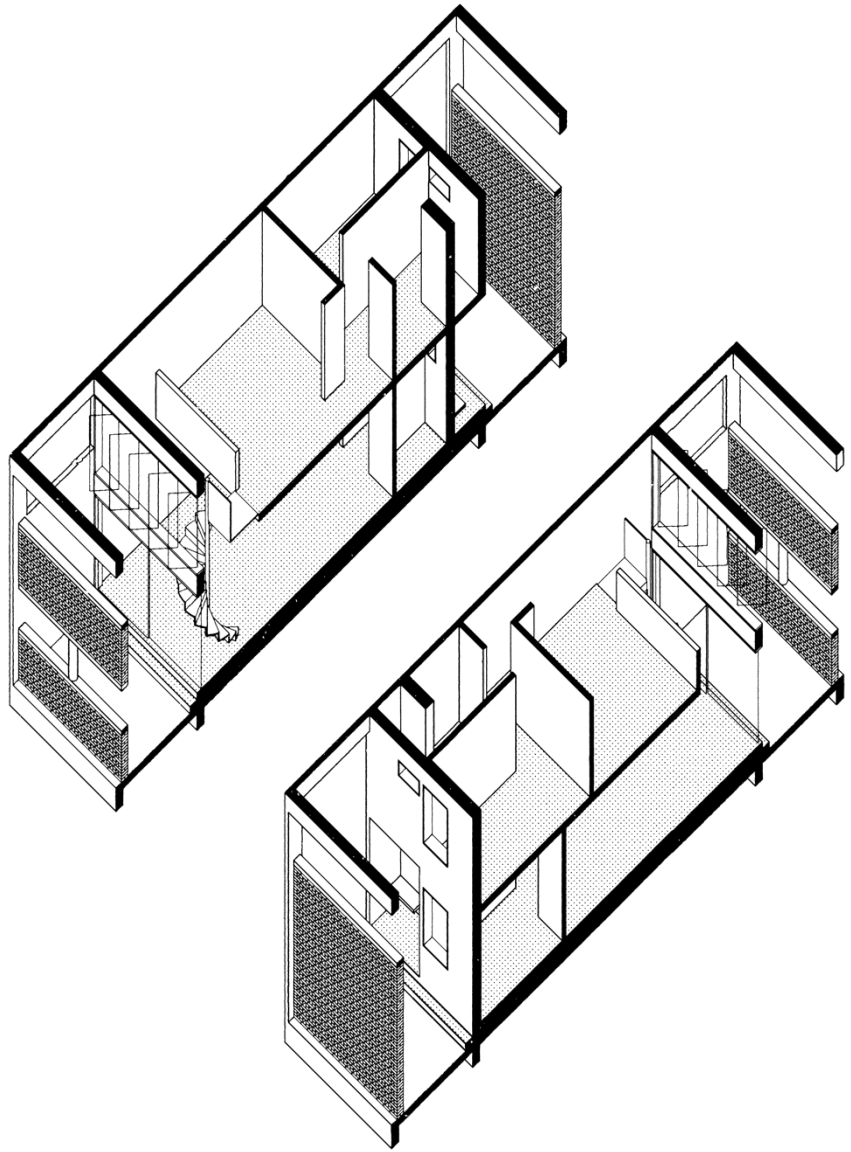
Section

The project is actively developed as a section that consists of multiple elements on different levels. Allowing for repetition. Each layer consists of a street-quality stacked vertically.

dimensions:
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

material:
exposed concrete, brick



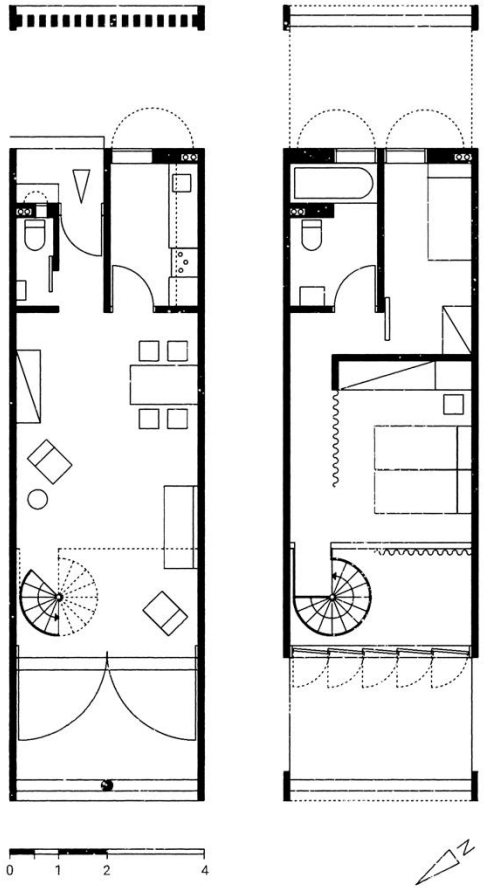


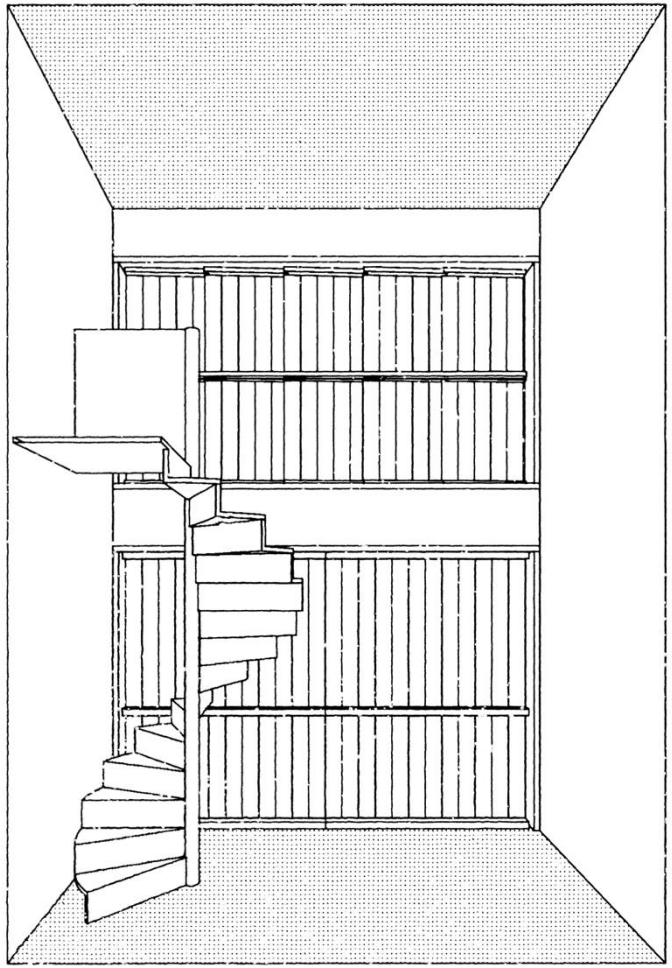
Contemporary dwelling type

This dwelling type consists a duplex unit and is catered towards the newer generations. There are two bedrooms an open living with double height space towards the balcony. The outsite space is an extension from the inside.

dimensions:
h: 5820 mm
d: 4000 mm
l: 16400 mm
area: 80 m^2

material:
exposed concrete,
brick jali, wood





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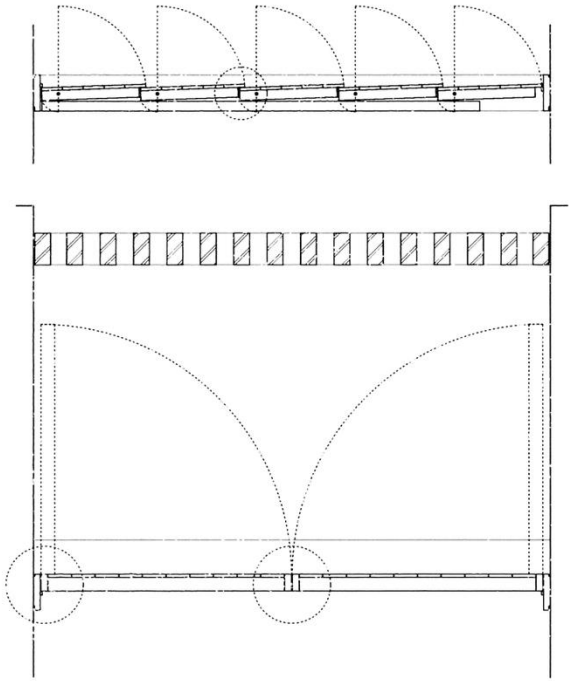

