

# ROW HOUSES

VIENNA, WERKBUND EXPOSITION • ANDRÉ LURÇAT

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HOUSE NOS. 25, 26, 27 & 28

# WERKBUND EXPOSITION 1932

- The Vienna Werkbund was an international exposition of modern residential building and a manifesto of “modern” living.
- It brought together a second generation of International Style architects as well as the older members of the Vienna School.
- Many international architects participated in the project including **Andre Lurcat**, who contributed [houses nos. 25–28](#), and also furnished [house no. 25](#).
- Ambition: Create the complex of residences as a social and aesthetic utopia of a better life in the spirit of modernity

# WERKBUND EXPOSITION 1932

- It consisted of twenty-seven separate buildings scattered on a flat, triangular site and contained a total of seventy different dwellings of varying design and size.
- Although the architects and designs varied each had a 200 m<sup>2</sup> garden, 30 different types of houses offered a small footprint with maximum comfort, the living area varied from 57 to 126 m<sup>2</sup>
- All the houses were colorfully painted, had a flat roof terraces and some had balconies. The living rooms oriented onto the garden.

# ANDRÉ LURCAT

- André Lurçat (1894–1970) studied architecture at the École Nationale Supérieure des Beaux-Arts in Paris from 1913 to 1923
- He was an industrial designer, architect and founding member of the International Congresses of Modern Architecture
- Lurçat was one of the primary representatives of functionalist architecture in inter-war France.

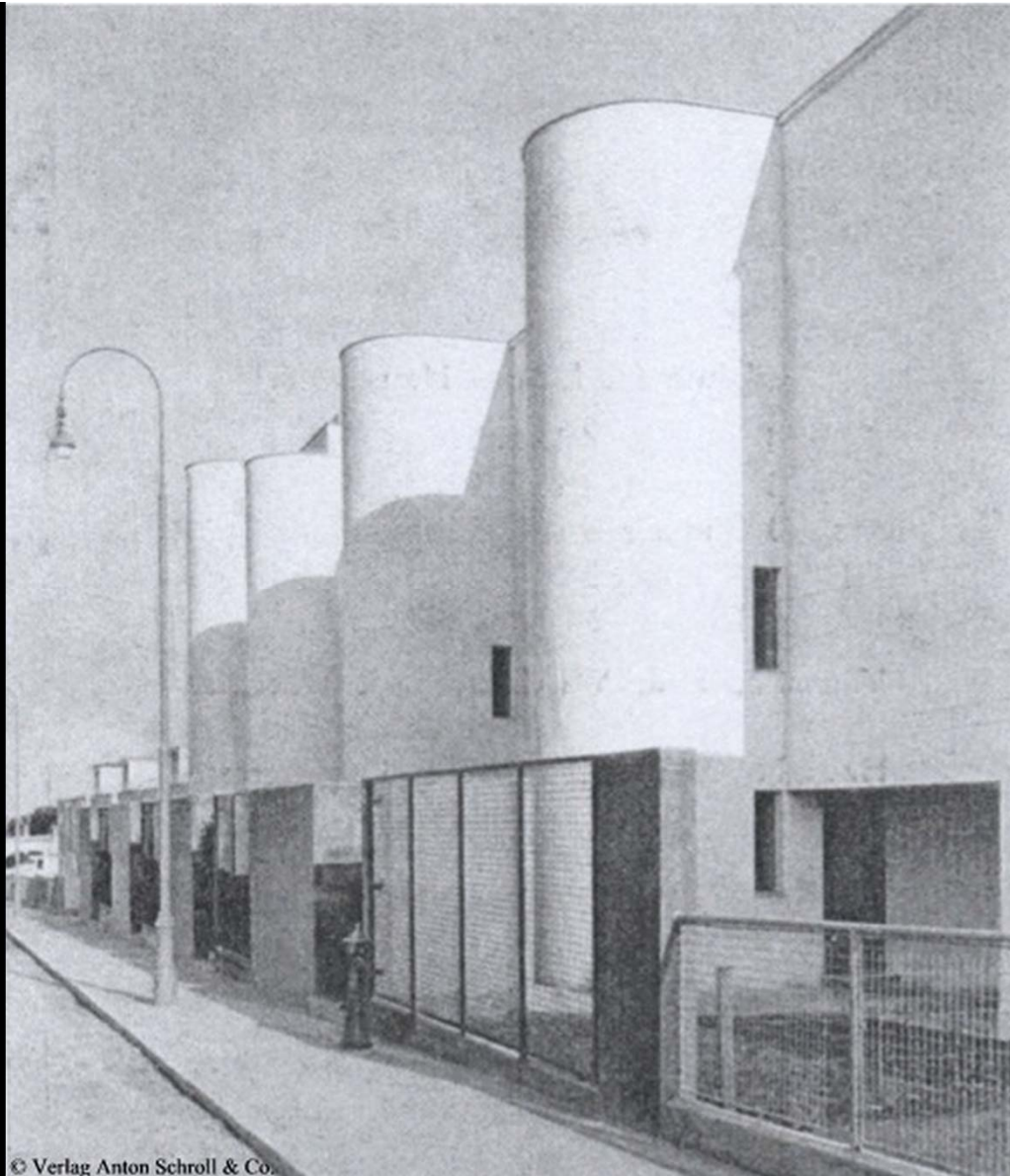
# ROW HOUSES 25 - 28

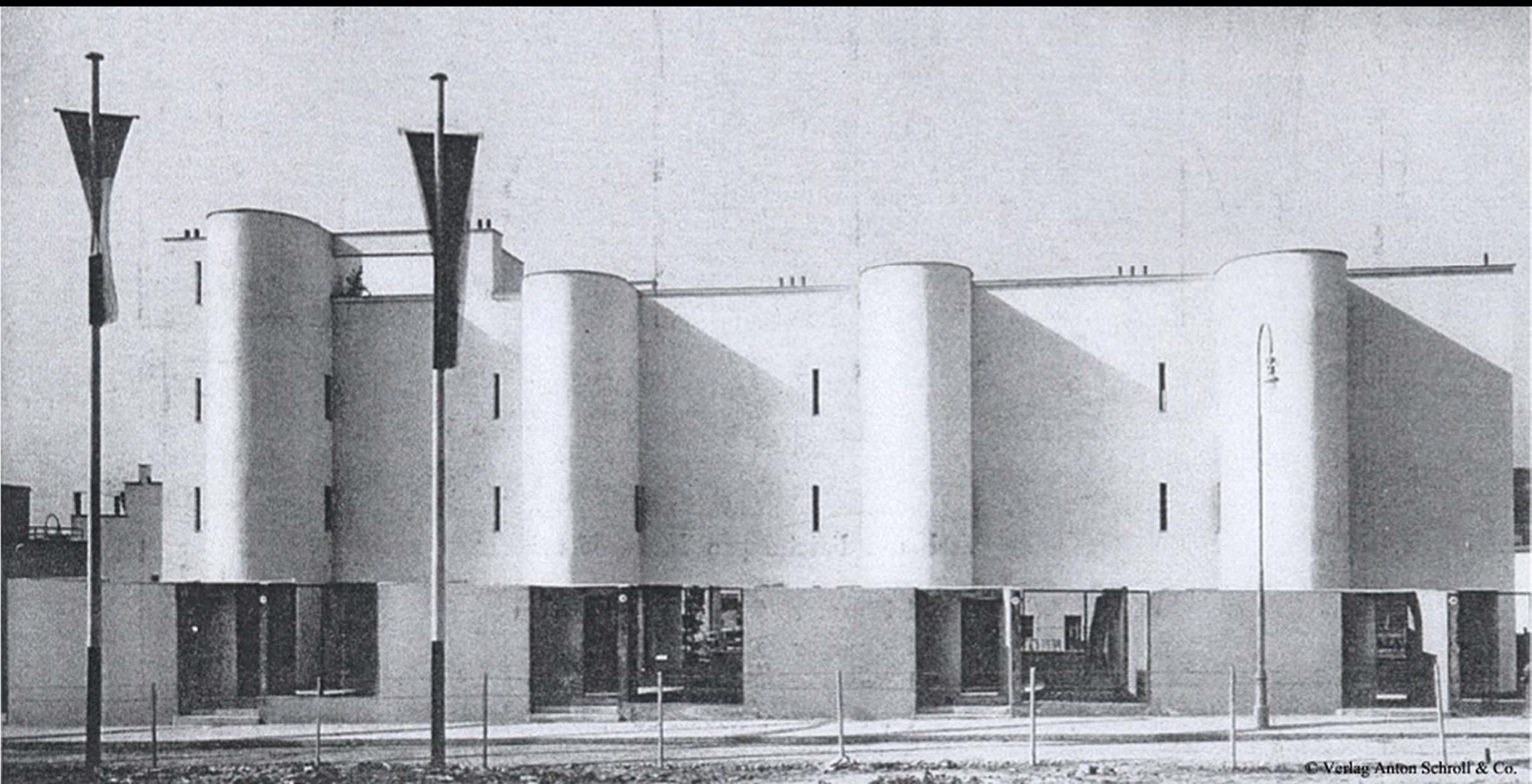
- Certain characteristics about the rowhouses were unwelcoming
- The box-like design was enhanced by its street front which included narrow windows seen as rectangular arrow slits
- The uniform treatment of the façades and boundaries as well as the decision in favour of flat roofs and the uniform method of construction relied on the traditional hollow-block wall technique

