

Atlas of Details



Le Corbusier. Immeuble Clarté 1930-1932

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URL: <https://www.detailsinsection.org/archives/projects/immeuble-clarte>

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Atlas of Details is a research project to demonstrate how insightful a section can be, in order to represent the complexity of the architectural artifact, since it allows the simultaneous perception of materiality and form, of building envelope and interior spaces. Atlas of Details is a project by The Formwork, an association established by professors and PhD candidates with diverse academic backgrounds (history, architectural design, technology, preservation) working at the IUAV University in Venice and at the Milan Politecnico. For more information about the Atlas of Details and The Formwork, please contact info@theformwork.org.

The Formwork

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Le Corbusier

Immeuble Clarté

1930-1932

Text

Elena Zilli
IUAV Venezia

Drawings

Elena Zilli
IUAV Venezia

Architect

Le Corbusier (1887-1965) and Pierre Jeanneret (1896-1967)

Name of the building

Immeuble Clarté

Site

2-4 Saint-Laurent Street, Geneva, Switzerland

Client

Edmond Wanner (1898-1965)

Contractors

Edmond Wanner (1898-1965)

Engineer

Robert Maillart (1872-1940);
John Torcapel (1881-1965)

Other actors

Francis Quétant (E.Wanner's employee);
Charlotte Perriand (French designer and interior architect)

Building permit

1930 signing of the building permit;
1931 building permits issued

Start of construction works

1931

Project variations

1975-1977 first building restoration;
2007-2011 second building restoration;