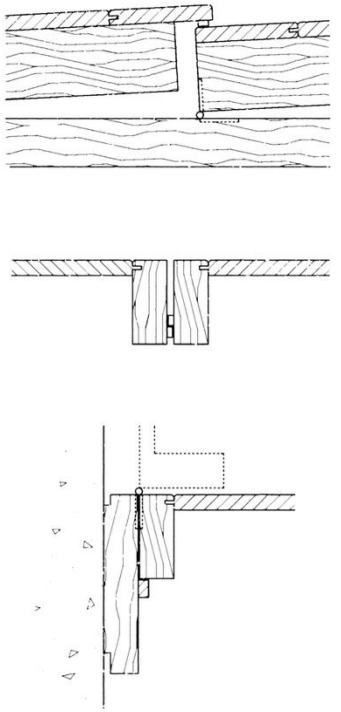

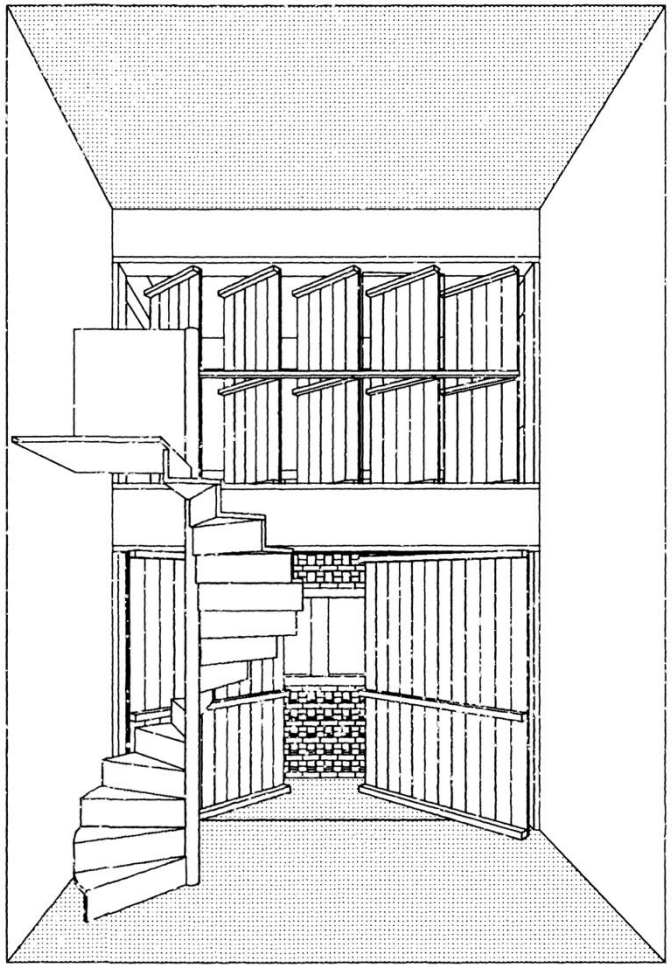

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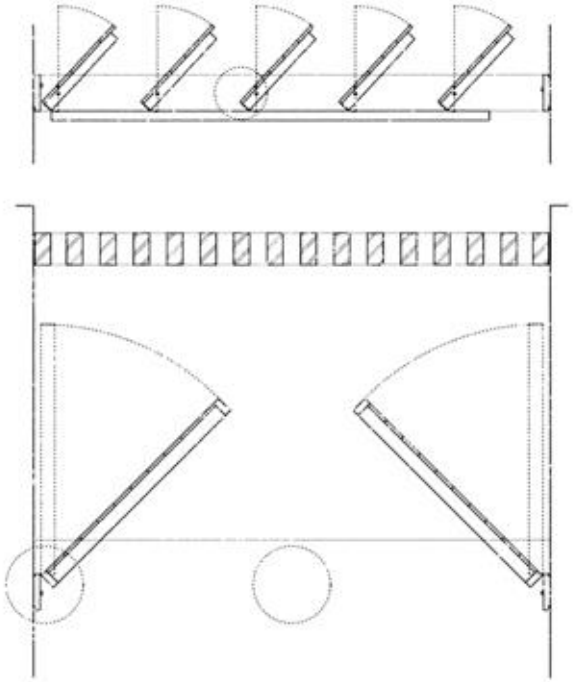

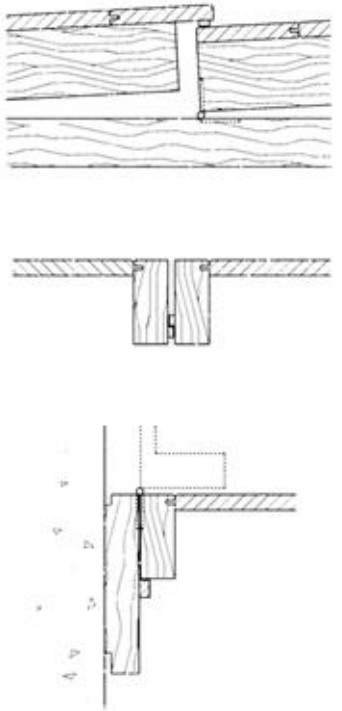

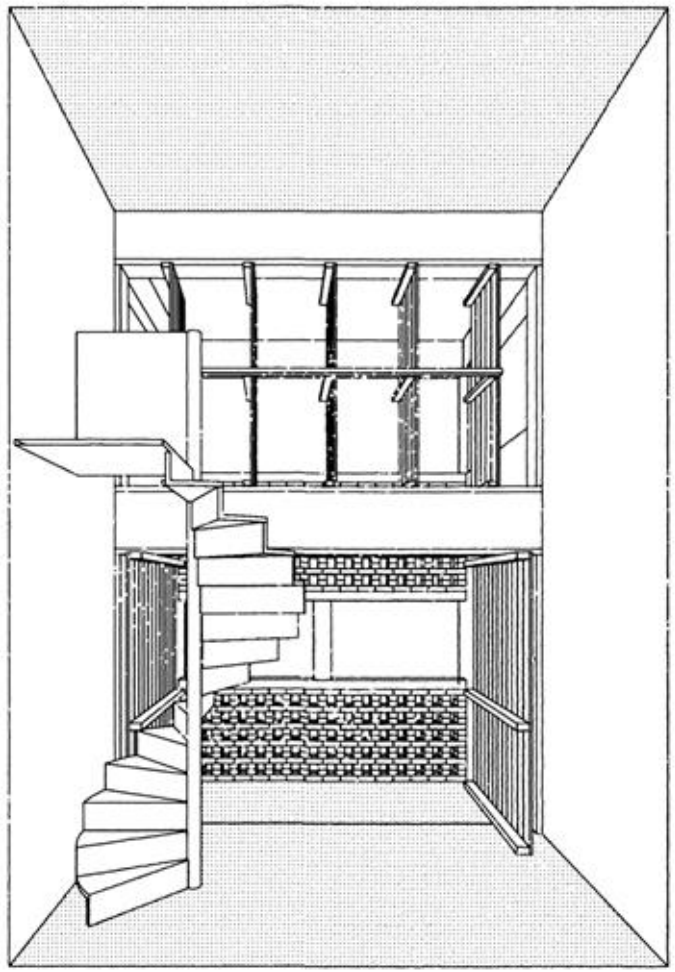

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area: 80 m^2

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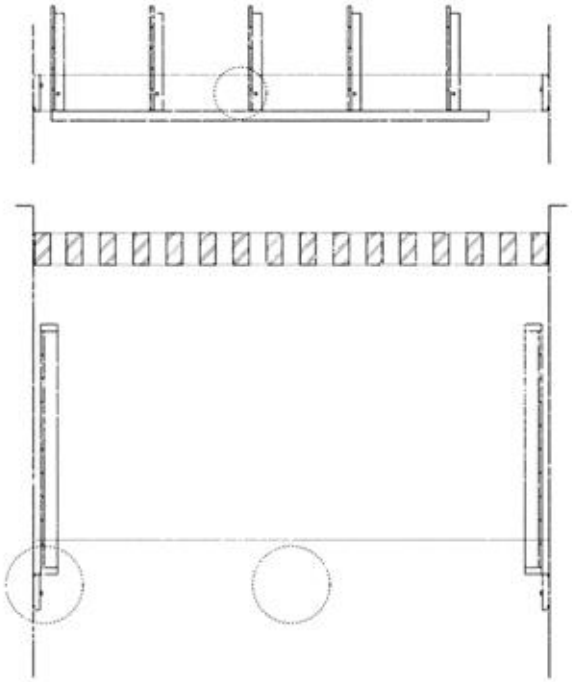