# ROW HOUSES 25 - 28

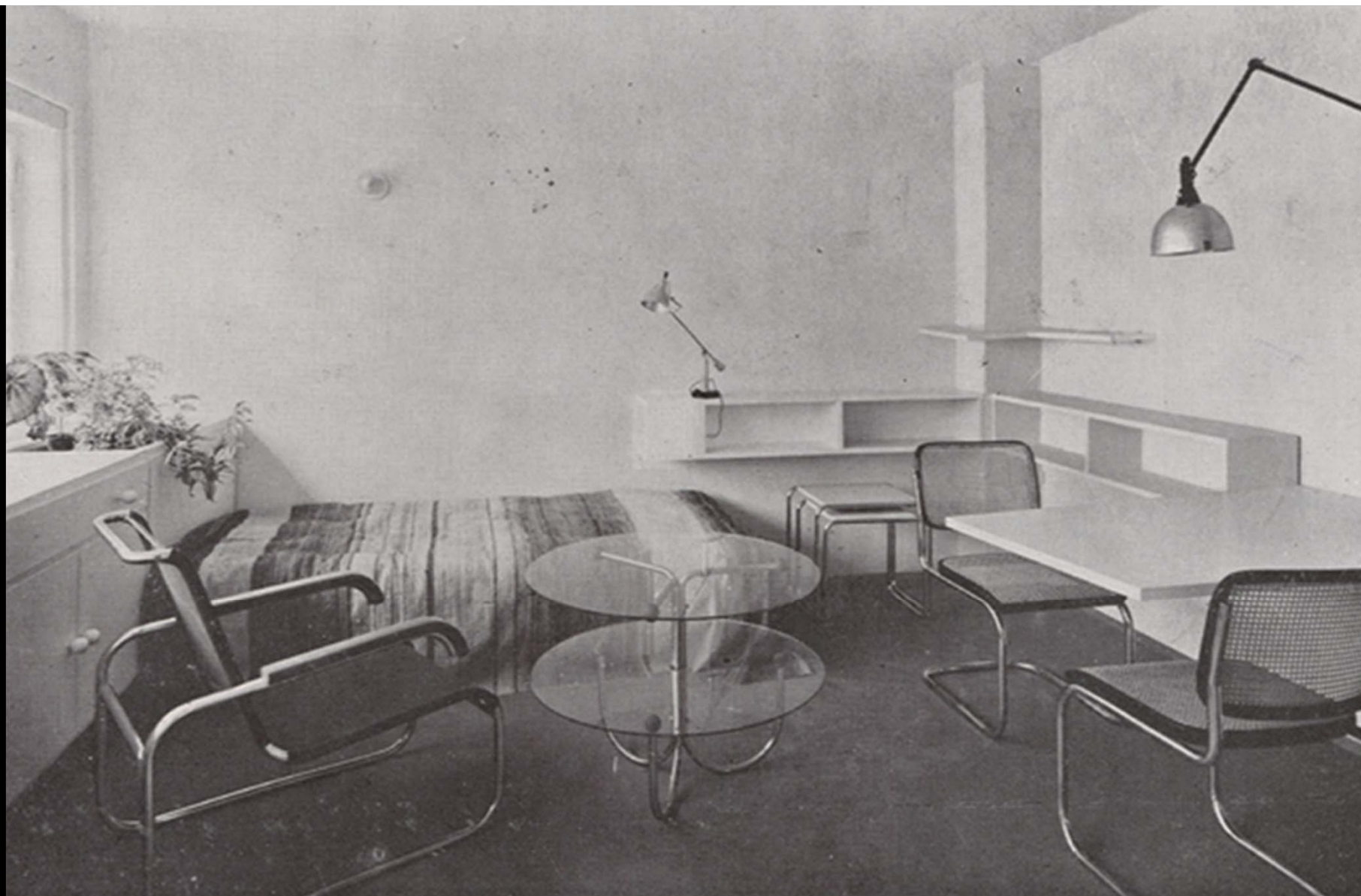
## Design Features:

- The stairs extend out of the building which creates a large-scale element that makes the building suitable for a variety of urban needs
- Walled-in entrance courtyard offering private space on the street side wall
- The design allows for considerable flexibility. The roof terrace, the breezeway, and the ground can all change for different purposes. This adaptability to changing needs and family size makes the lurcat project a particularly attractive solution housing problems