End of construction works

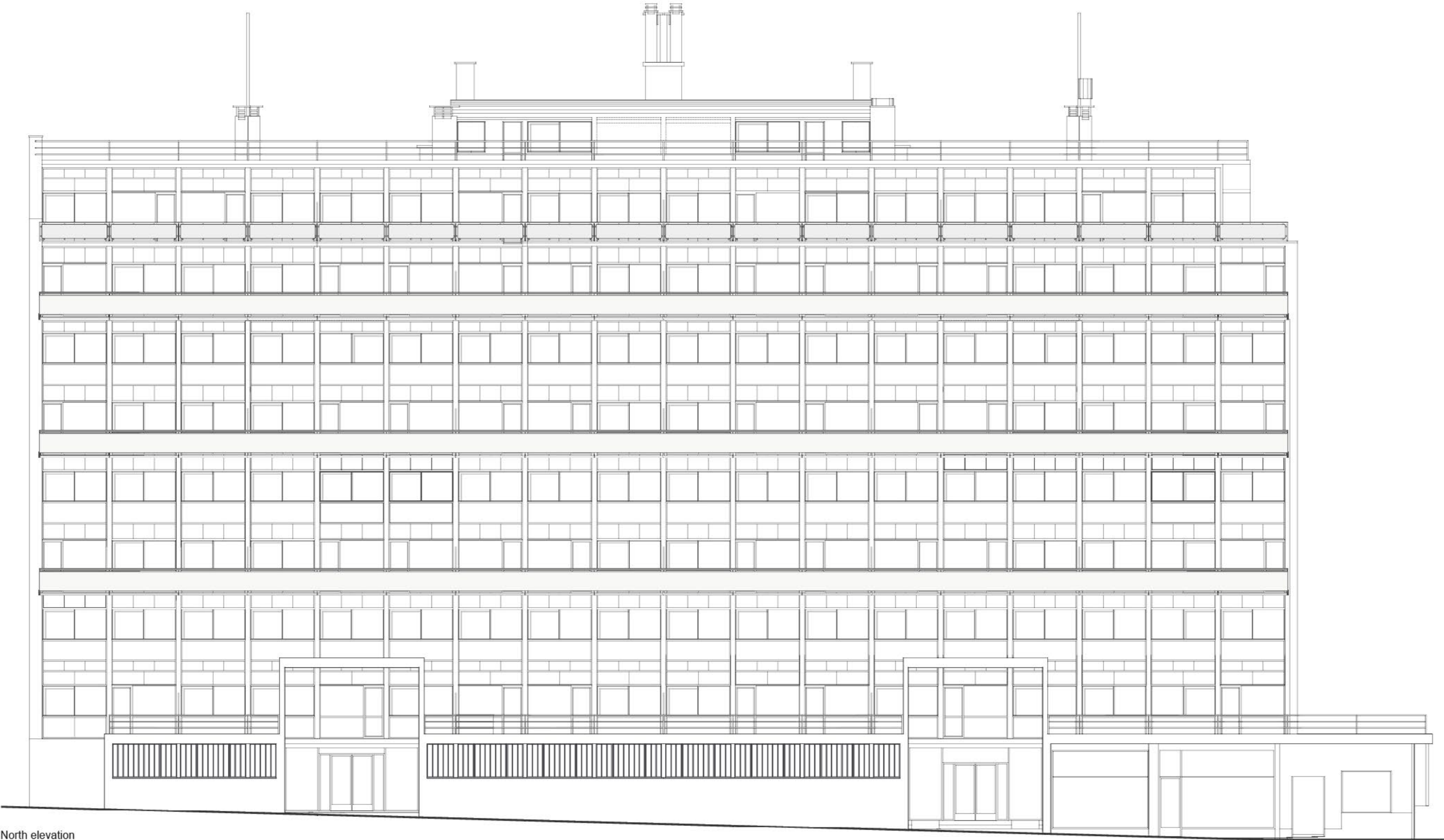
1932

Prizes

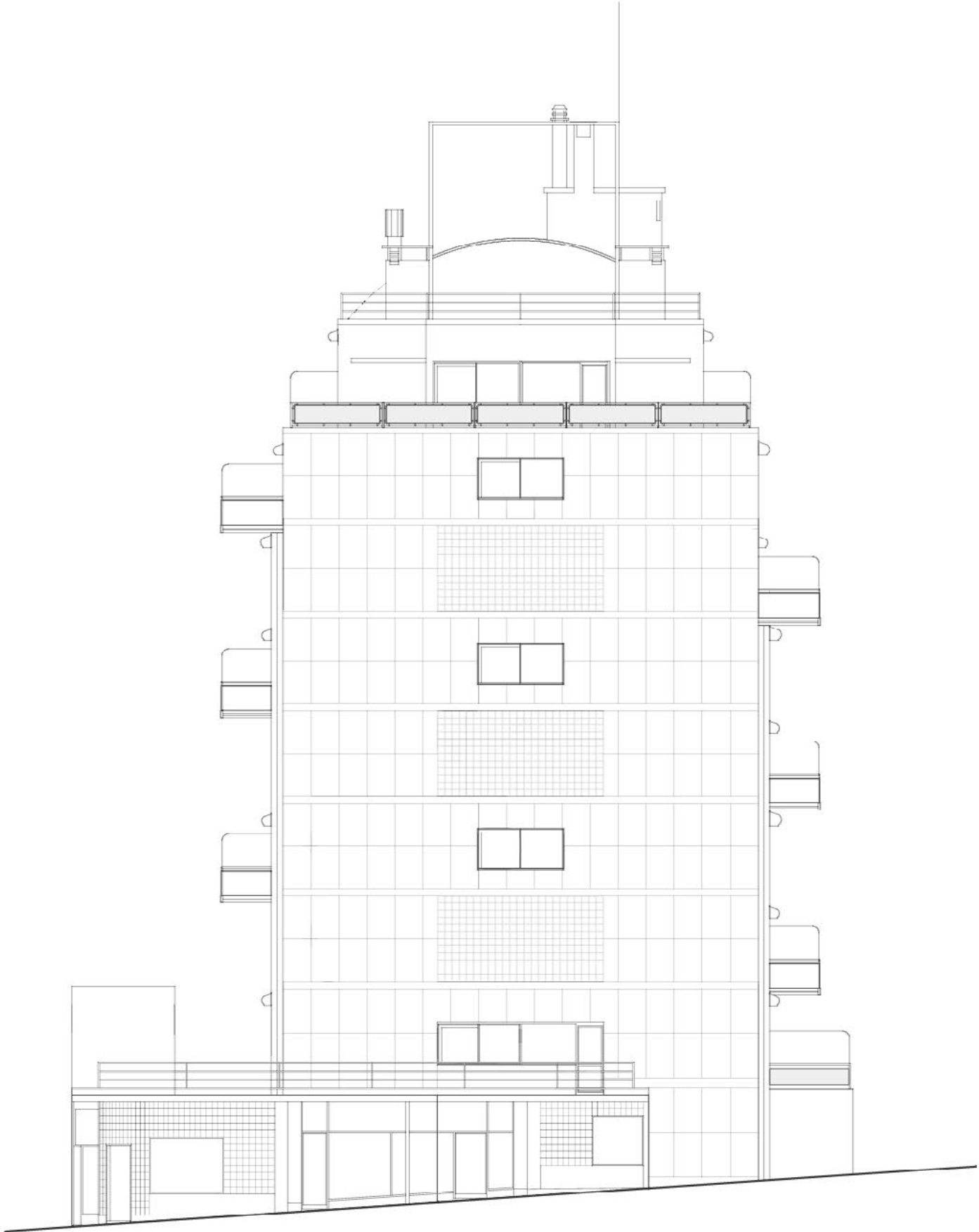
