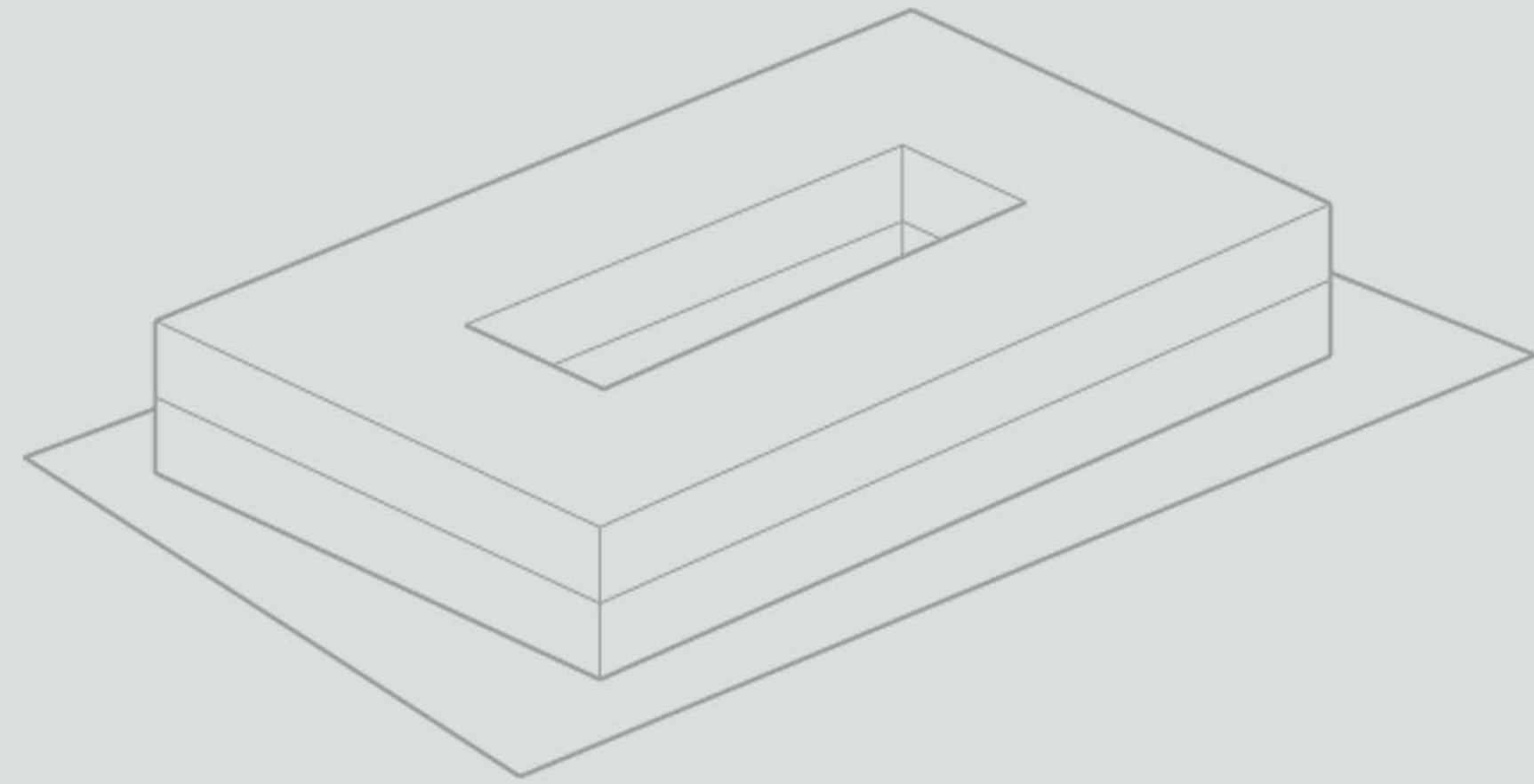