LOCATION

JAGDSCHLOBGASSE

WOJNOVICHGASSE

VEITINGERGASSE

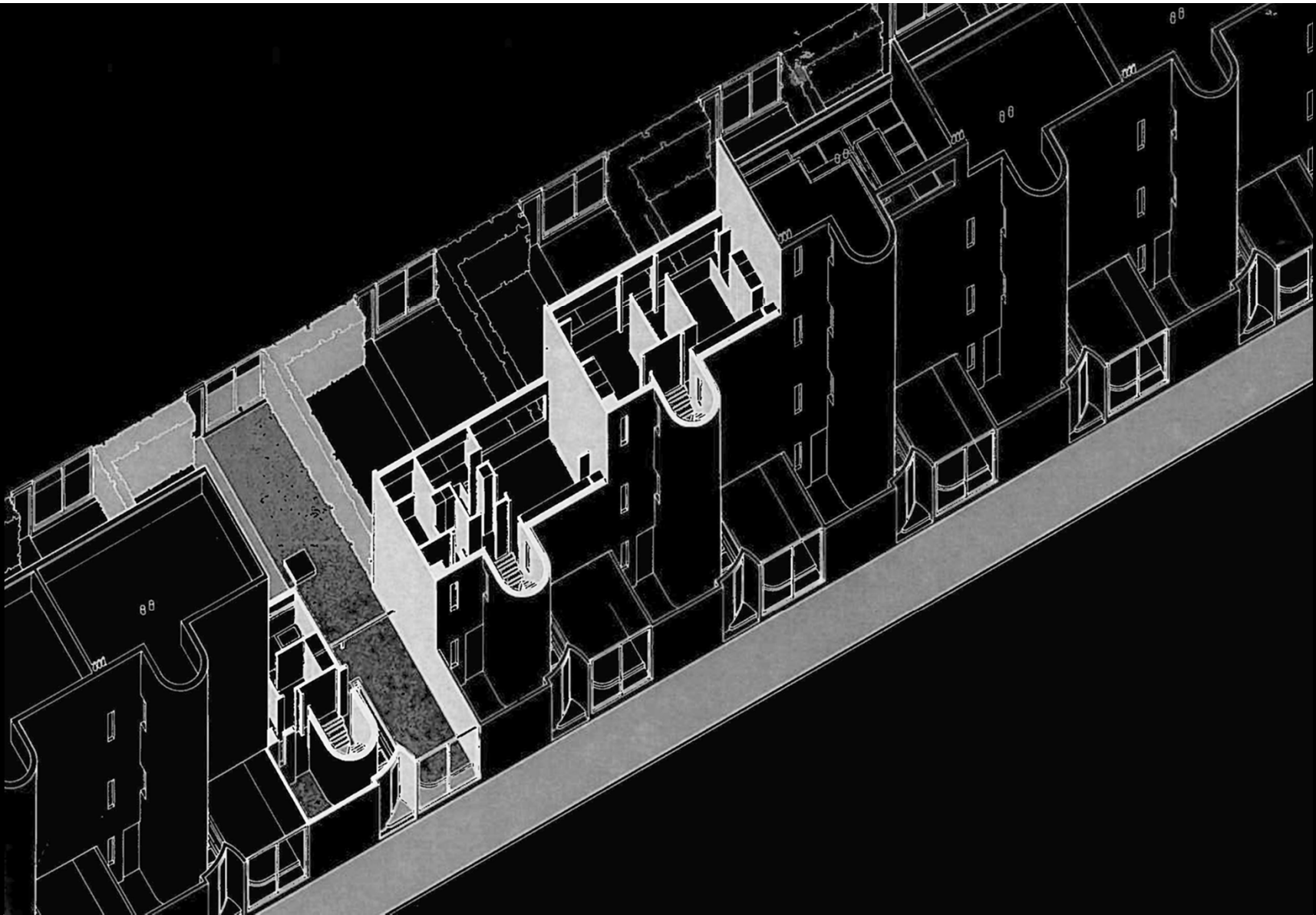


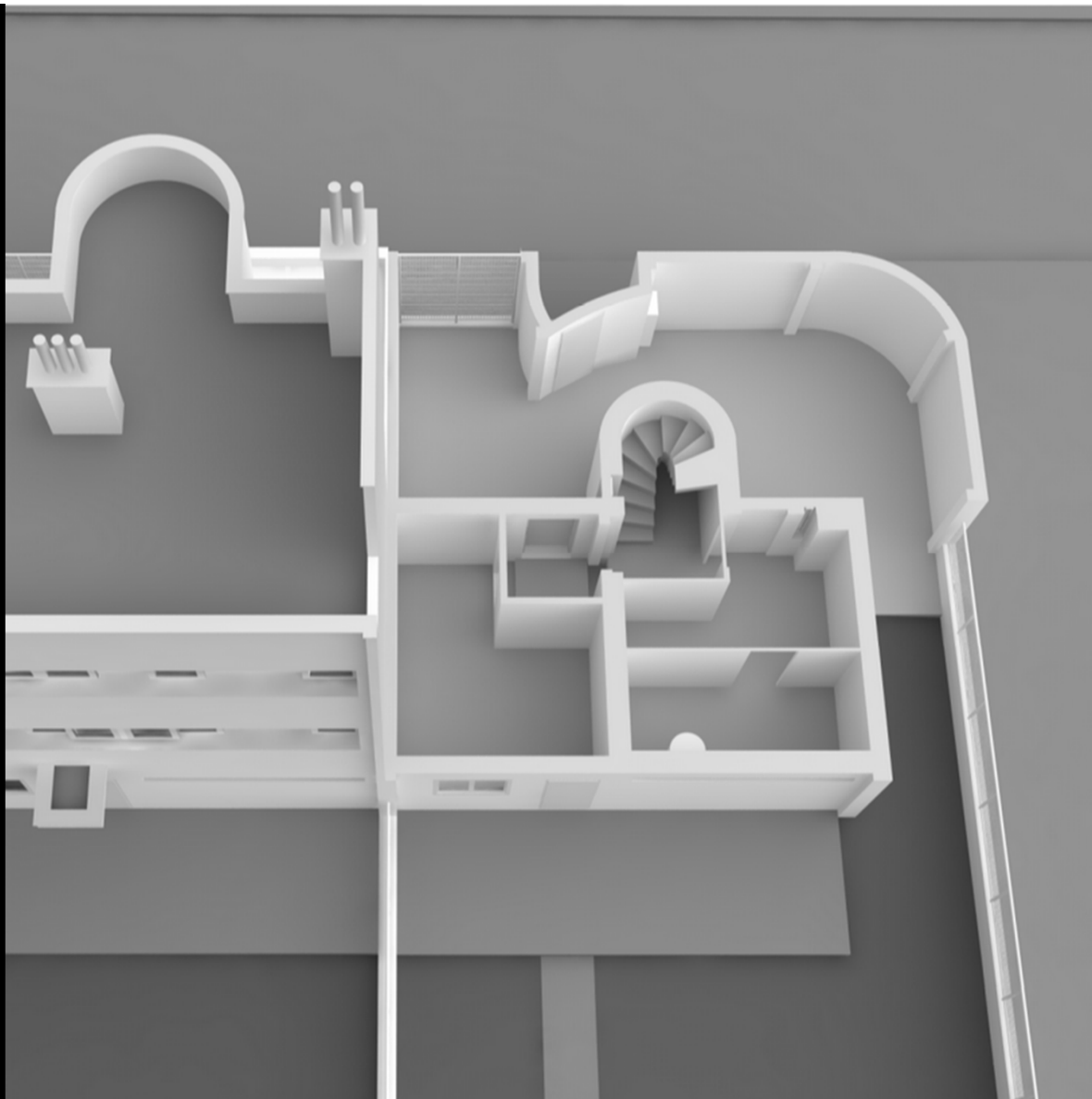
JAGDSCHLOBGASSE