UNESCO World Heritage list in 2016

Construction system

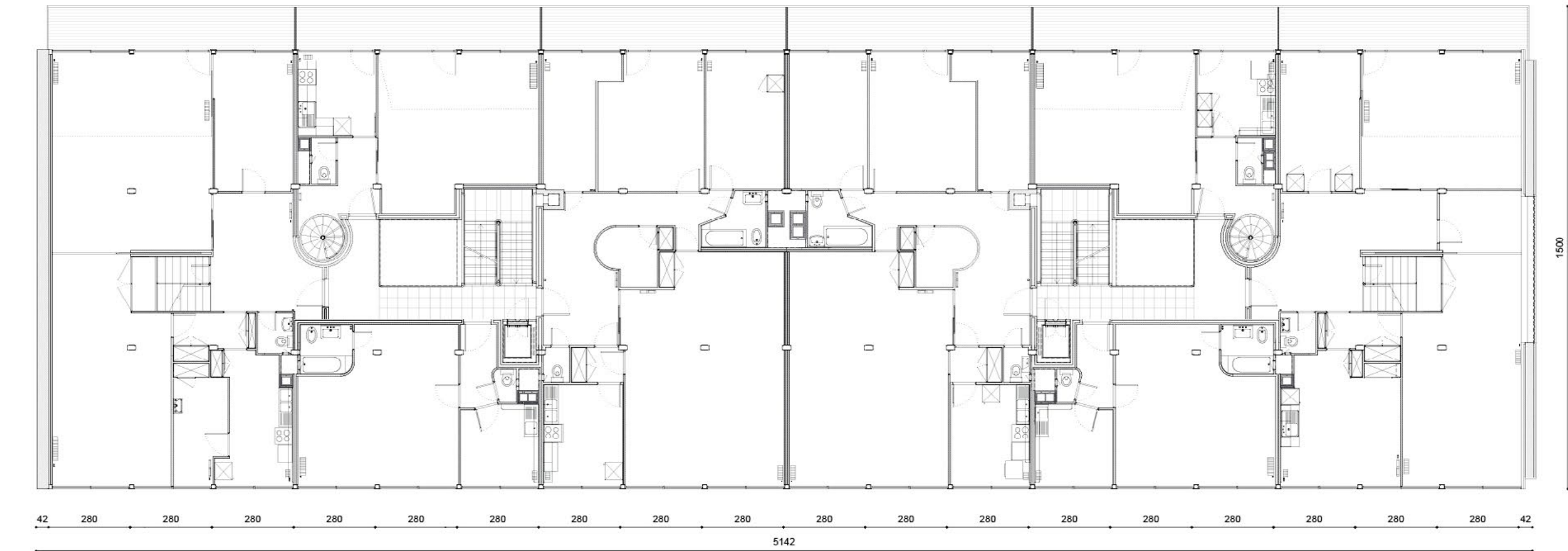
Modular system with steel structural elements



