

Spangen Quarter

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Overview

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Architect:

Michiel Brinkman

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Rotterdam, The Netherlands

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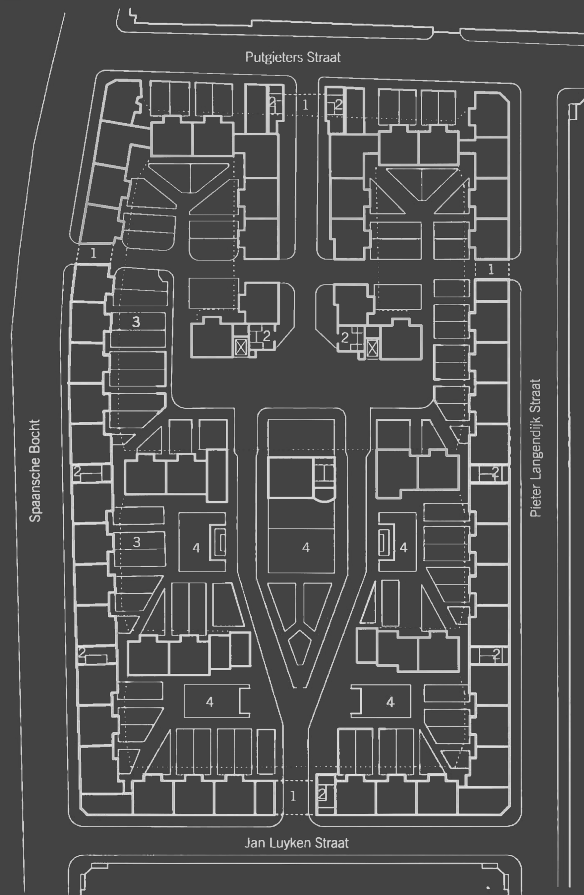
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Style:	Modern

Site Plan

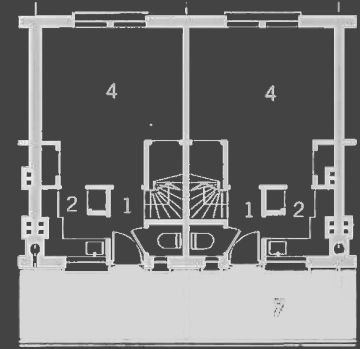
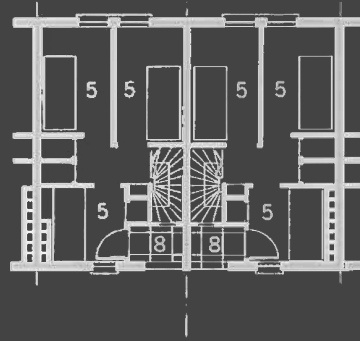
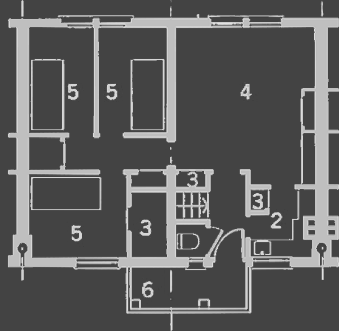


5

5 Ground-floor plan
1:1,000

- 1 Entrance to courtyard
- 2 Stairs to upper floors
- 3 Private gardens
- 4 Shared gardens and playgrounds