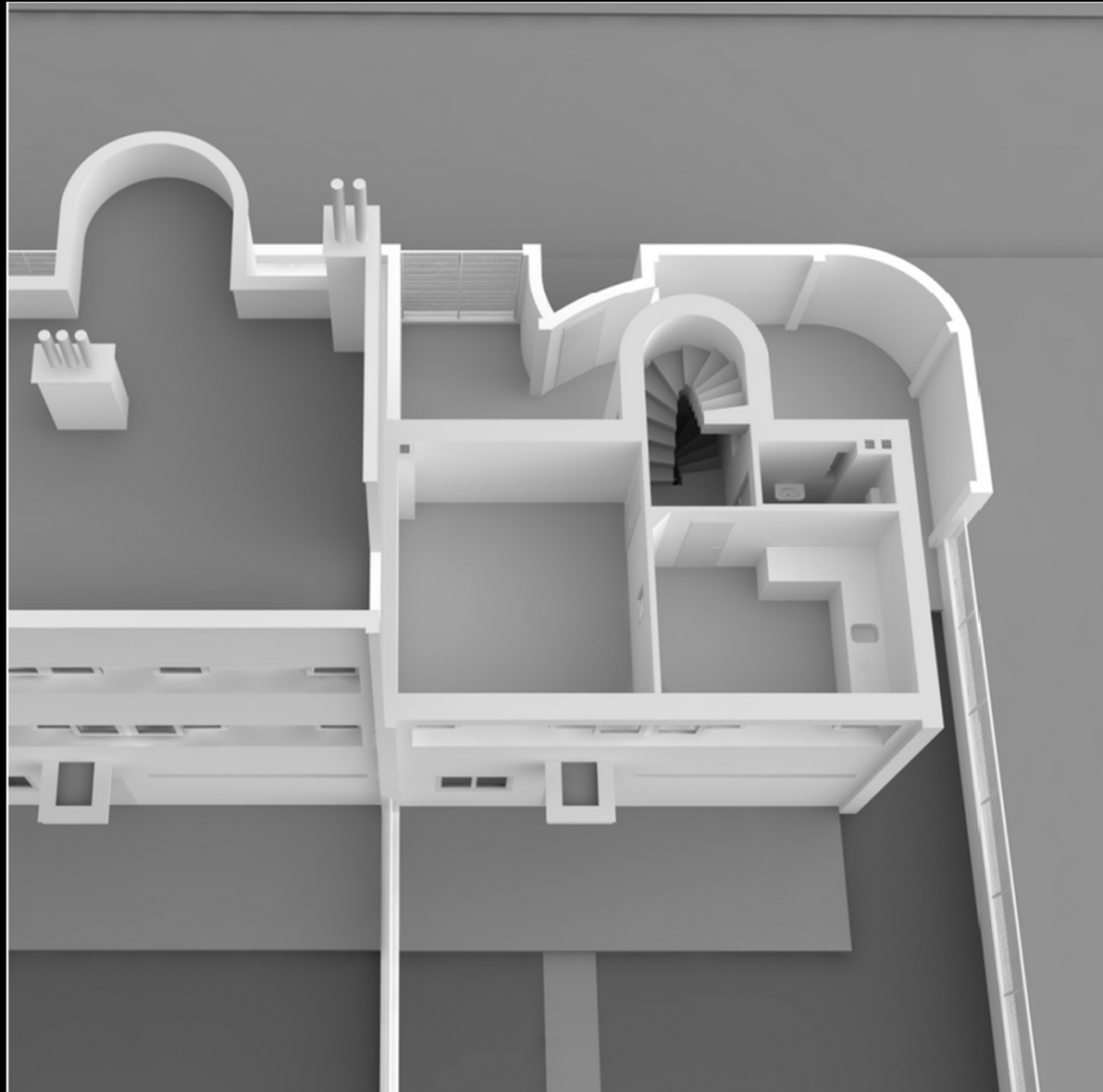
WONOVICHGASSE

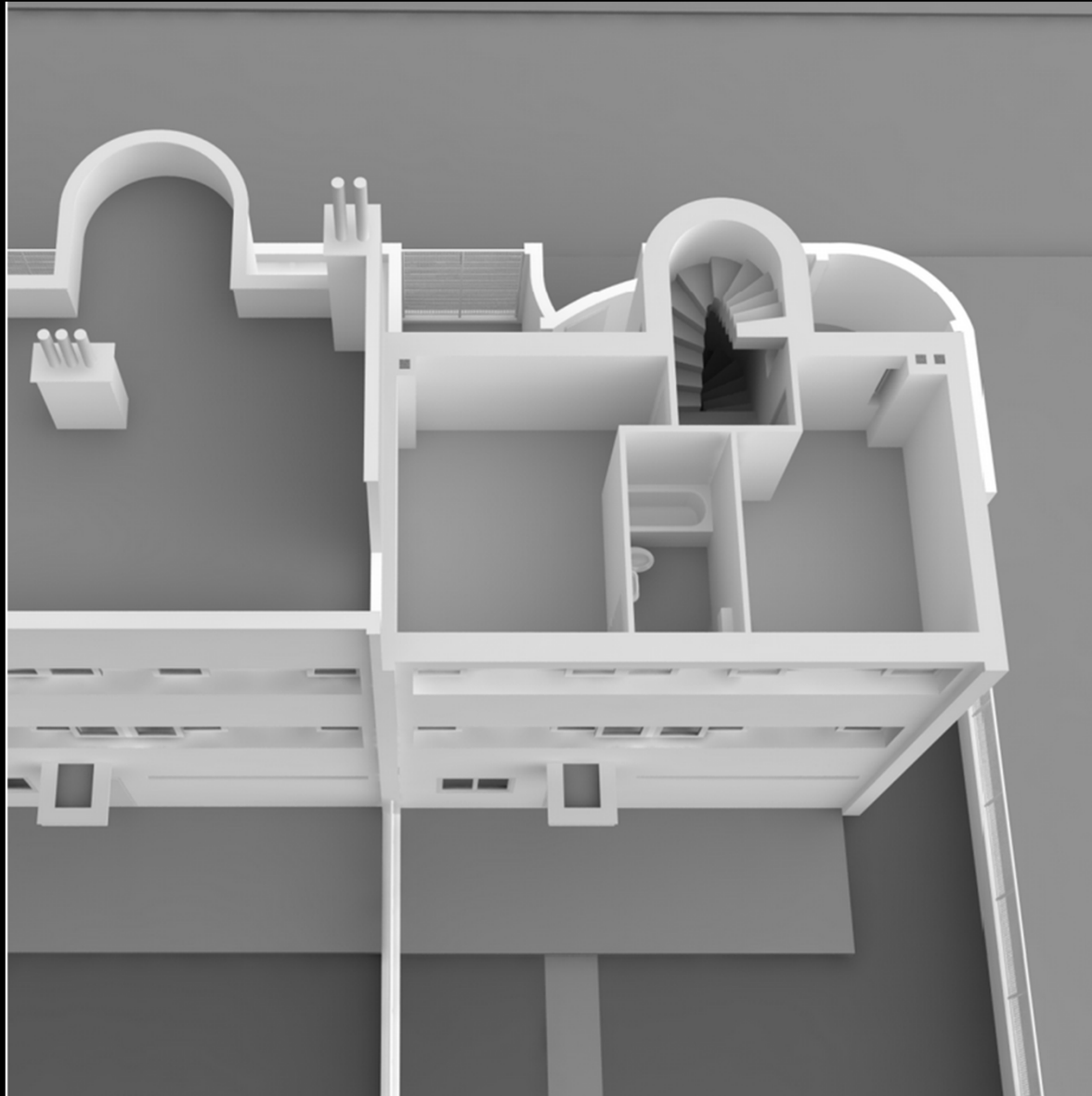
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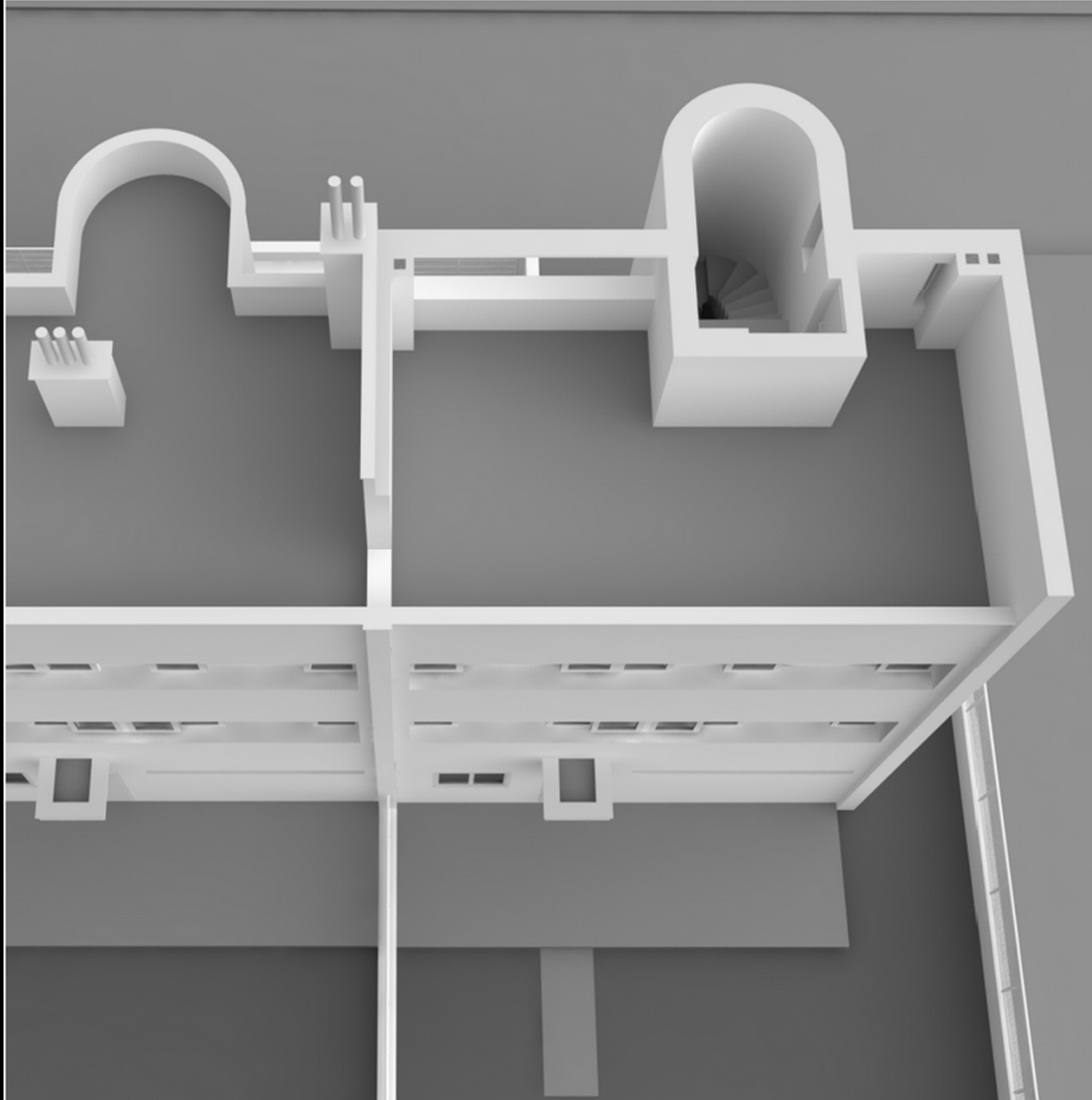