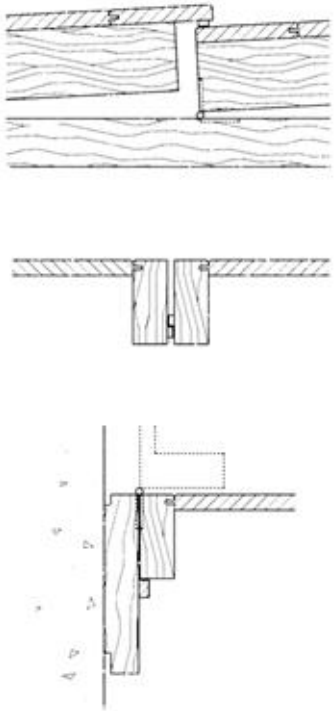

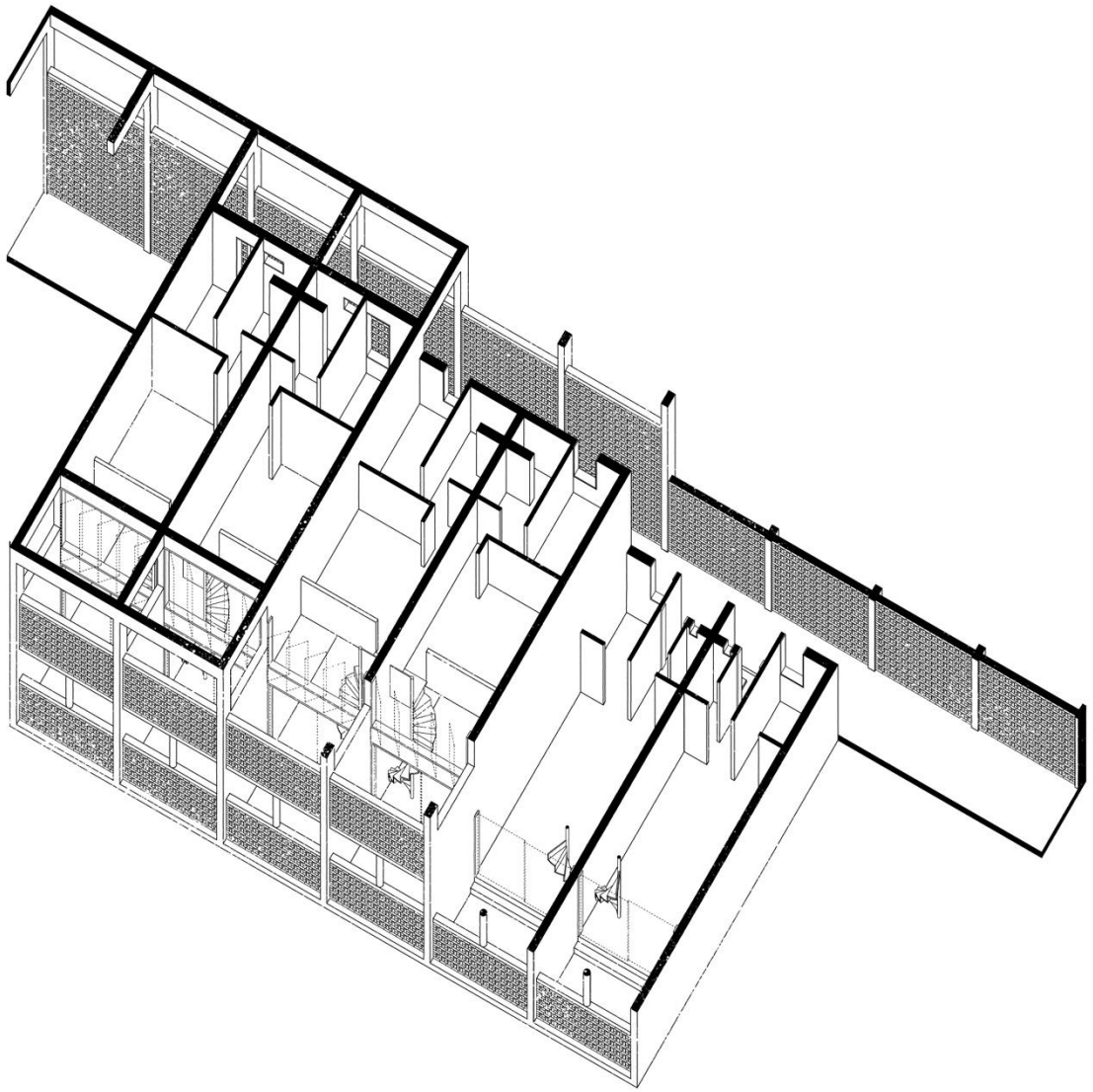

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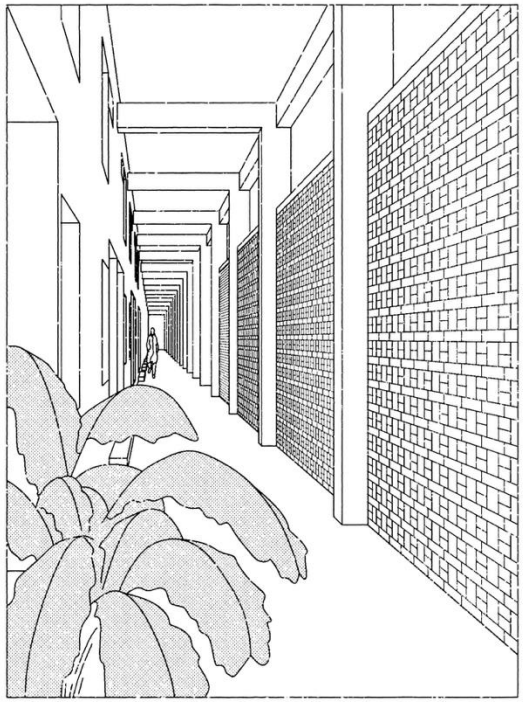

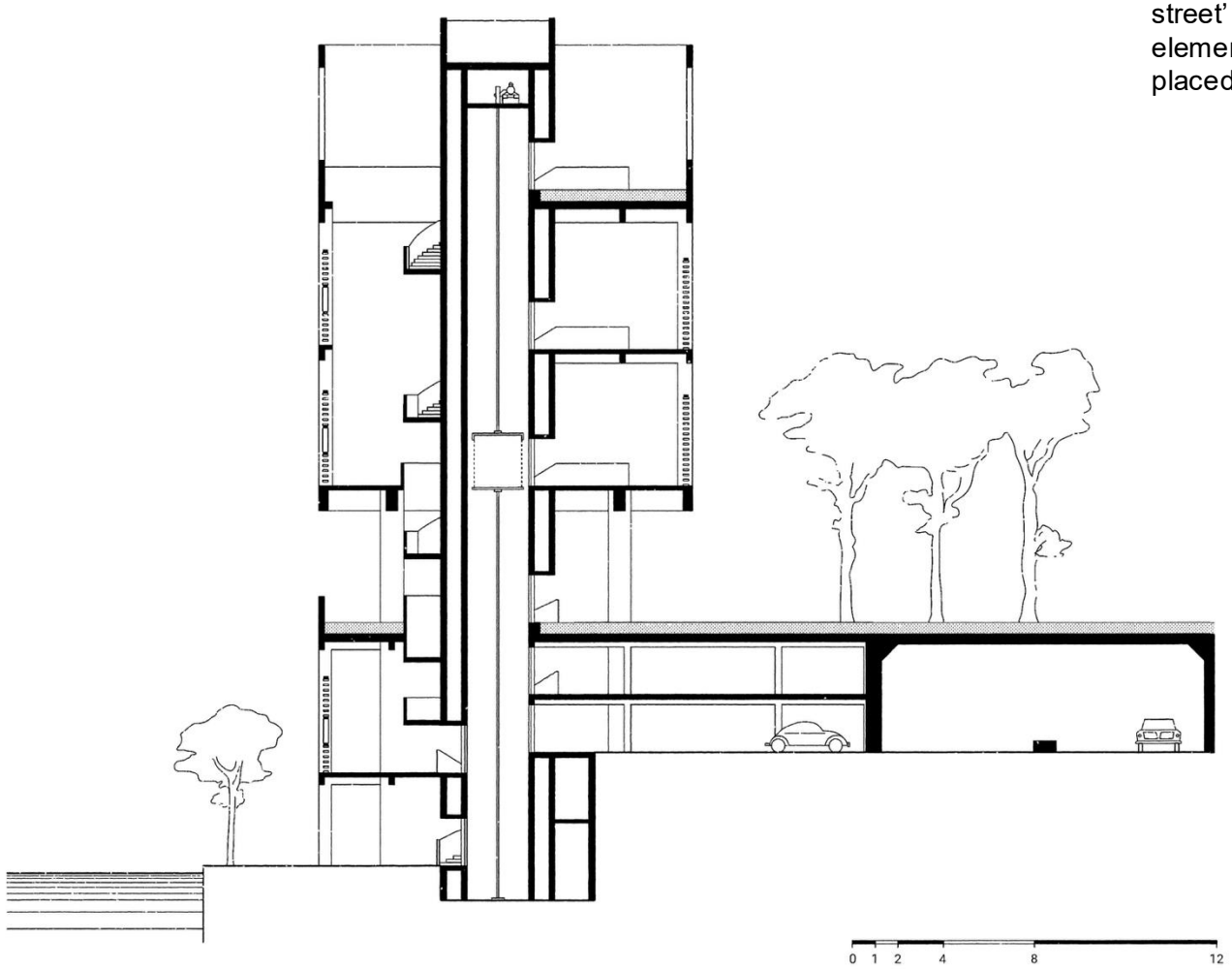

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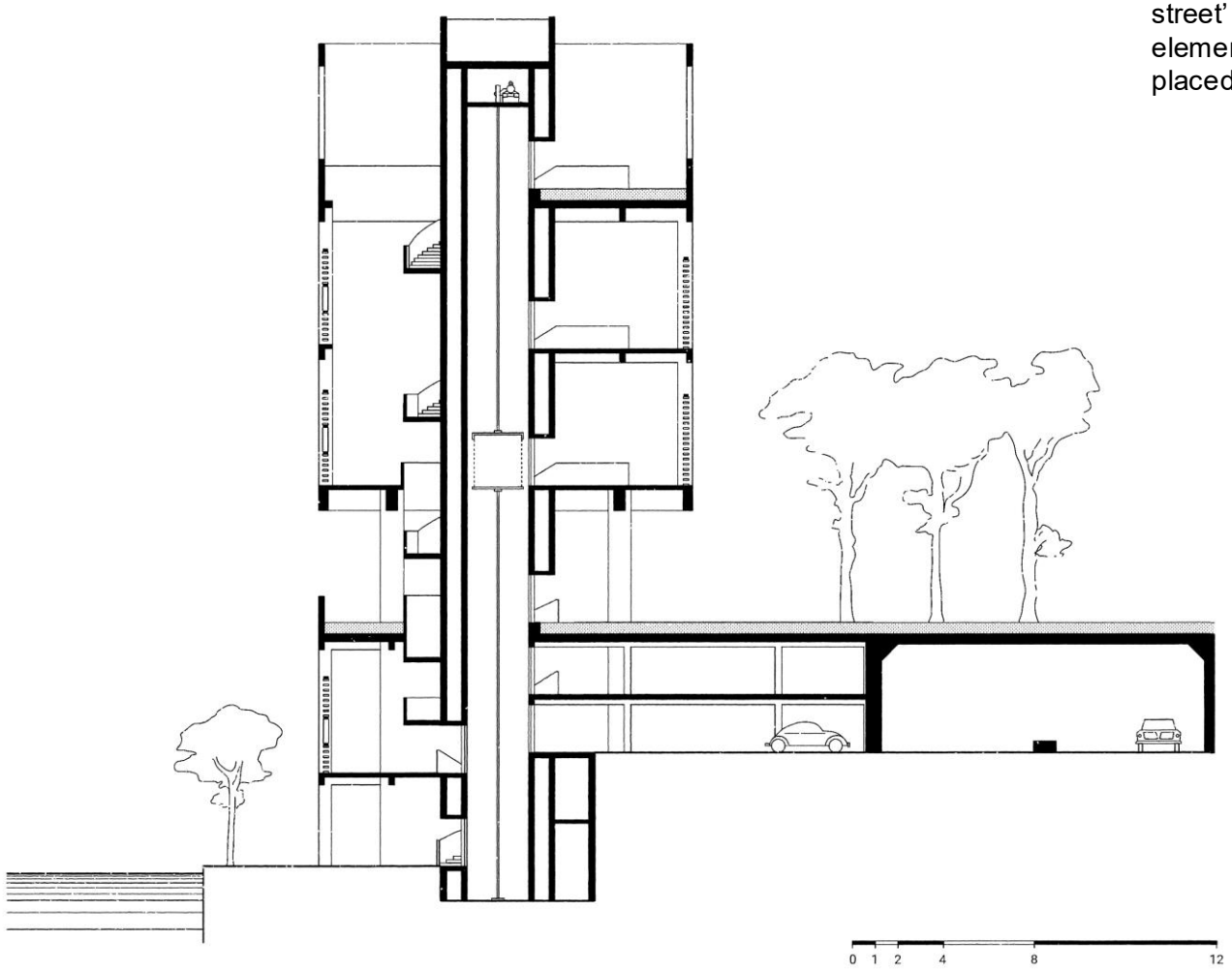