Floor Plans

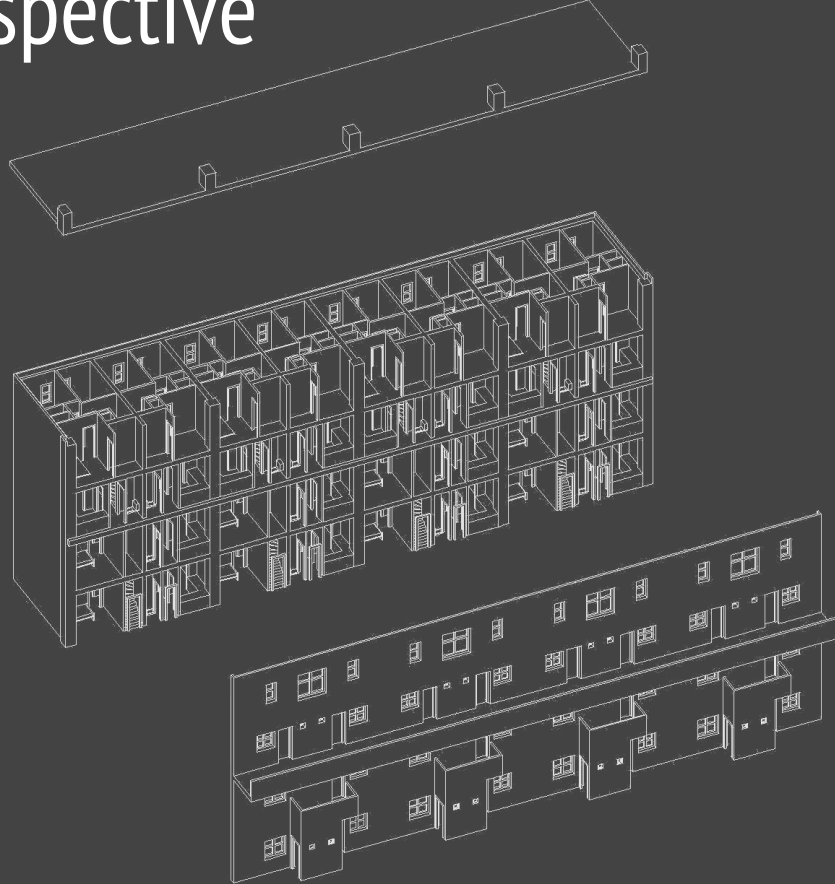


**Floor plans of typical
flats and maisonettes
1:200**

- 1 Third-floor plan
- 2 Second-floor plan
- 3 First-floor plan
- 4 Ground-floor plan

- 1 Entrance/hall
- 2 Kitchen
- 3 Storage
- 4 Living room
- 5 Bedroom
- 6 Balcony
- 7 Access balcony
- 8 Loggia