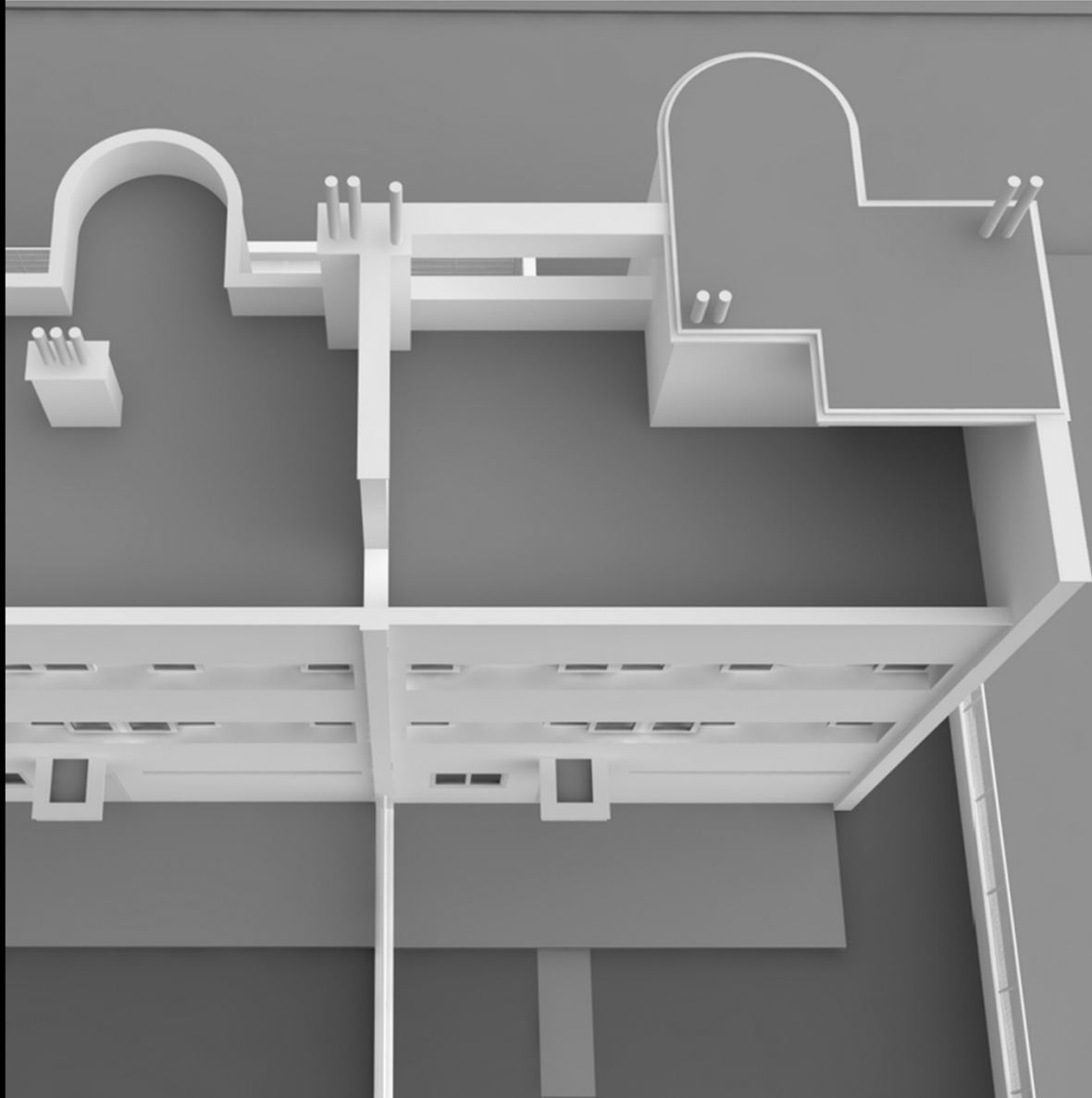




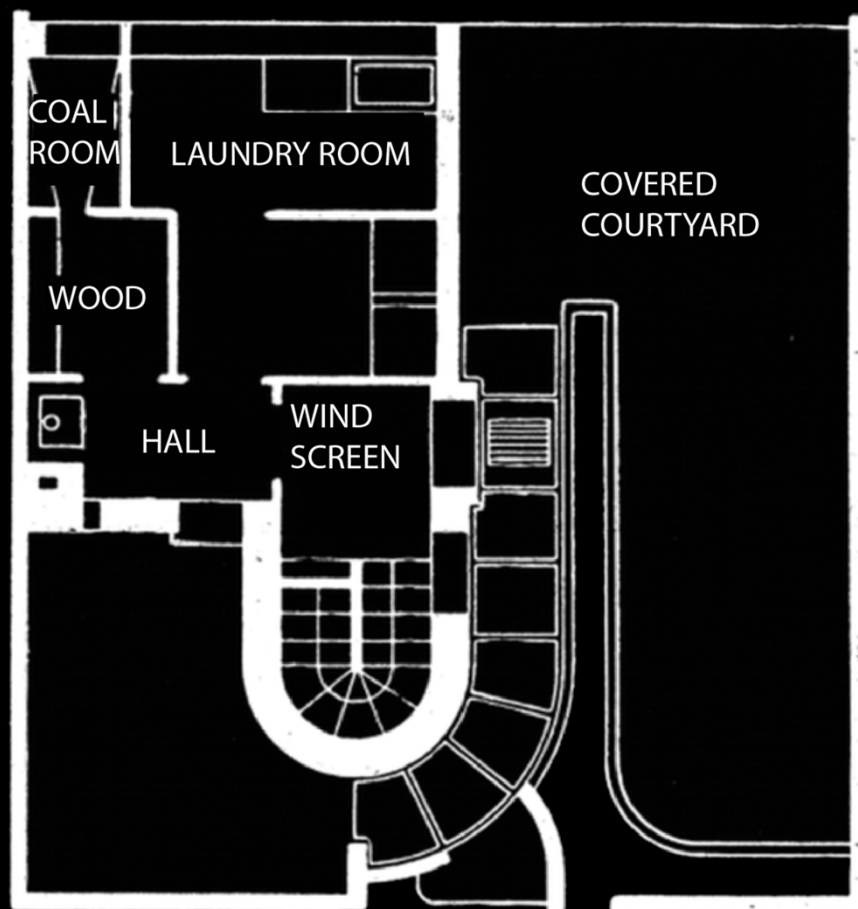








FLOOR PLANS

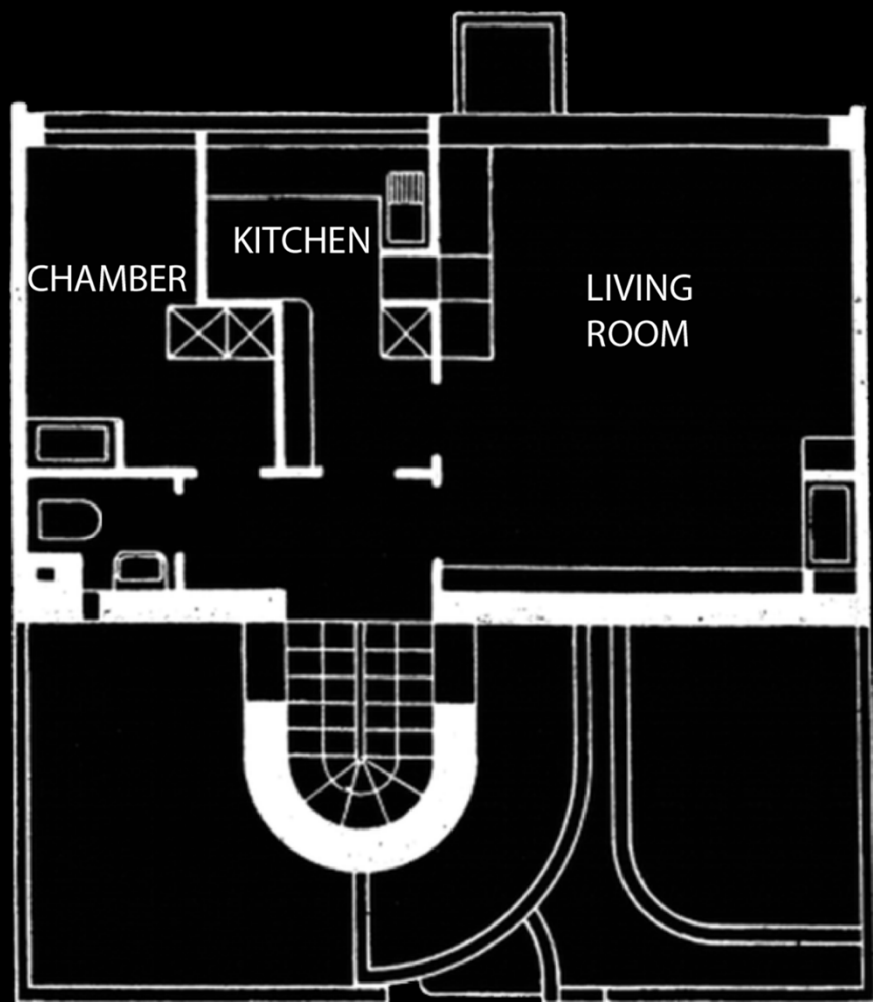


**GROUND FLOOR**

SECOND FLOOR

THIRD FLOOR

FOURTH FLOOR

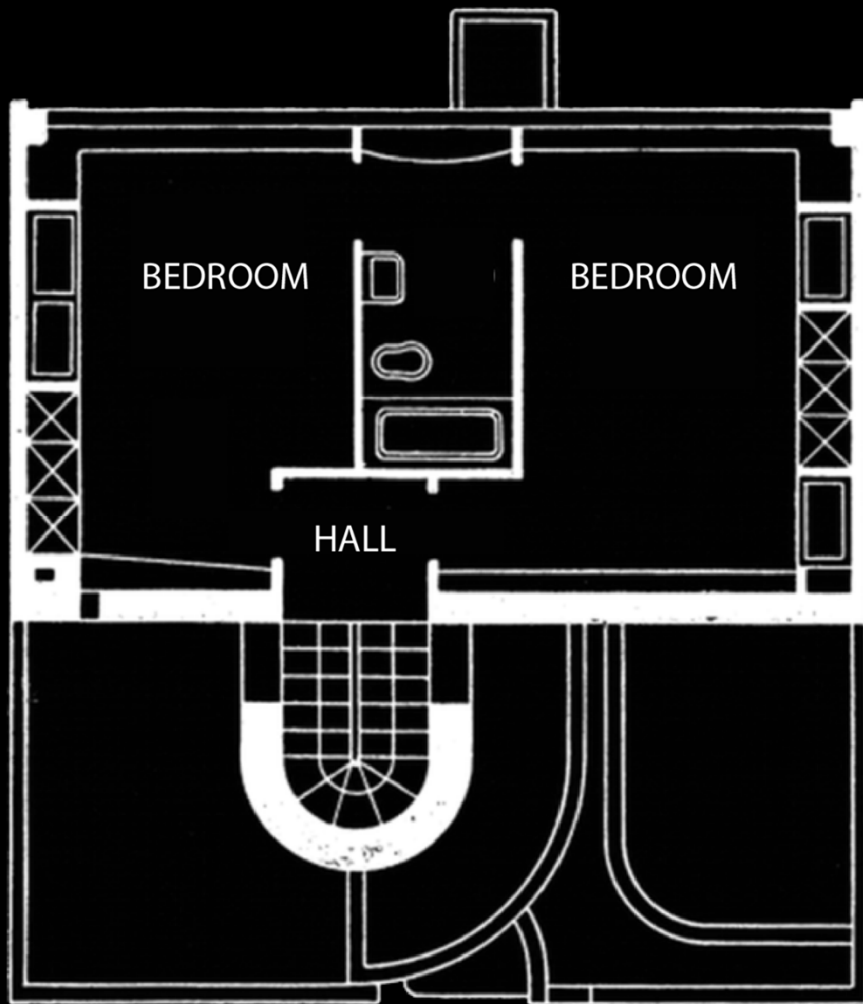


GROUND FLOOR