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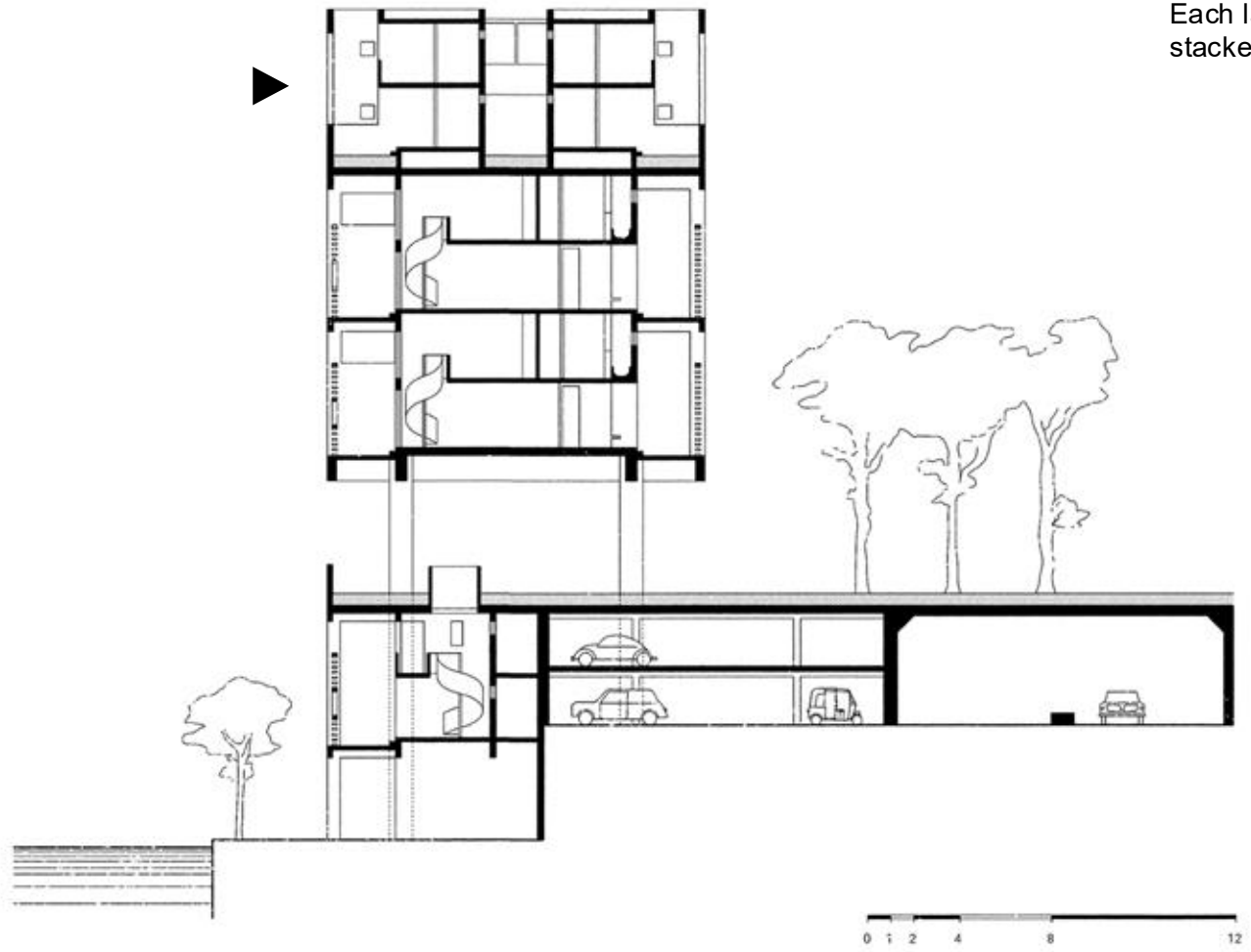
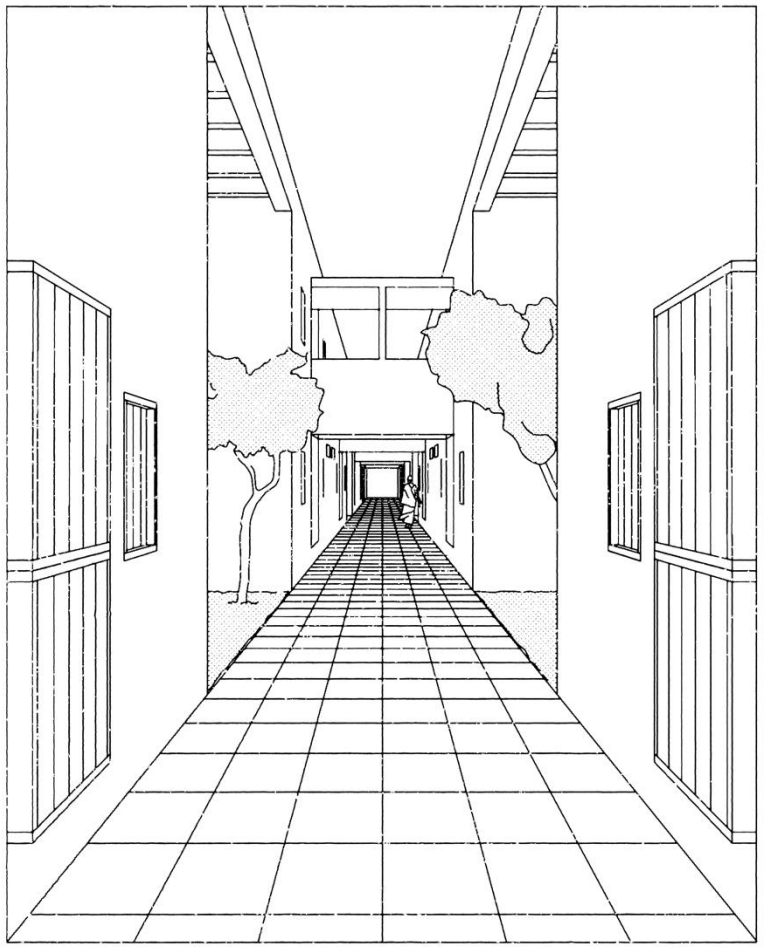
l: ∞ mm
area: ∞ m^2

material:
exposed concrete, brick





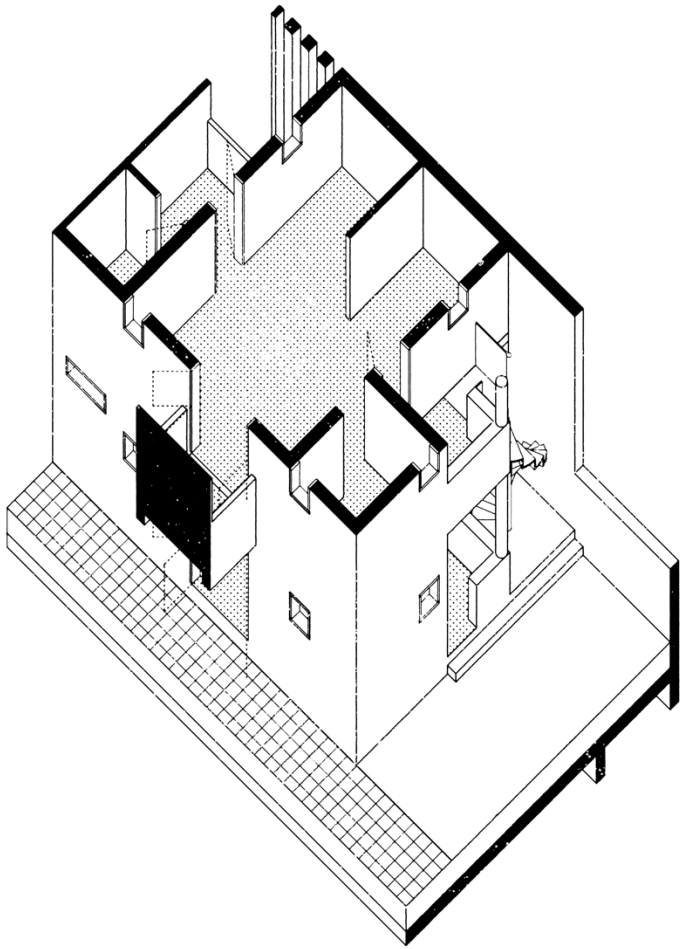
Community dwelling type

This dwelling type consists of a community-based housing where a series of 4 units share a collective roof garden. The type houses two stacked compact apartments designed as affordable housing.