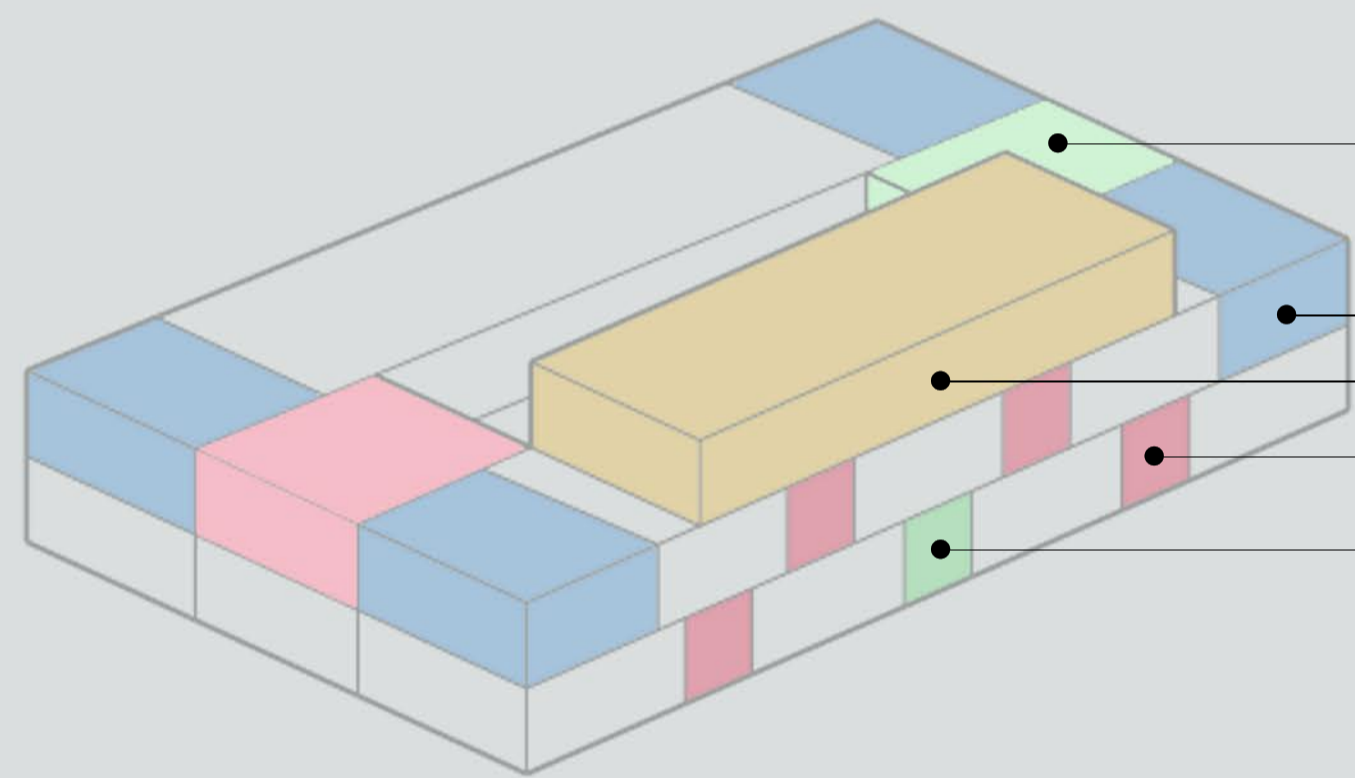