**SECOND FLOOR**

THIRD FLOOR

FOURTH FLOOR

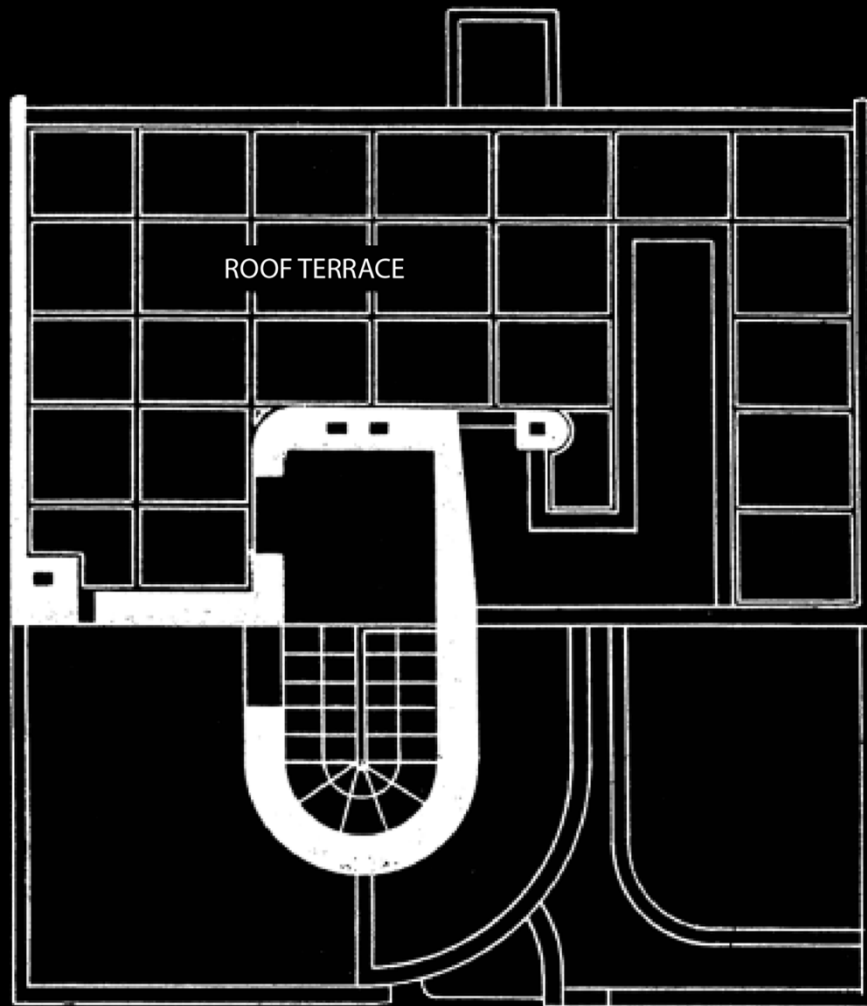


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**THIRD FLOOR**

FOURTH FLOOR



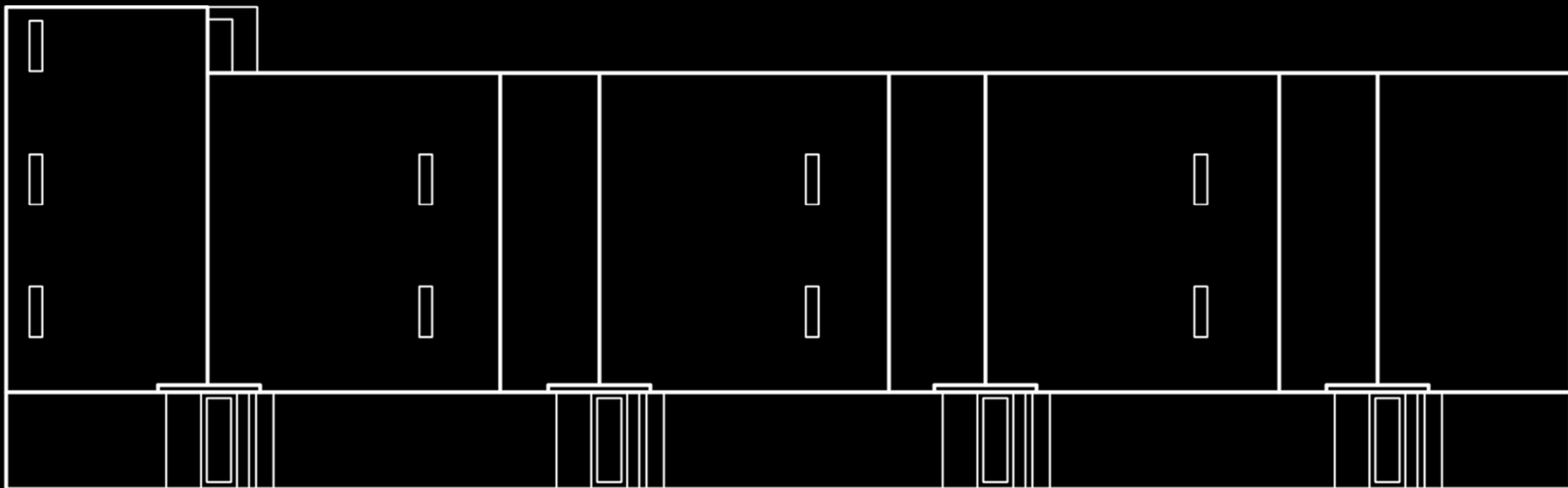
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SECOND FLOOR