dimensions:
h: 2610 mm
d: 6500 mm
l: 6000 mm
area: 40 m^2

material:
exposed concrete





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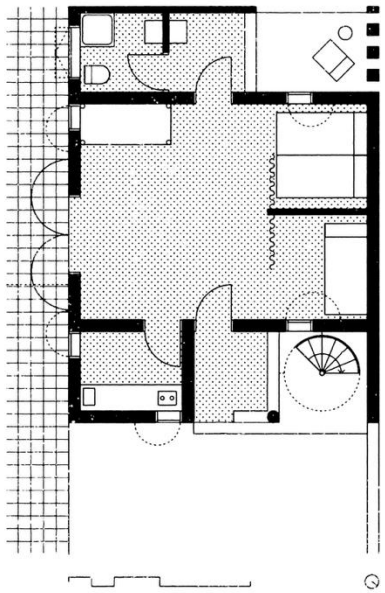

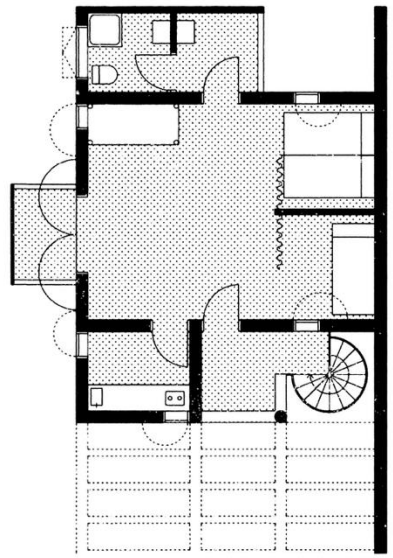

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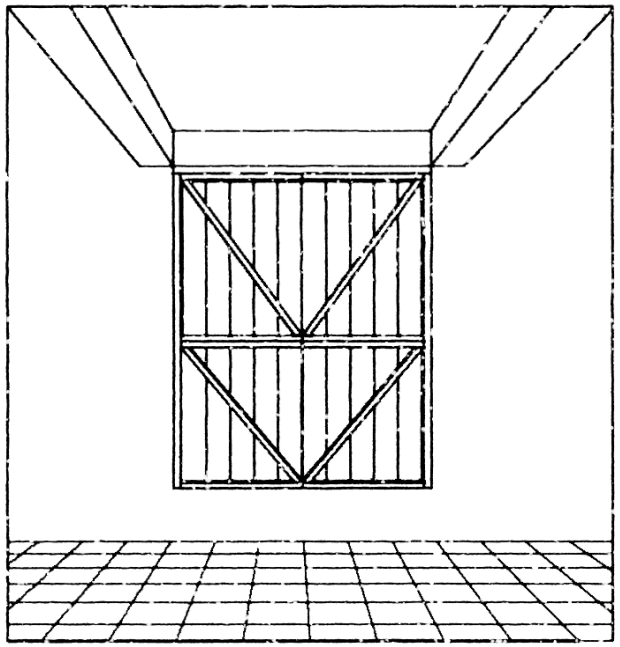
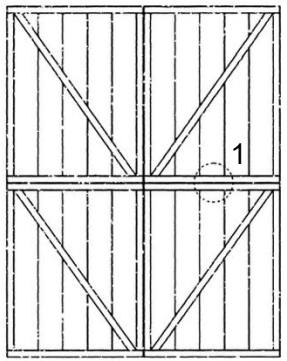
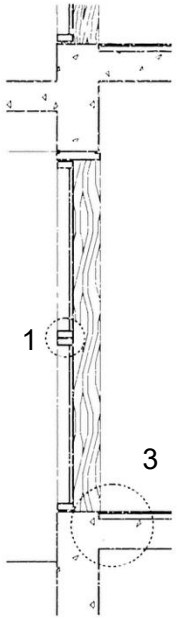
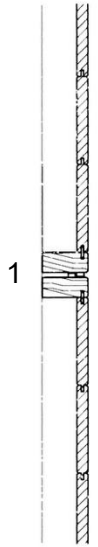
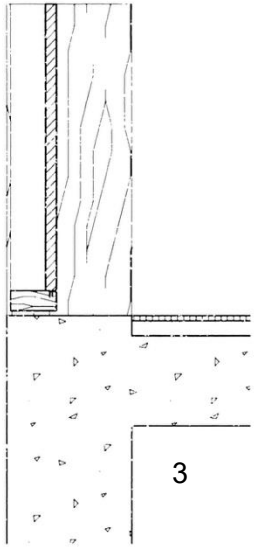
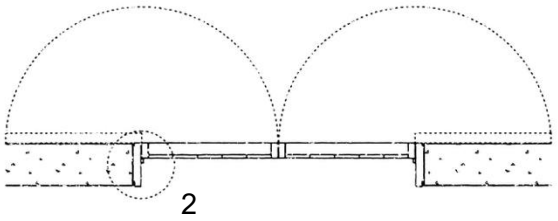


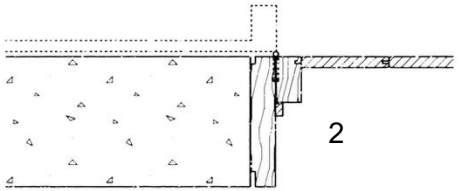










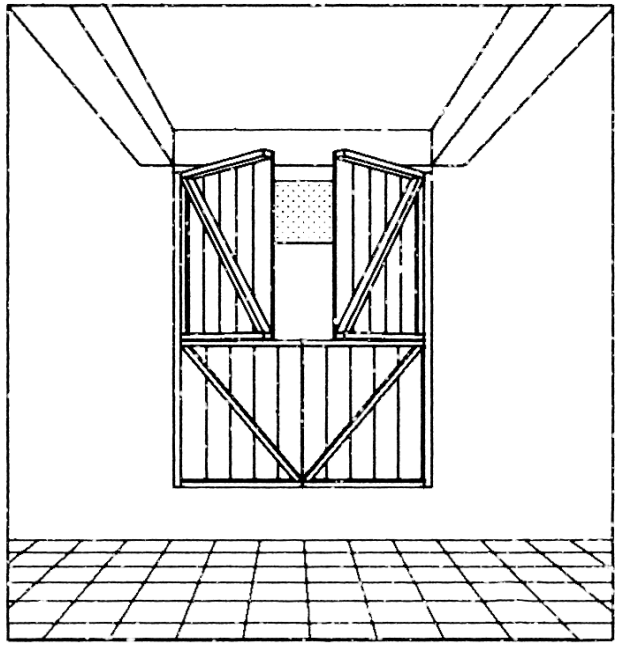


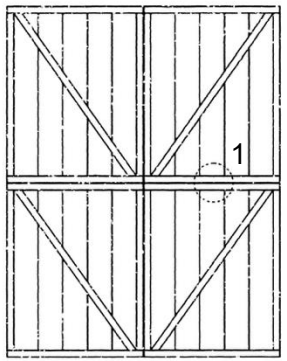
Community dwelling type

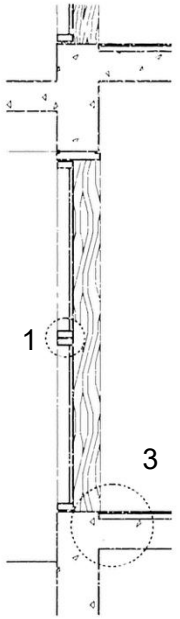
This dwelling type consists of a community-based housing where a series of 4 units share a collective roof garden. The type houses two stacked compact apartments designed as affordable housing.

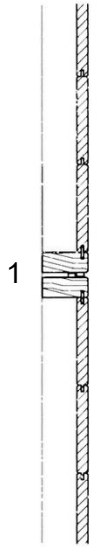
dimensions:
h: 2610 mm
d: 6500 mm
l: 6000 mm
area: 40 m^2

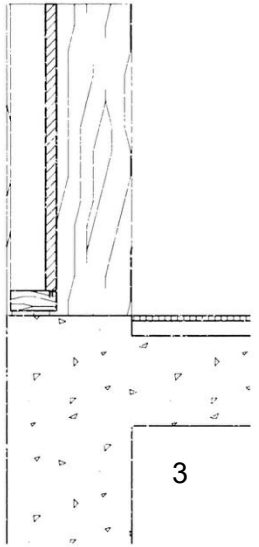
material:
exposed concrete

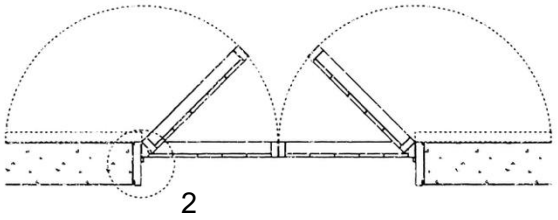


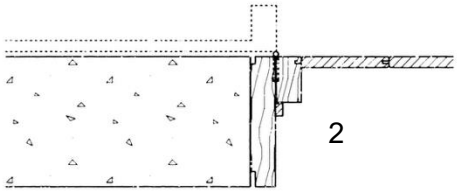












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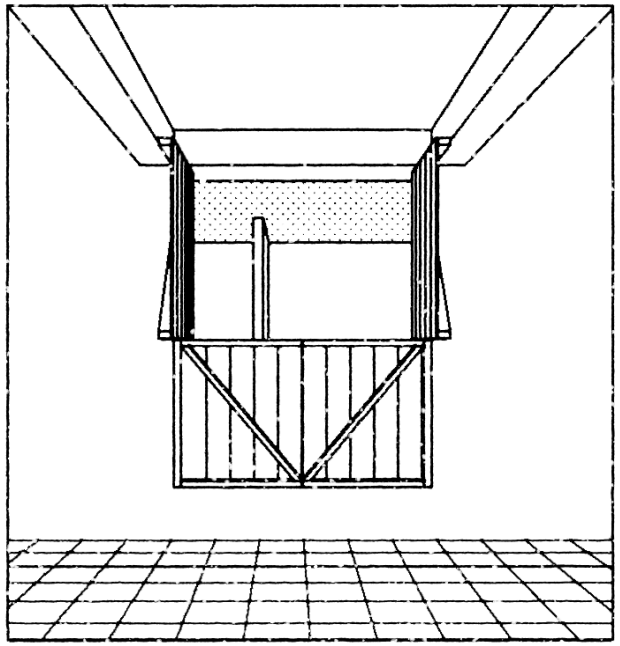
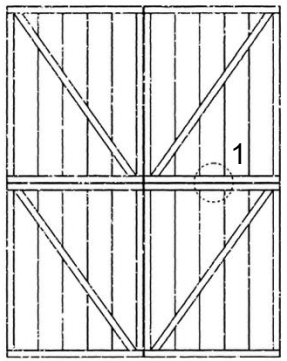
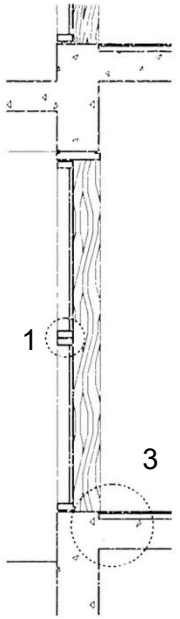
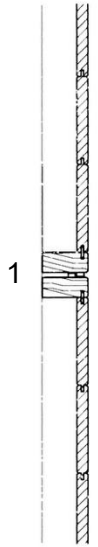
d: 6500 mm
l: 6000 mm
area: 40 m^2