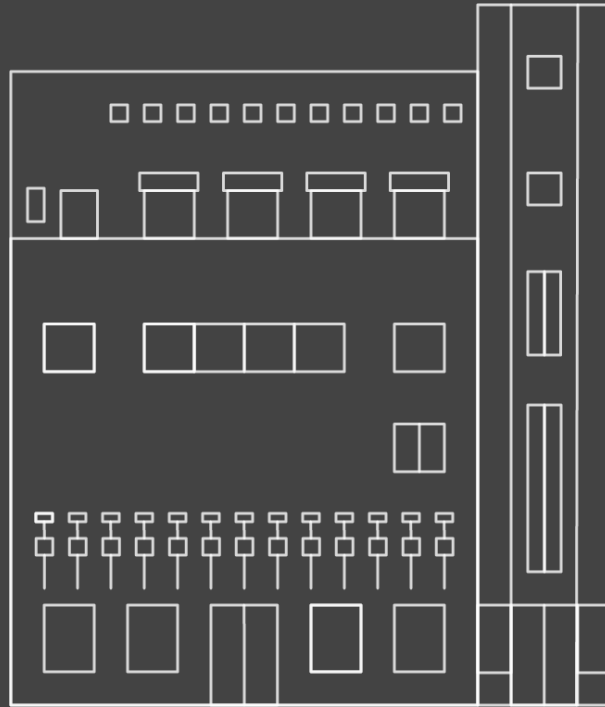
Exploded Perspective



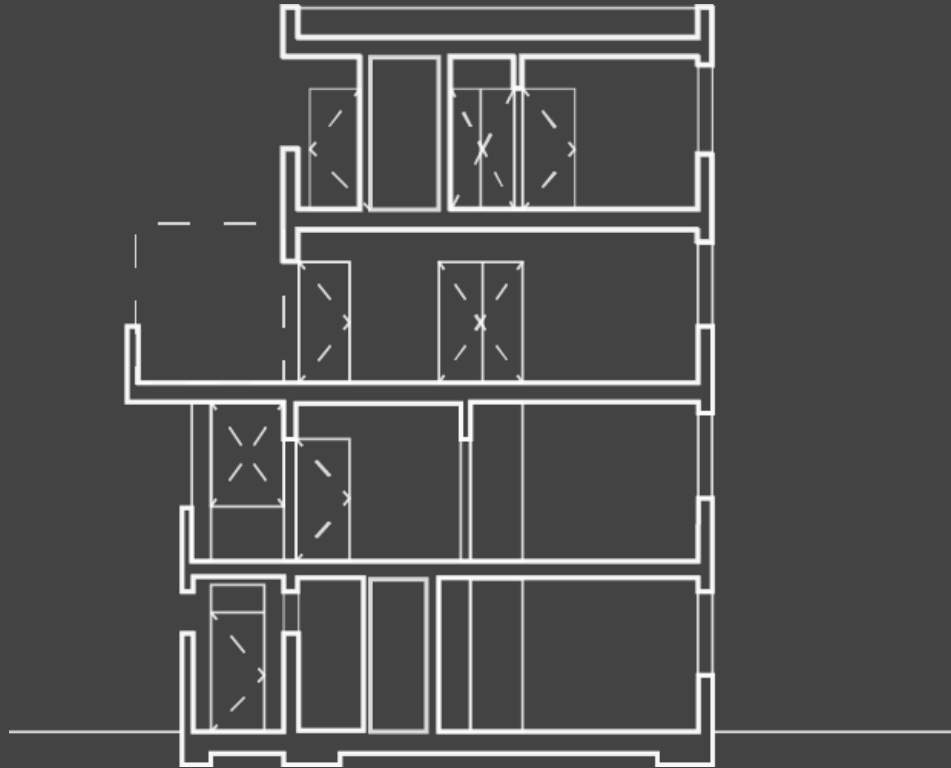
Elevations



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Sections



Socialist Government

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Followed the introduction of suffrage

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New Housing Department under the socialist government; run by August
Plane

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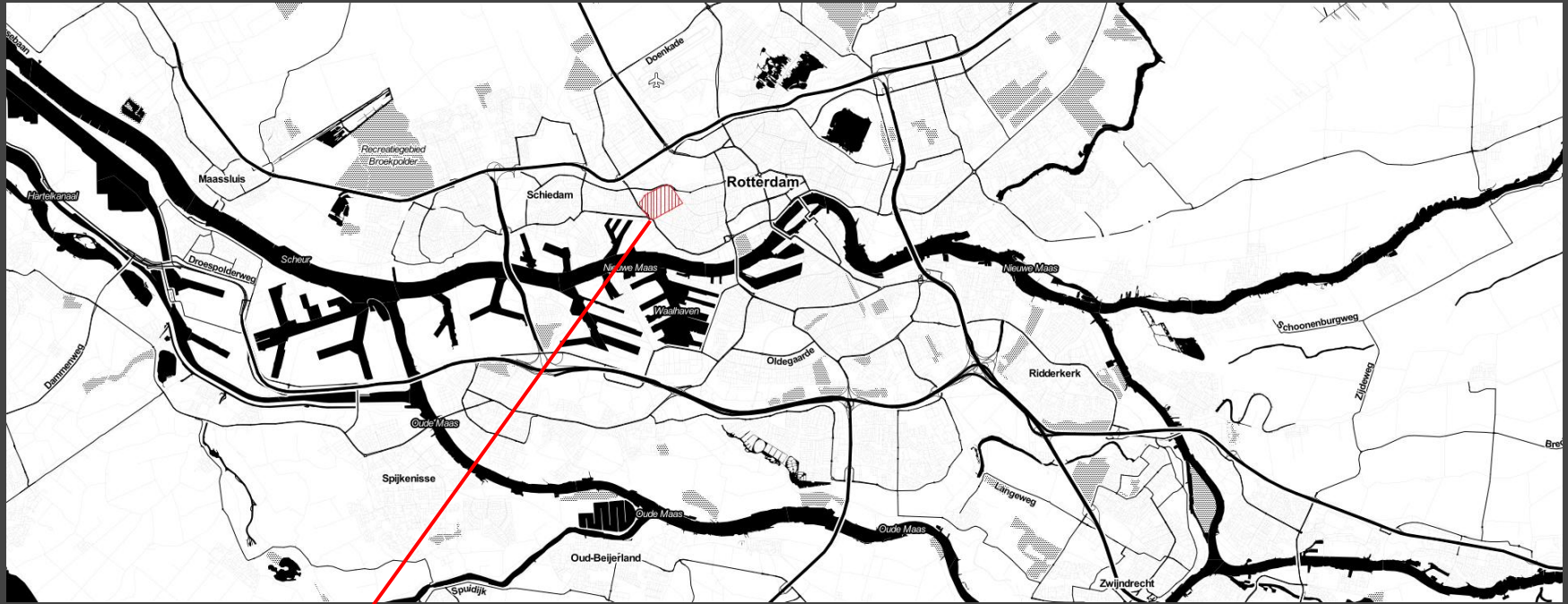
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Spangen Quarter- the first project developed under the new housing
department