North elevation
Scale 1:150

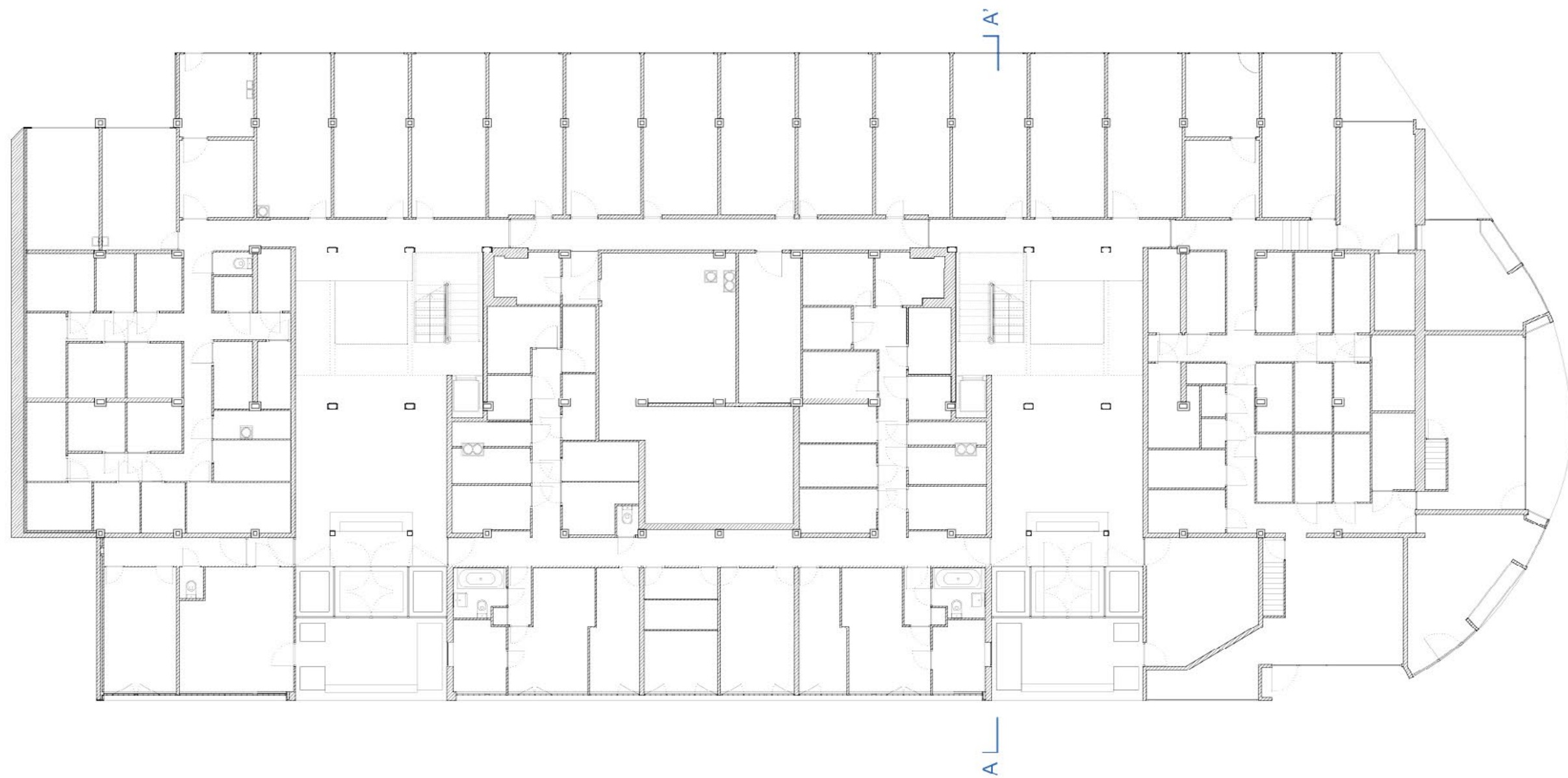


West elevation
Scale 1:150

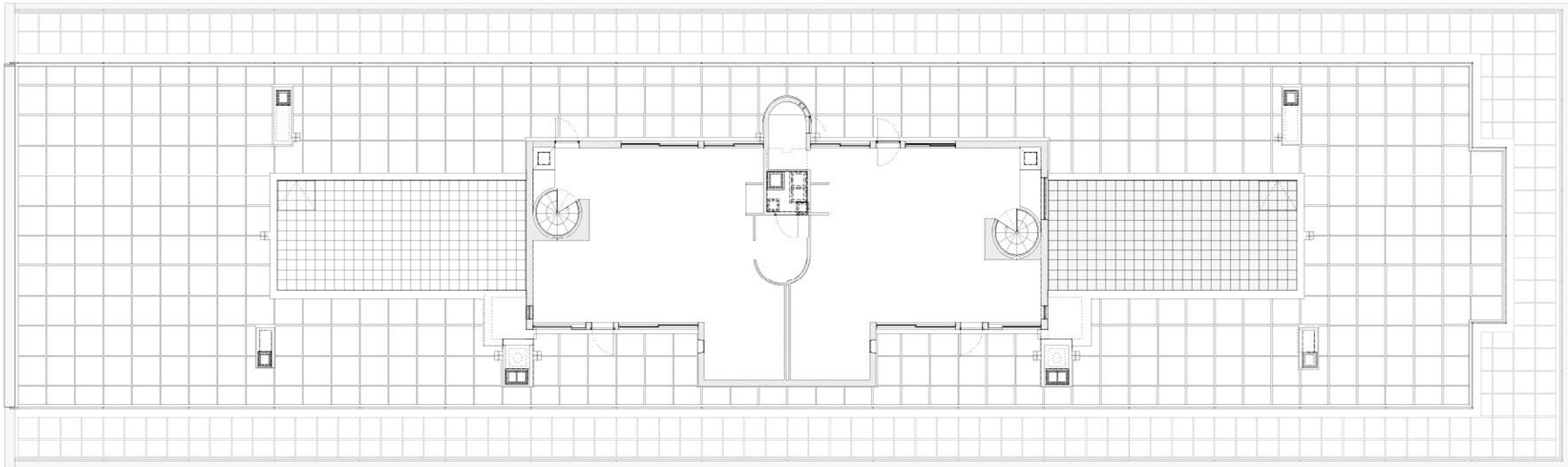