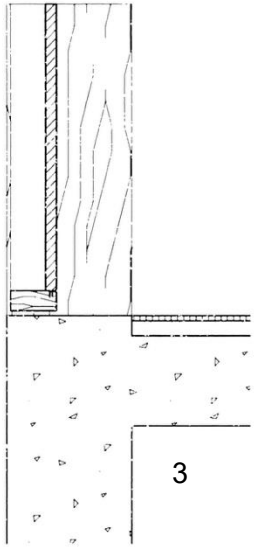
material:
exposed concrete

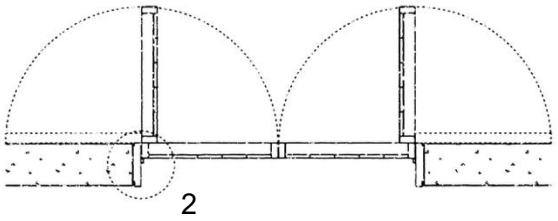


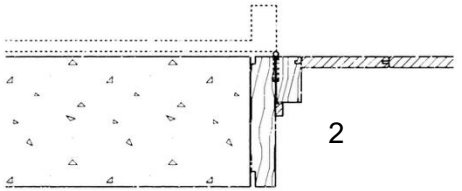










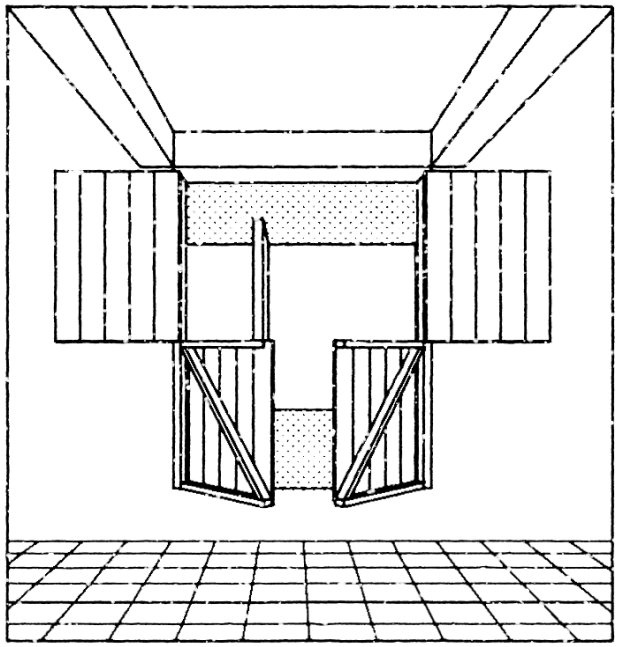


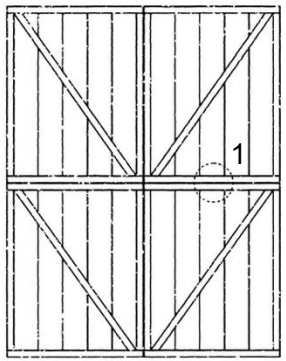
Community dwelling type

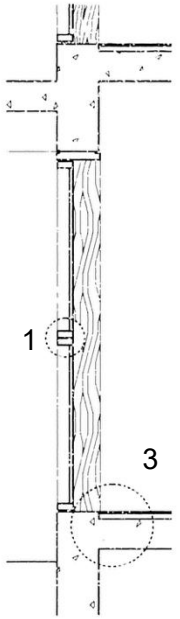
This dwelling type consists of a community-based housing where a series of 4 units share a collective roof garden. The type houses two stacked compact apartments designed as affordable housing.

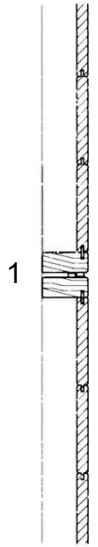
dimensions:
h: 2610 mm
d: 6500 mm
l: 6000 mm
area: 40 m^2

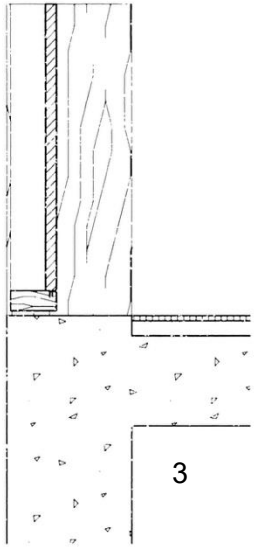
material:
exposed concrete

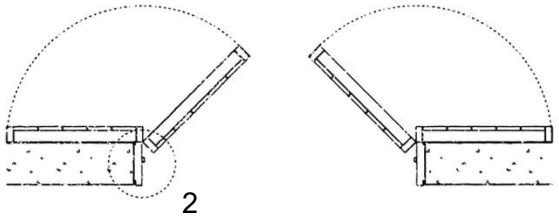


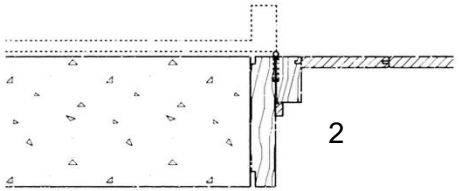










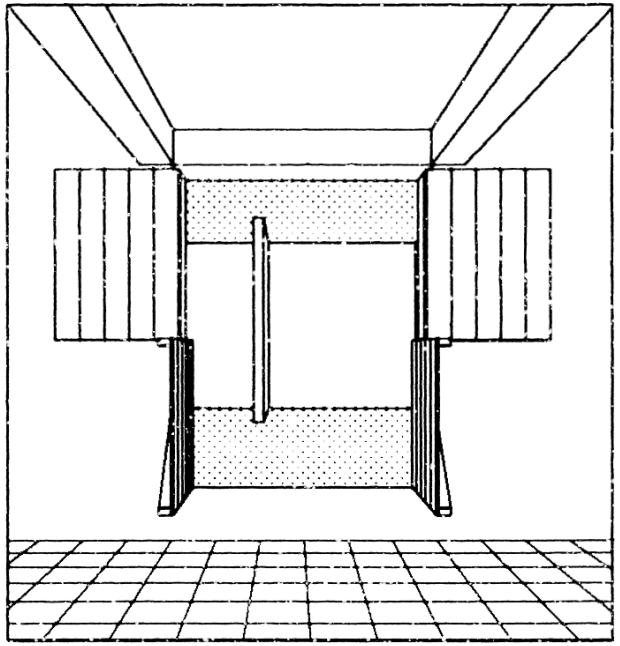


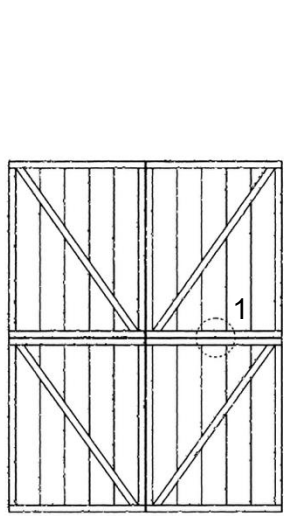
Community dwelling type

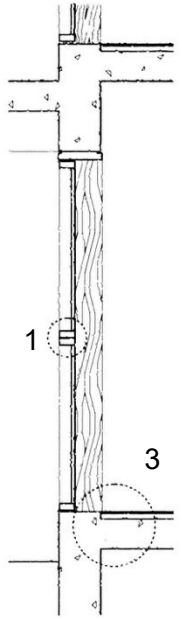
This dwelling type consists of a community-based housing where a series of 4 units share a collective roof garden. The type houses two stacked compact apartments designed as affordable housing.