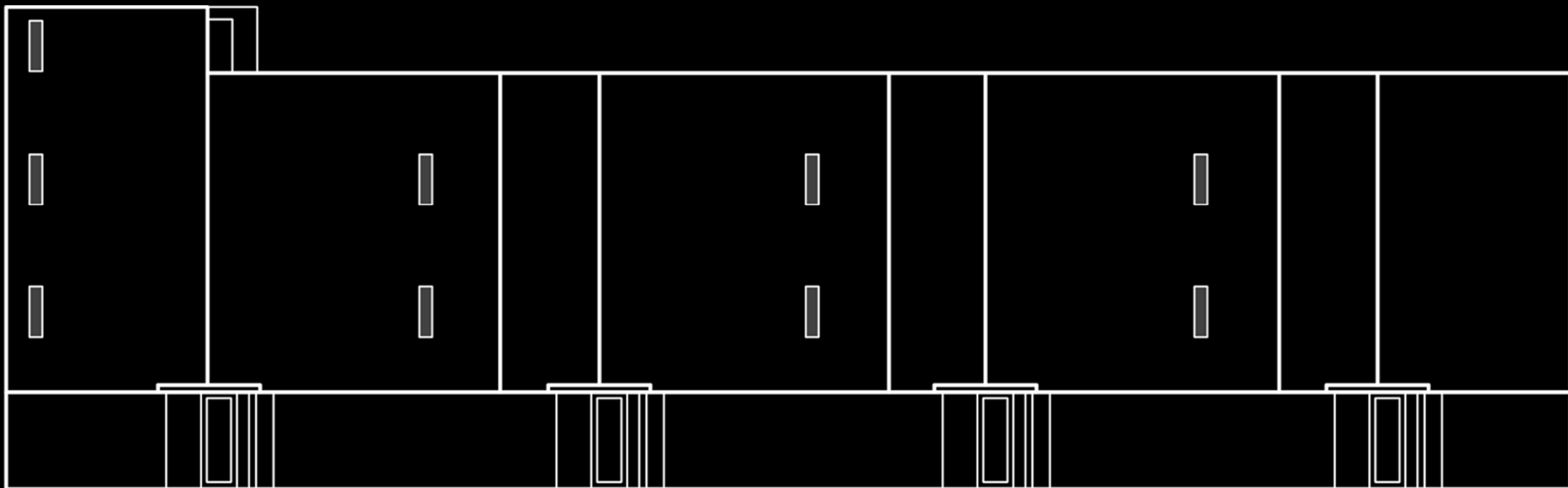
THIRD FLOOR

**FOURTH FLOOR**

NORTH ELEVATION

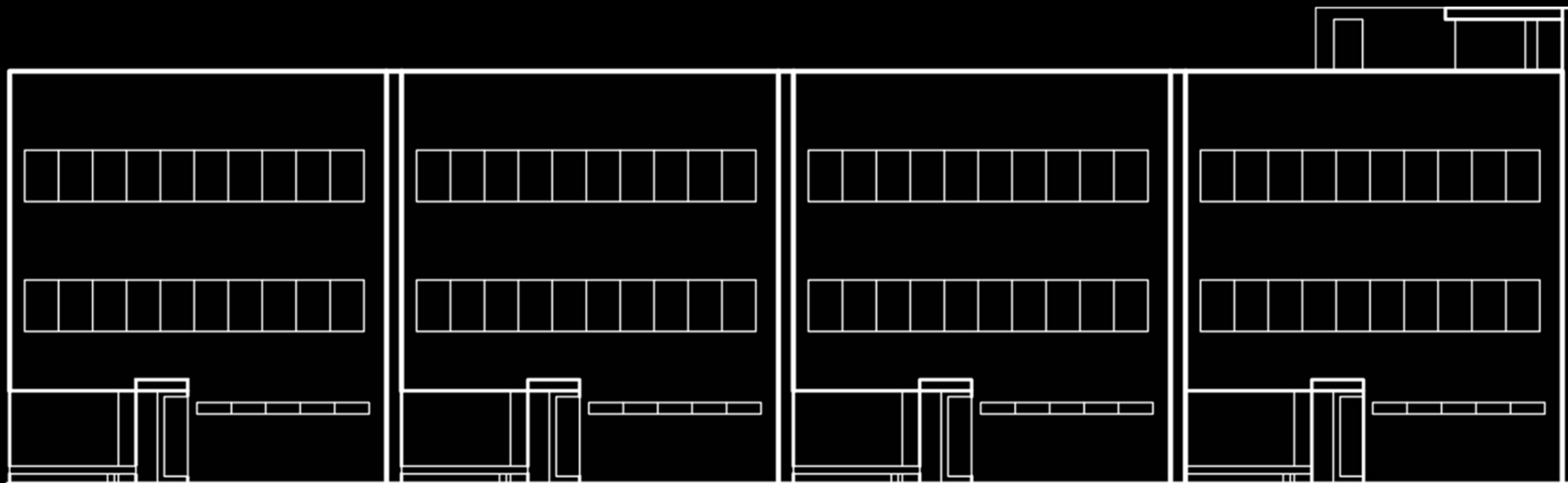


0m 1m 3m 7m

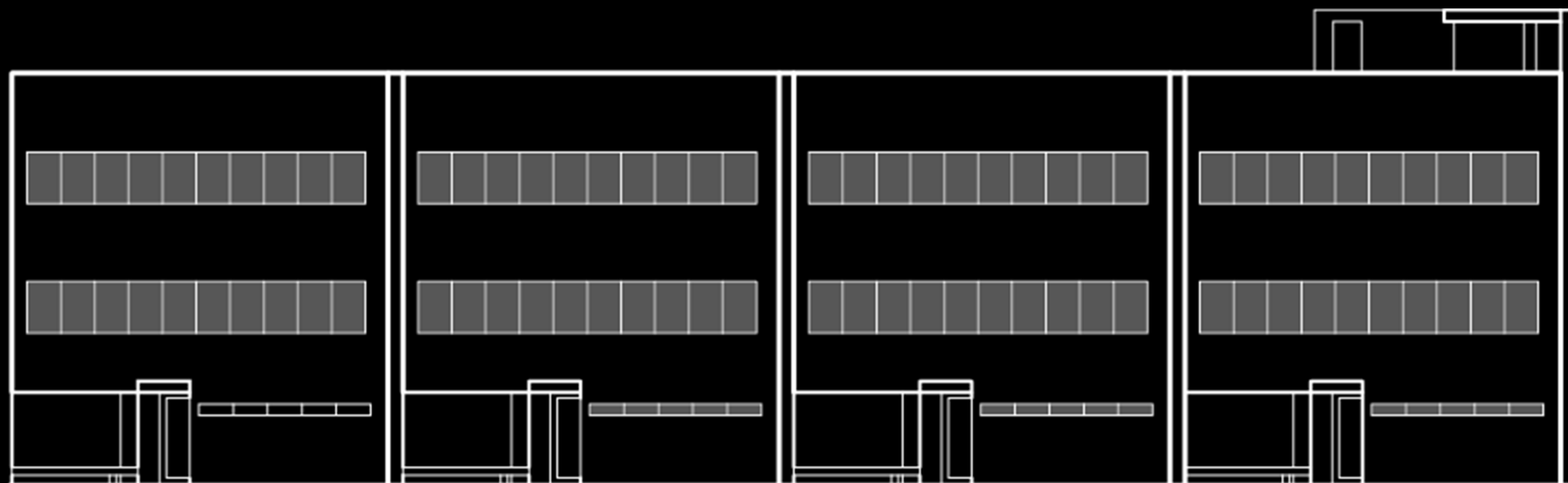


0m 1m 3m 7m

SOUTH ELEVATION

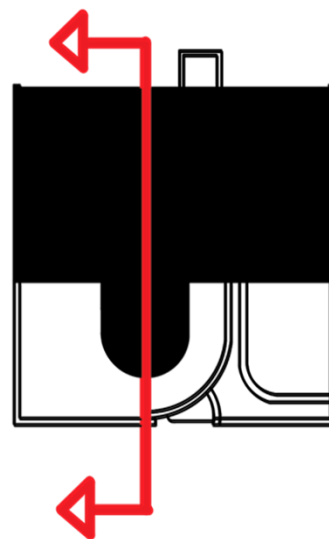
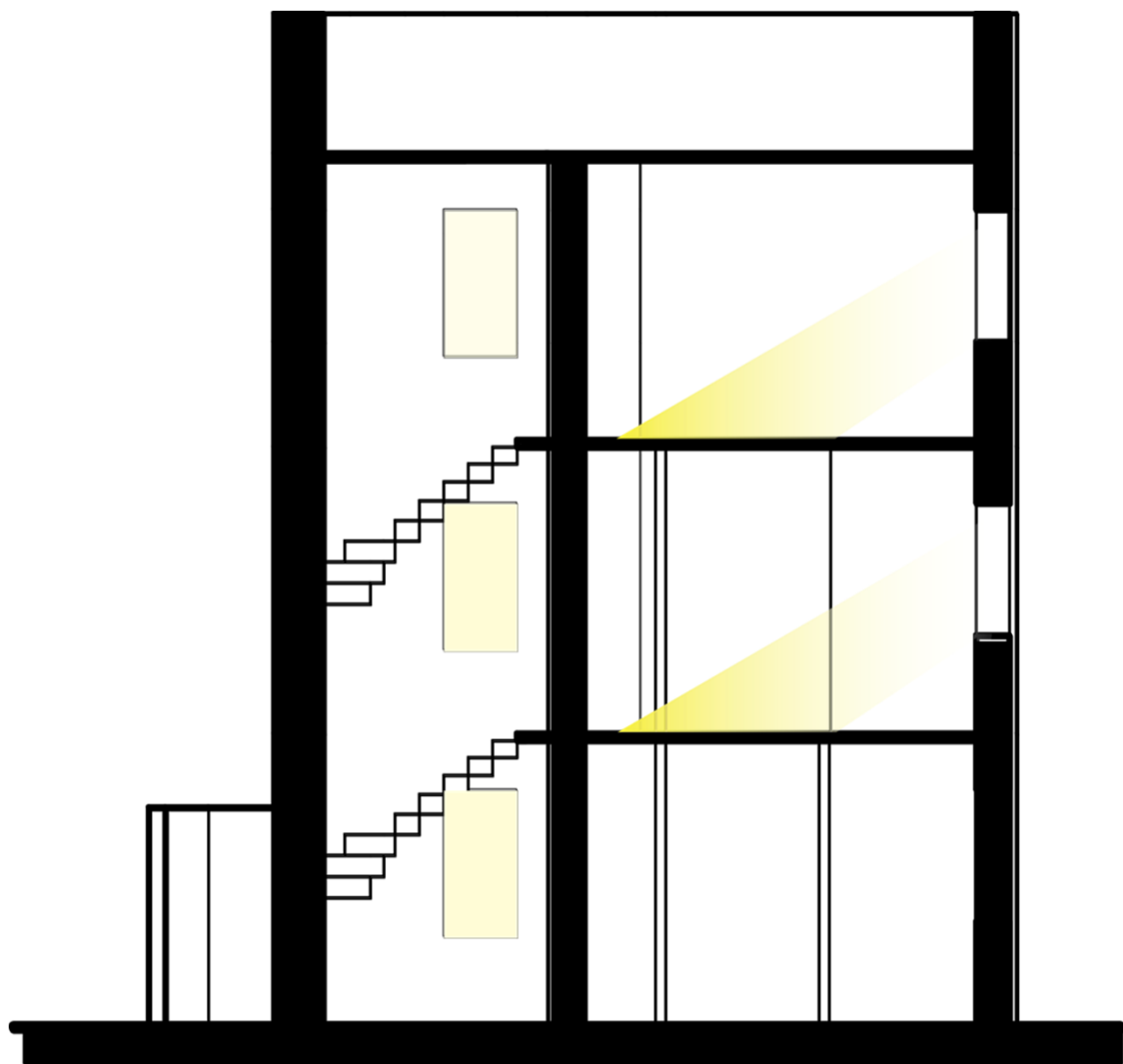