Typical floor plan
Scale 1:150

0 1 5 m

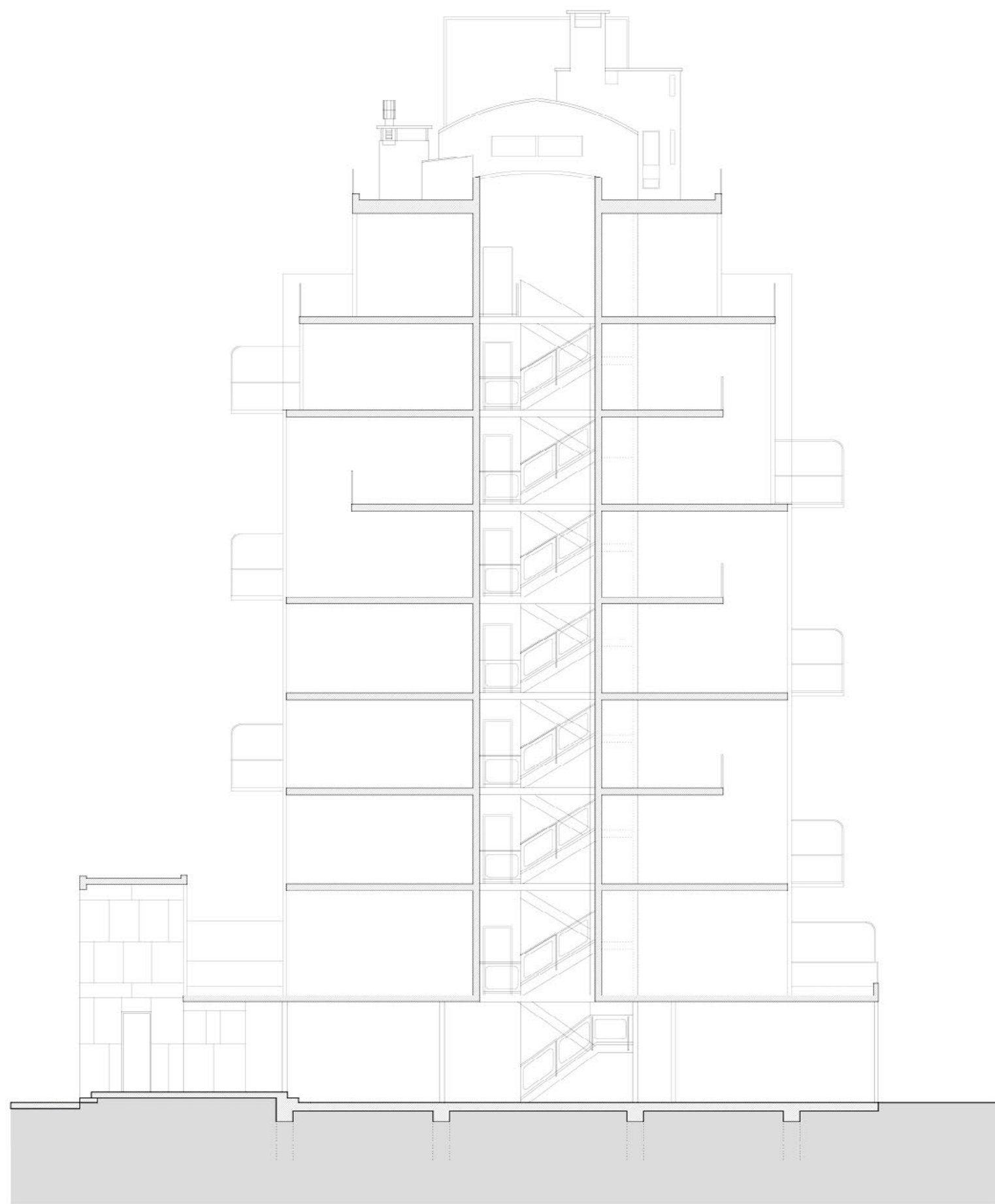
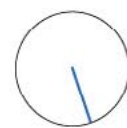