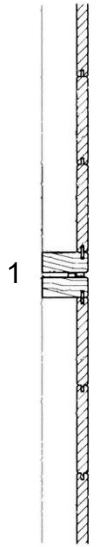
dimensions:
h: 2610 mm
d: 6500 mm
l: 6000 mm
area: 40 m^2

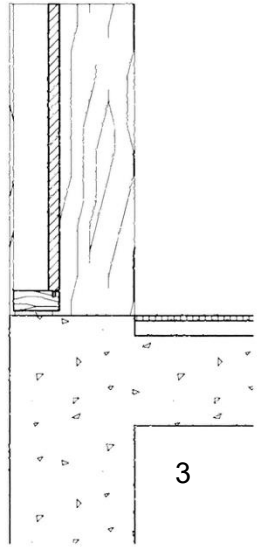
material:
exposed concrete

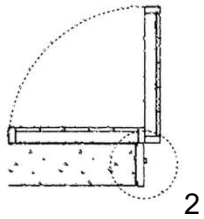


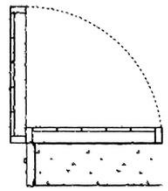


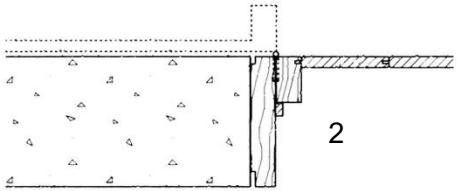












Community dwelling type

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dimensions:
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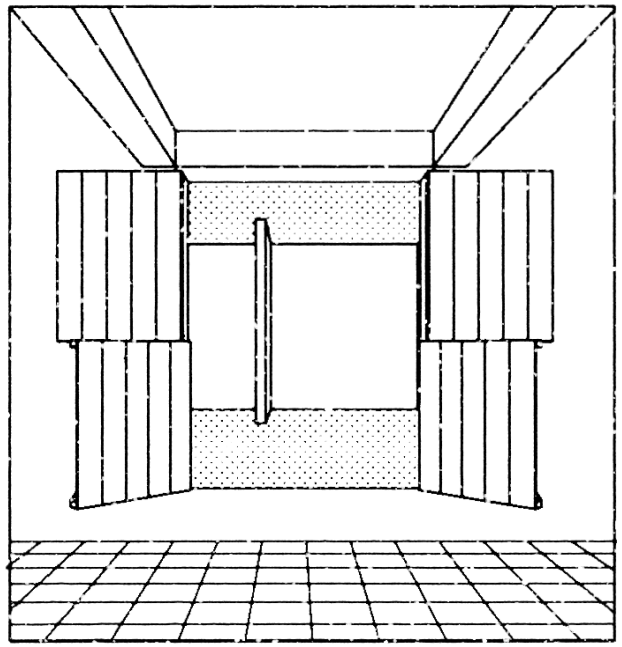
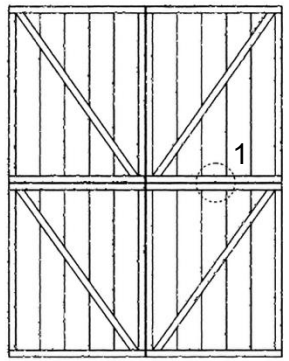
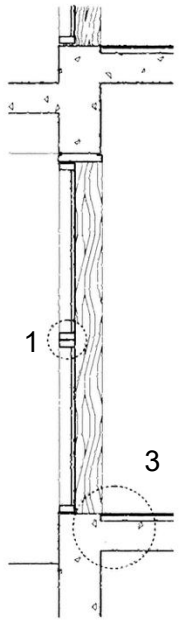
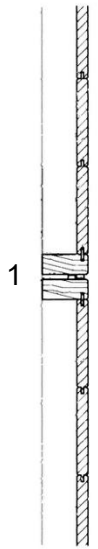
area: 40 m^2

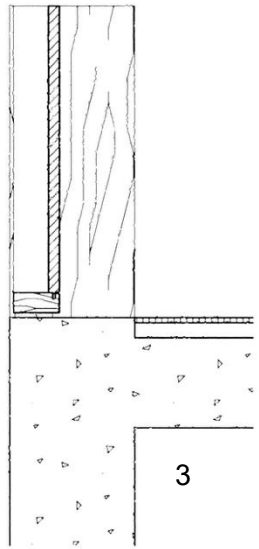
material:
exposed concrete

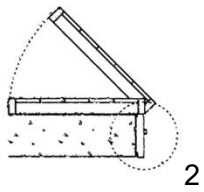


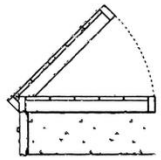


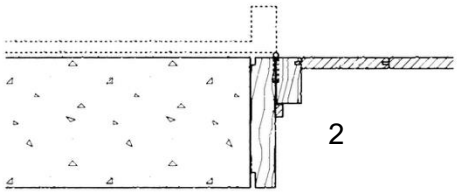










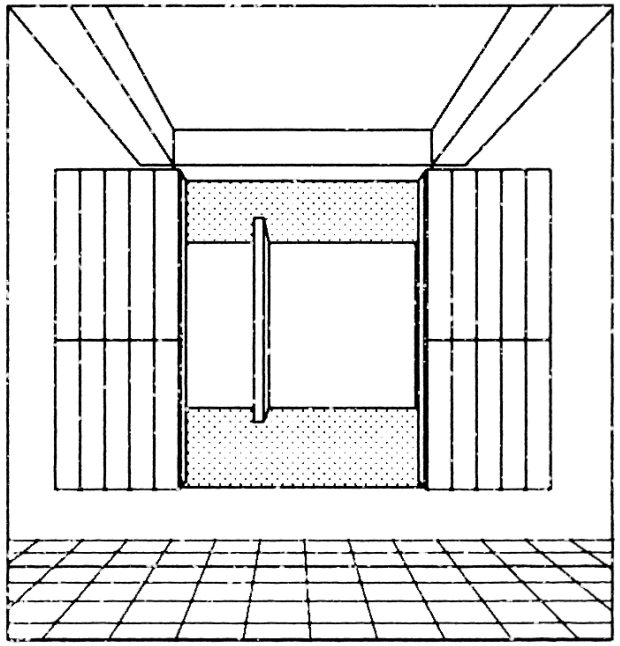


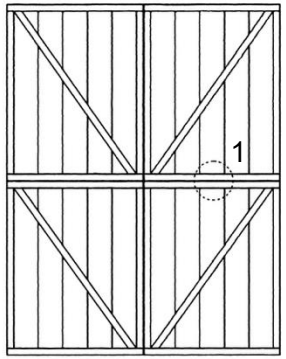
Community dwelling type

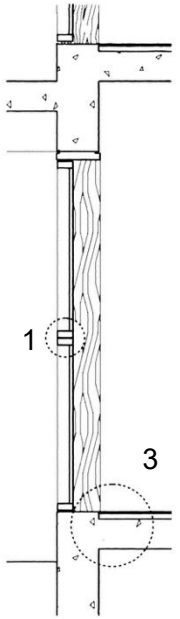
This dwelling type consists of a community-based housing where a series of 4 units share a collective roof garden. The type houses two stacked compact apartments designed as affordable housing.

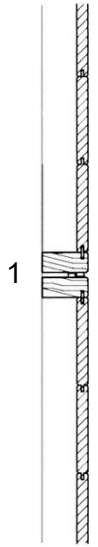
dimensions:
h: 2610 mm
d: 6500 mm
l: 6000 mm
area: 40 m^2