0m 1m 3m 7m



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INTERIOR SECTION



LOCAL CLIMATE

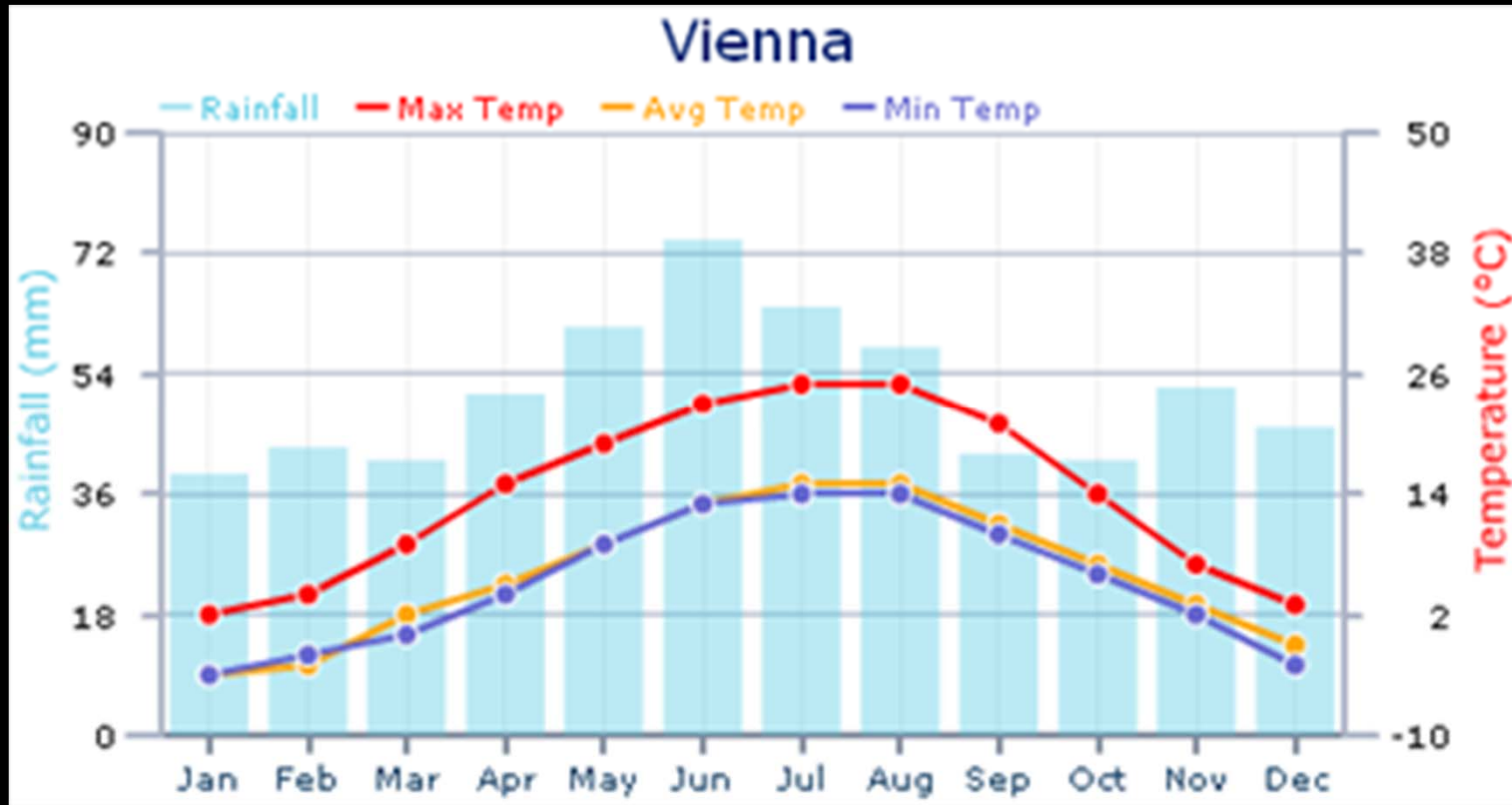
# VIENNA, AUSTRIA

Temperate climate condition

Vienna, Austria is at  $48^{\circ}14'N$ ,  $16^{\circ}21'E$

Vienna has a marine west coast climate





M I C R O - C L I M A T E

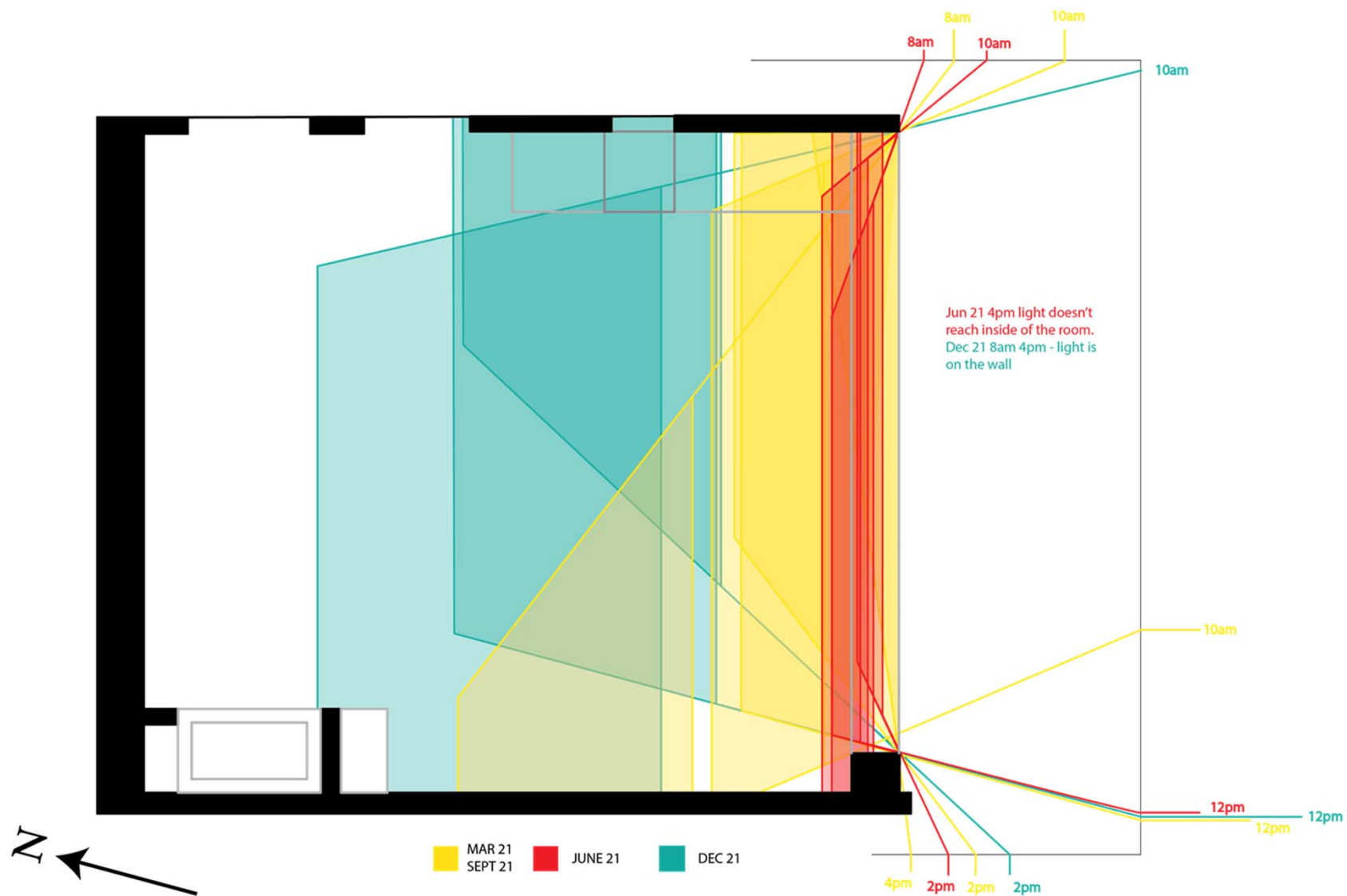


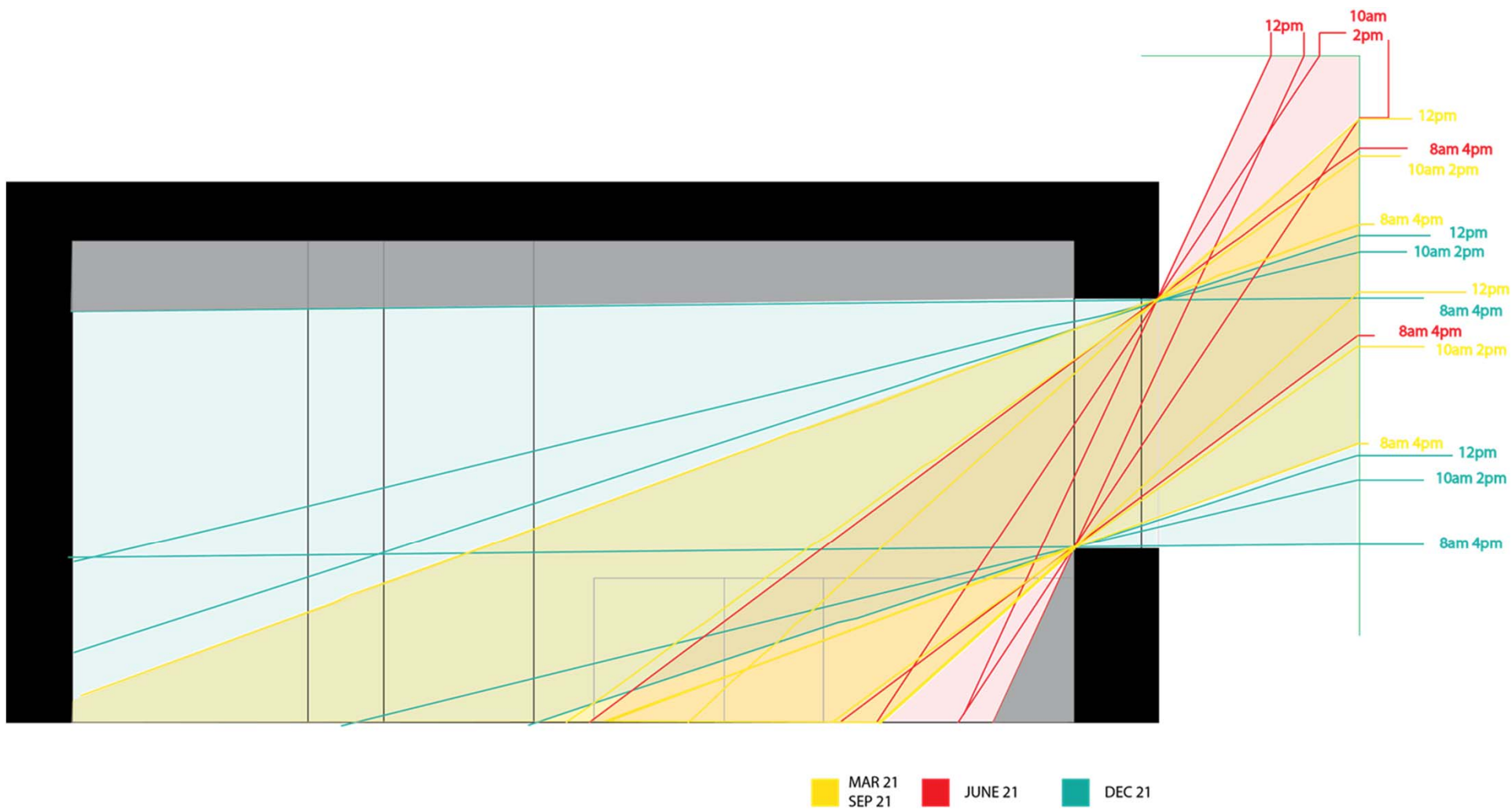
Werkbundsiedlung

P R O S   A N D   C O N S

*IS THE SPACING OF THE DEVELOPMENT  
ADEQUATE TO PROVIDE GOOD SOLAR ACCESS  
FOR EITHER PASSIVE HEATING OR DAYLIGHT*

- Lurcat developed a very narrow unit that can go on a shallow lot (the usual rowhouse requires a deep lot); all rooms are well lit and most are the depth of the building.
- Although one side is a nearly a complete solid wall the opposite side, which faces a small garden, is very open, with strip windows that allow a lot of passive heating and daylighting to enter the units





*WHAT IMPROVEMENTS NEED TO BE MADE TO  
THE SITE PLAN OR SITING OF THE BUILDING TO  
IMPROVE ITS SUSTAINABLE SITES POTENTIAL?*

- Some possible improvements can be made by replacing the flat roof terrace with a green roof
- Since the colour scheme of the rowhouses were painted in white, there is a great potential in improving environmental sustainability by installing a green roof
- The siting of the rowhouses is situated at a position where they are all south-oriented. This provides an incredible amount of direct sunlight. Therefore, no extra improvements are needed to focus upon the siting of the rowhouses.

*IS THE FLOOR PLANNING OF THE UNITS GOOD  
FOR NATURAL VENTILATION?*

- The existing floor plan is good for natural ventilation
- The strip windows go across the entire South facing side of the houses

*DOES THIS DEVELOPMENT ADDRESS SOLAR  
SHADING FOR THE BUILDINGS?*

- This development addresses solar shading on the North side where the facade is almost completely a solid wall with the exception of very narrow slit windows
- However, this was not a primary concern for Werkbundsiedlung project since Vienna has a temperate climate.

# BIBLIOGRAPHY

## WEBSITES

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## IMAGES

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