Ground floor plan
Scale 1:150

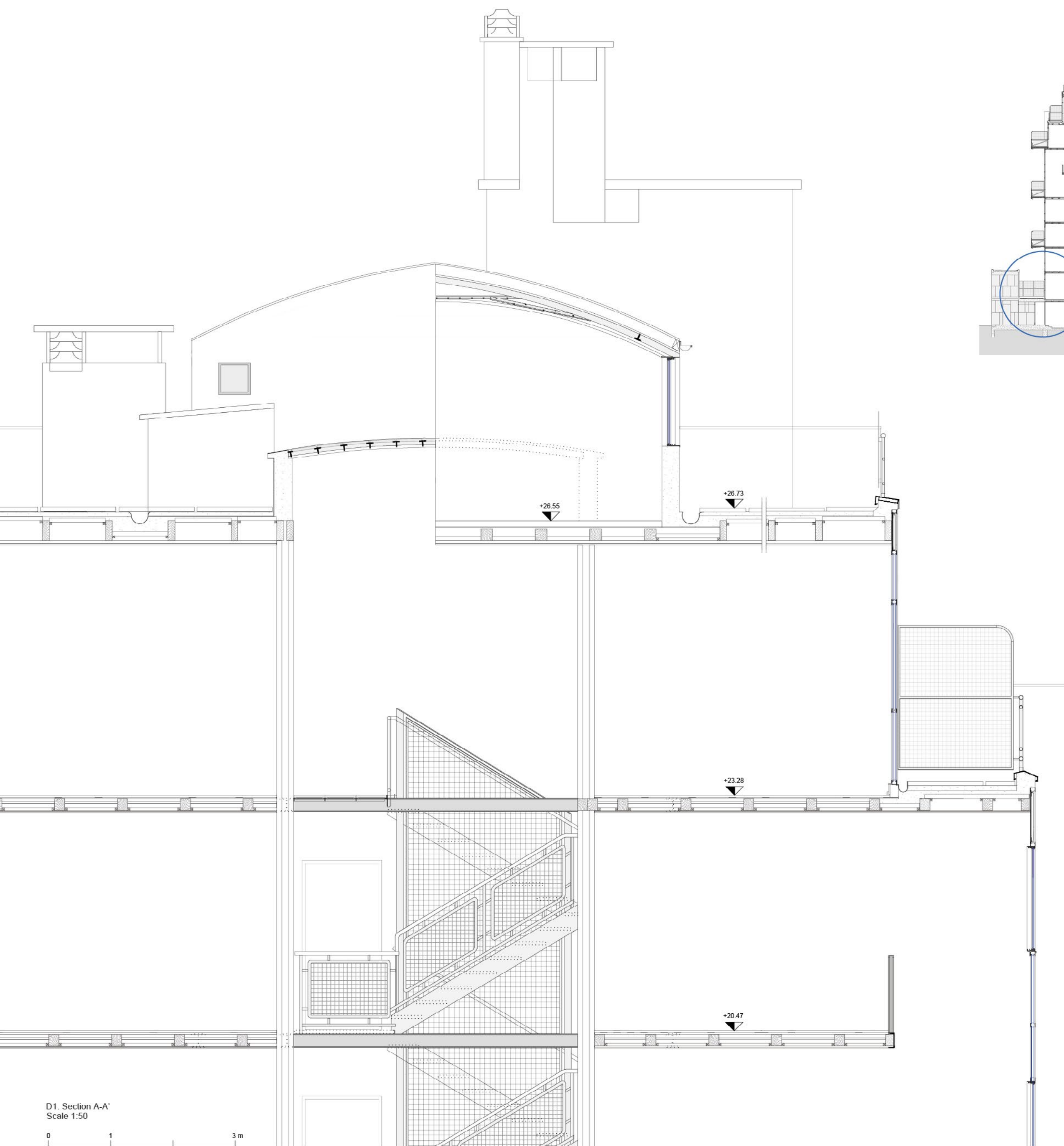


9th Floor plan, *Le Wagon*
Scale 1:150

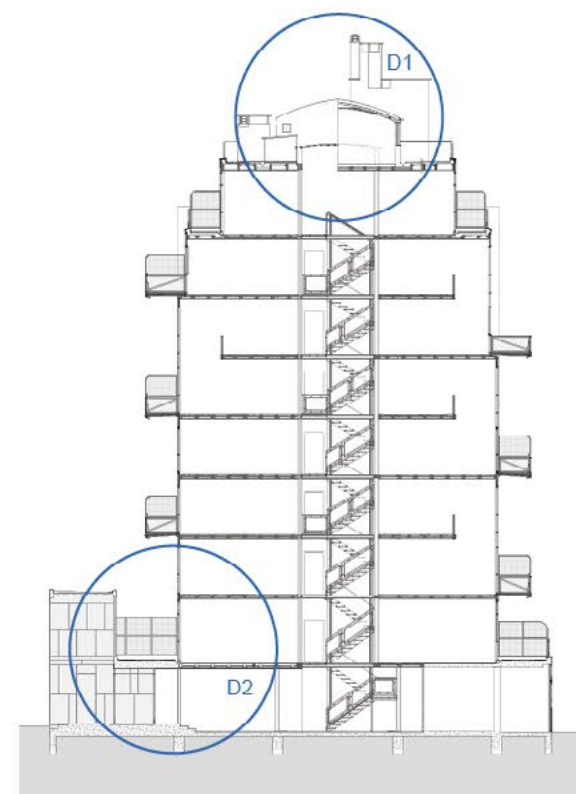
0 1 5 m



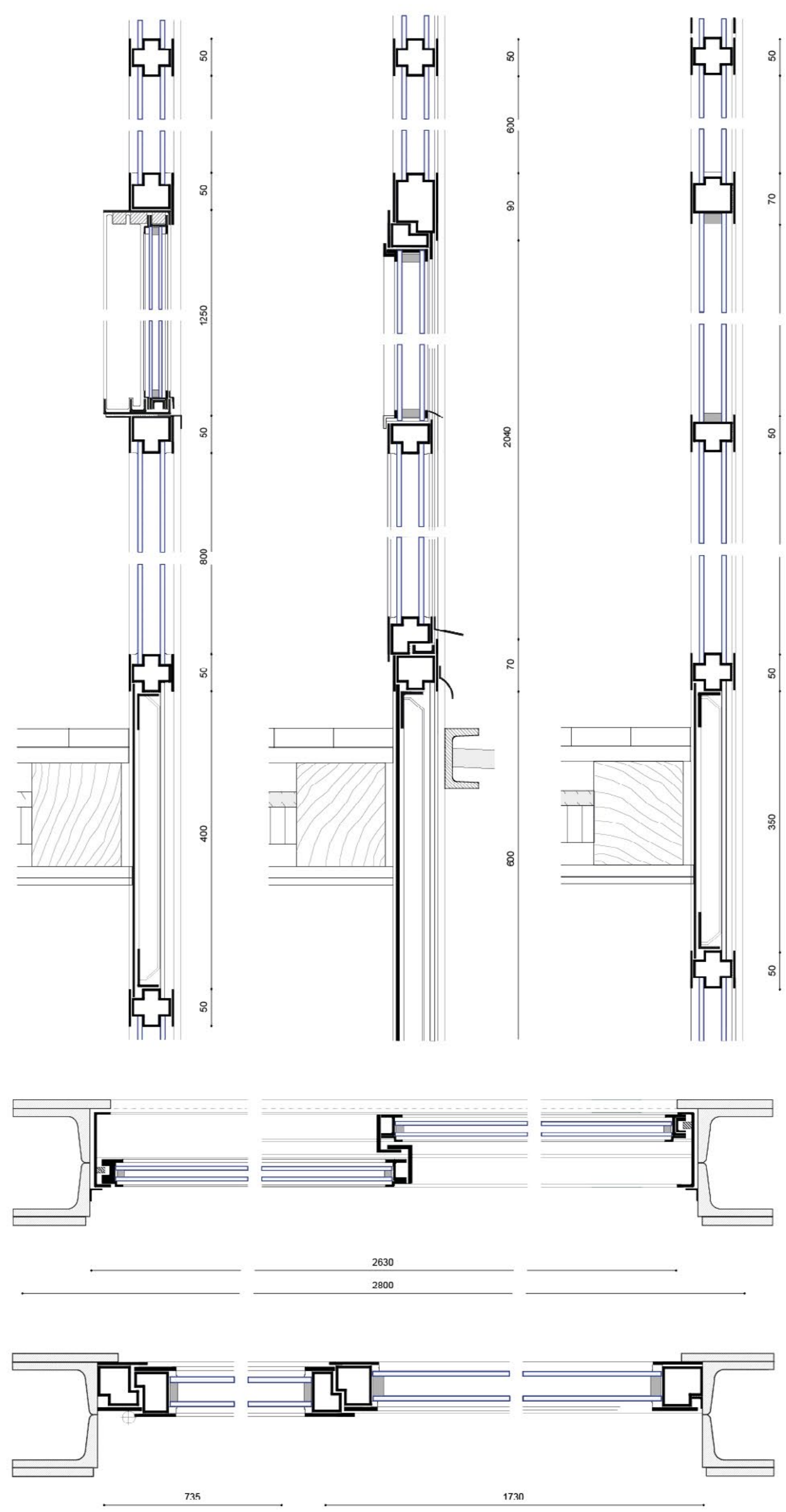
Section A-A'
Scale 1:150