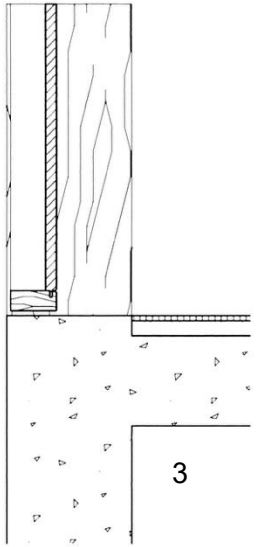
material:
exposed concrete

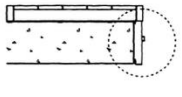


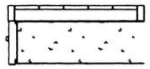


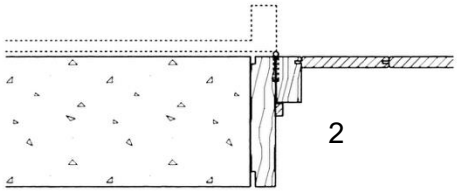










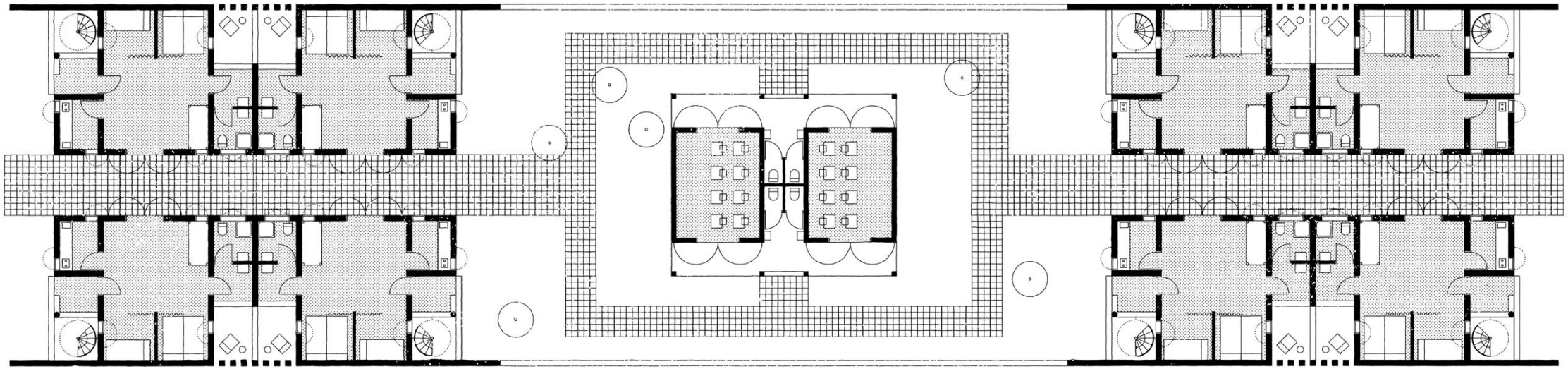


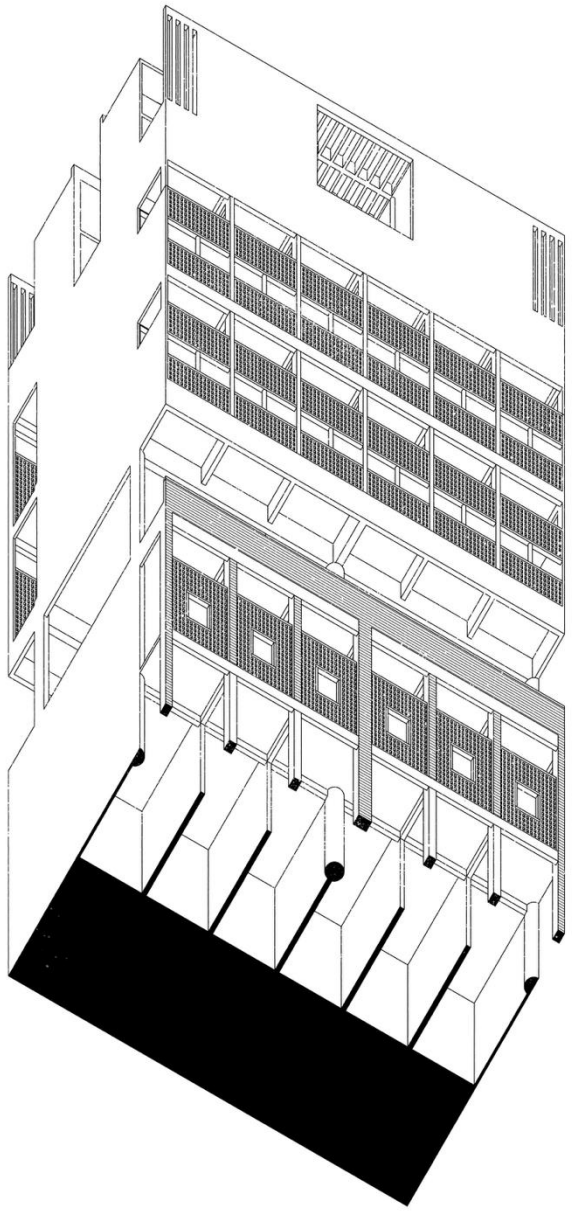
Community school type

To break the cycle of repetition and to support any public needs, a series of 4 units can be interchanged for a community-based building, such as a (primary) school.

dimensions:
h: 2610 mm
d: 6500 mm
l: 7000 mm
area: 42 m^2

material:
exposed concrete



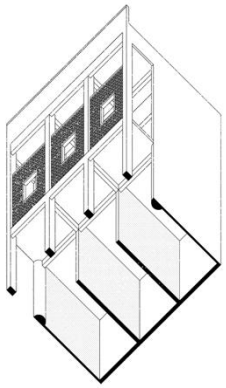


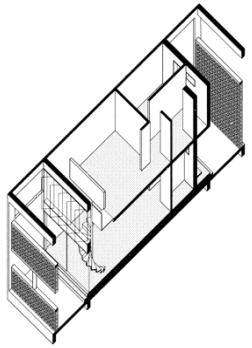
Final configuration

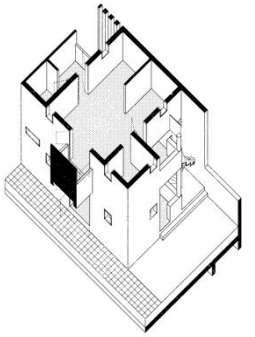
When connecting all the elements a framewok is created that can be repeated or configurated as needed.

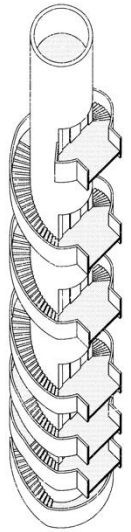
dimensions:
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

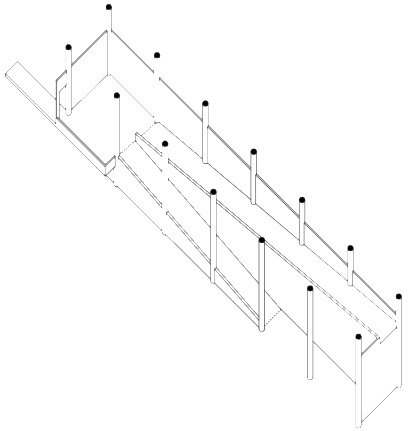
material:
exposed concrete,
brick









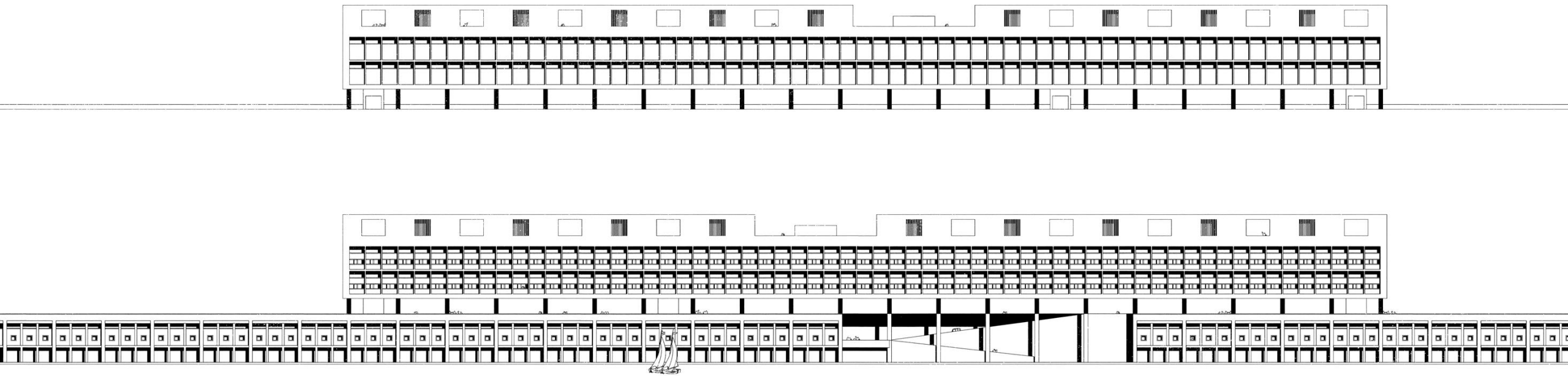


Final configuration

When connecting all the elements a framewok is created that can be repeated or configurated as needed.

dimensions:
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

material:
exposed concrete,
brick

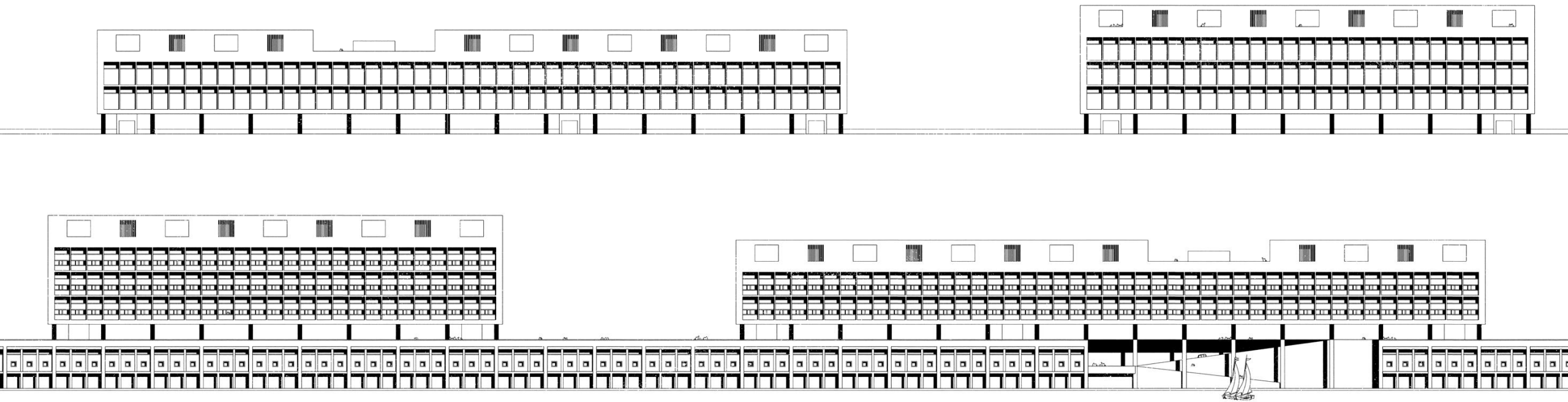


Final configuration

When connecting all the elements a framewok is created that can be repeated or configurated as needed.

dimensions:
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

material:
exposed concrete,
brick



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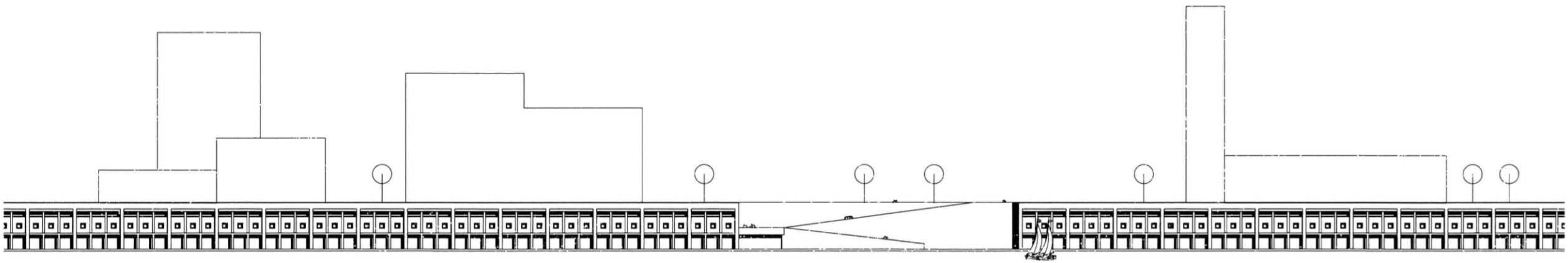
h: 47500 mm
d: 16400 mm
l: ∞ mm
area: ∞ m^2

material:
exposed concrete,
brick



re-Living the Riverfront

Enrico van den Berg
5245915

AR4GH010
Global Housing Studio