Rotterdam

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Spangen Housing District

Rotterdam

Many socio-economically deprived neighbourhoods

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Historically poor area

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Many immigrants

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Spangen Quarter is on the northwest fringe of the city

The Residents

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Near a harbour; labour workers

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Presently a low cost residency

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Two blocks on the Spangen polder

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Residential four storey apartment complex

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Uniform blocks opposed to a picturesque urban landscape

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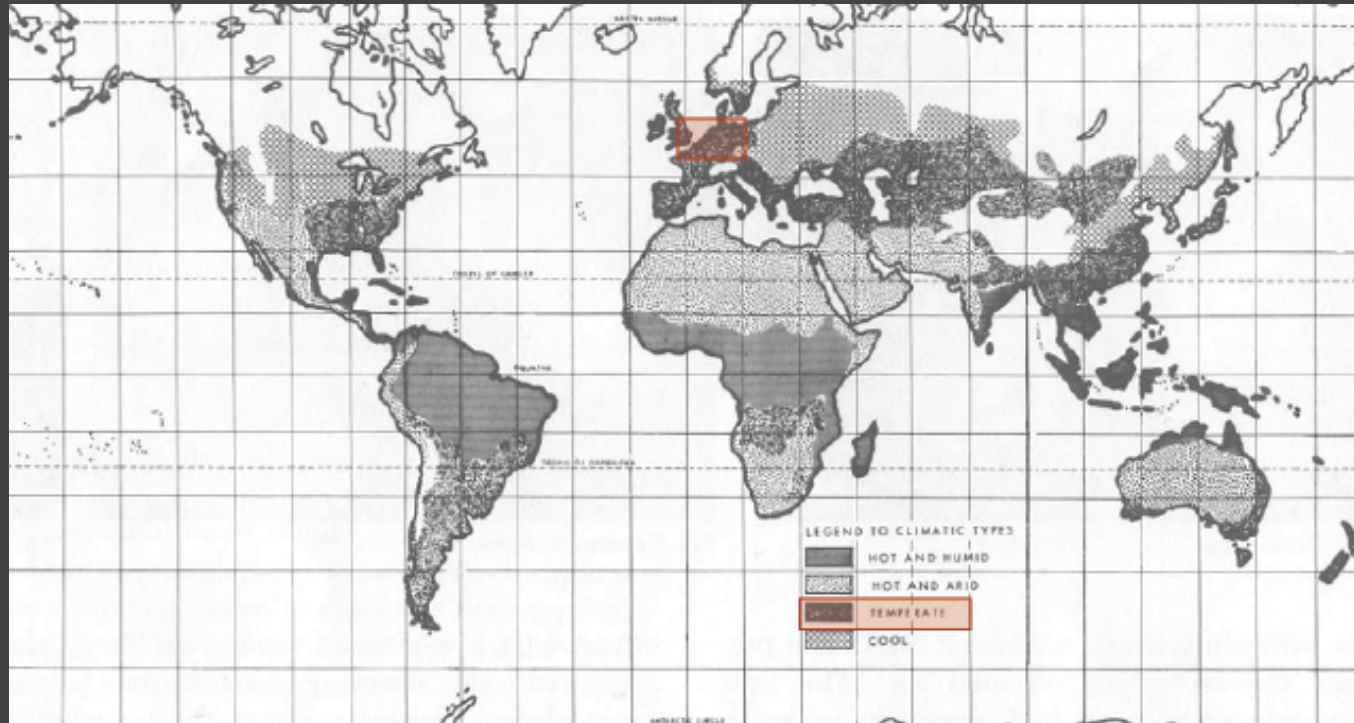
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Access to upper units granted by the shared gallery space on the third floor