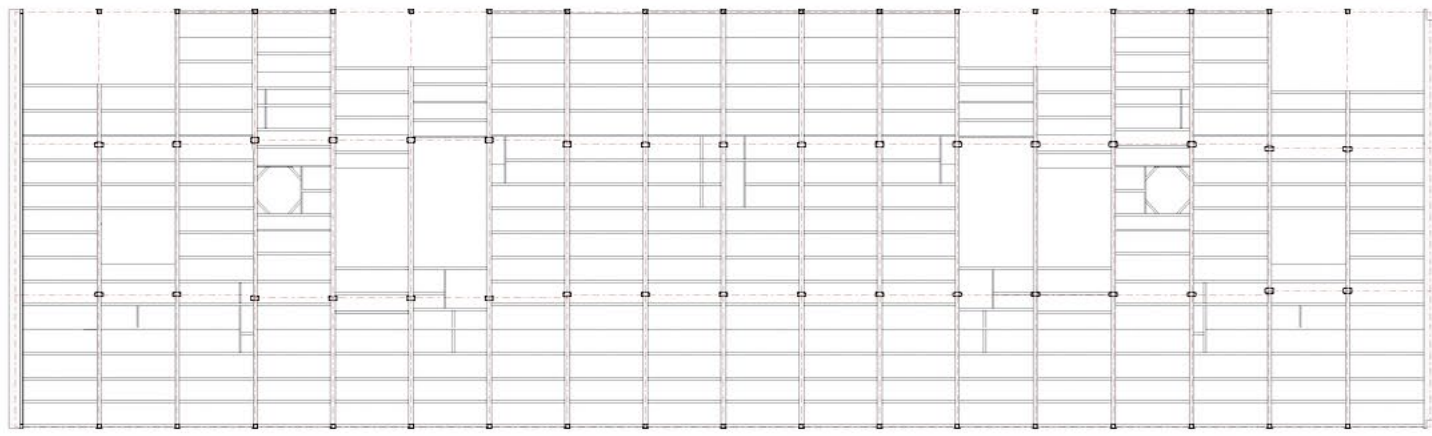


D1. Section A-A'
Scale 1:50



D2. Details of the windows in section and plan
Scale 1:5

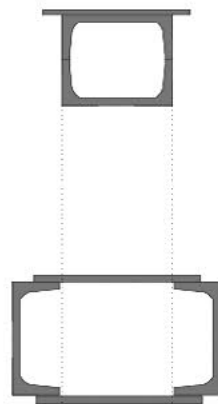




Structural plan

Scale 1:200

0 2 10 m



Types of pillars

Scale 1:10

0 10 50 cm

Slab
Oak parquet
Laths
Membrane
Screed
AKI insulation
Solomite ceiling on slats and joists

Metal structure
Horizontal beam HEB 160
Secondary warp wooden beams 10x12
Vertical structure box pillars
16x16 e 30x16

Axonomy structure span 8

Scale 1:20

0 20 100 cm