Climate Zone

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Lighting and Solar Access

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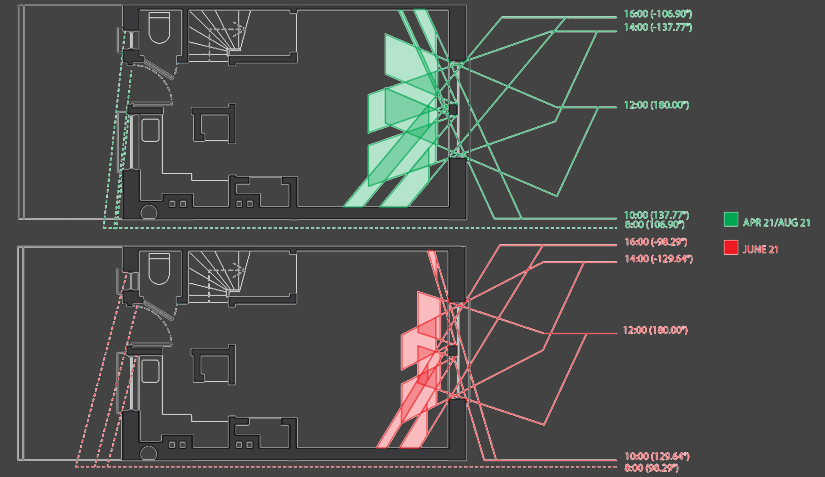
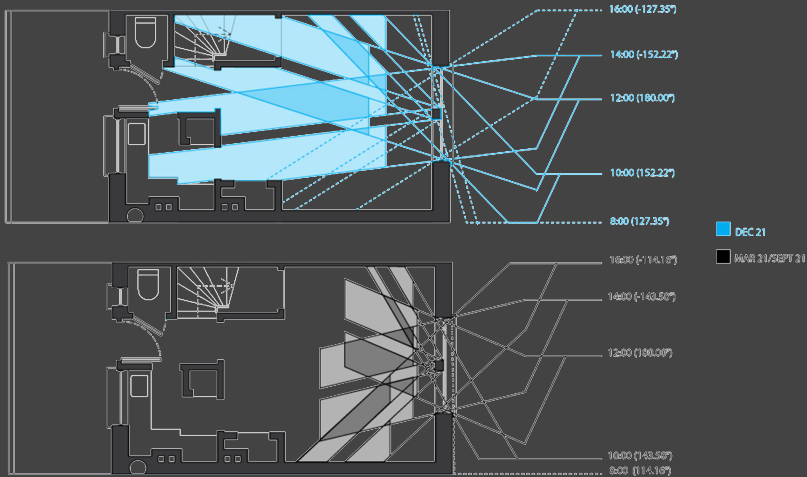
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Direct sunlight into south facing walls created through sufficient spacing between each row of units

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The courtyards promote air flow between the unit blocks

Solar Shading

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Use of concrete and masonry creates an excellent thermal mass for the building

Privacy

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Dense configurations of perimeter enclosure with vault entries

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Central shared bathhouse

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Back of building turned to street creating the sense of a miniature city within the complex

Community Spaces

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Central bath house

The enclosed community space allows children to have outdoor activities under neighbour's surveillance

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The low quality window frames also caused the appearance of the building to look shabby

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The original aesthetics and integration of private and common spaces remains untouched thus strengthening the heritage of Dutch architecture

Bibliography

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