Concept Diagram



01. Most Common Shape in Bushehr Traditional Architecture



Removed to Make Entrance and Enhance Wind Circulation

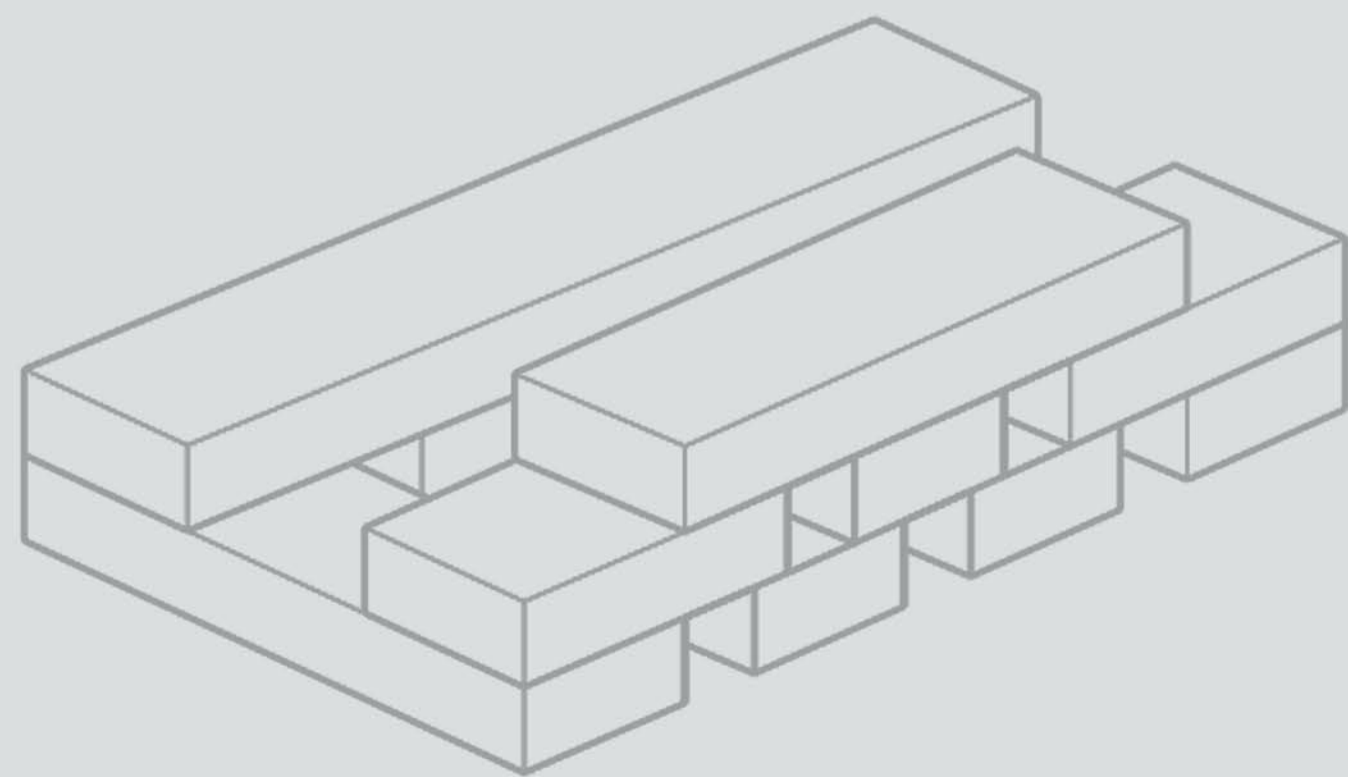
Balcony

Added to Enhance Wind Circulation in the courtyard

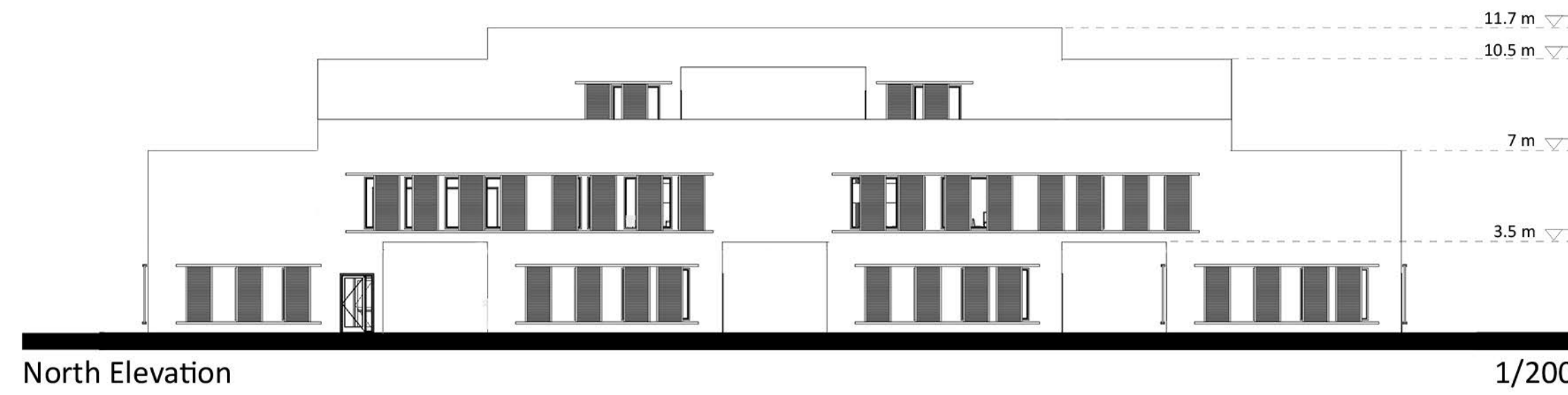
Removed to make Balcony/ Wind Circulation

Removed to Make Entrance / Wind Circulation

02. Adding Balconies (Trameh) for the Optimum Air Flow

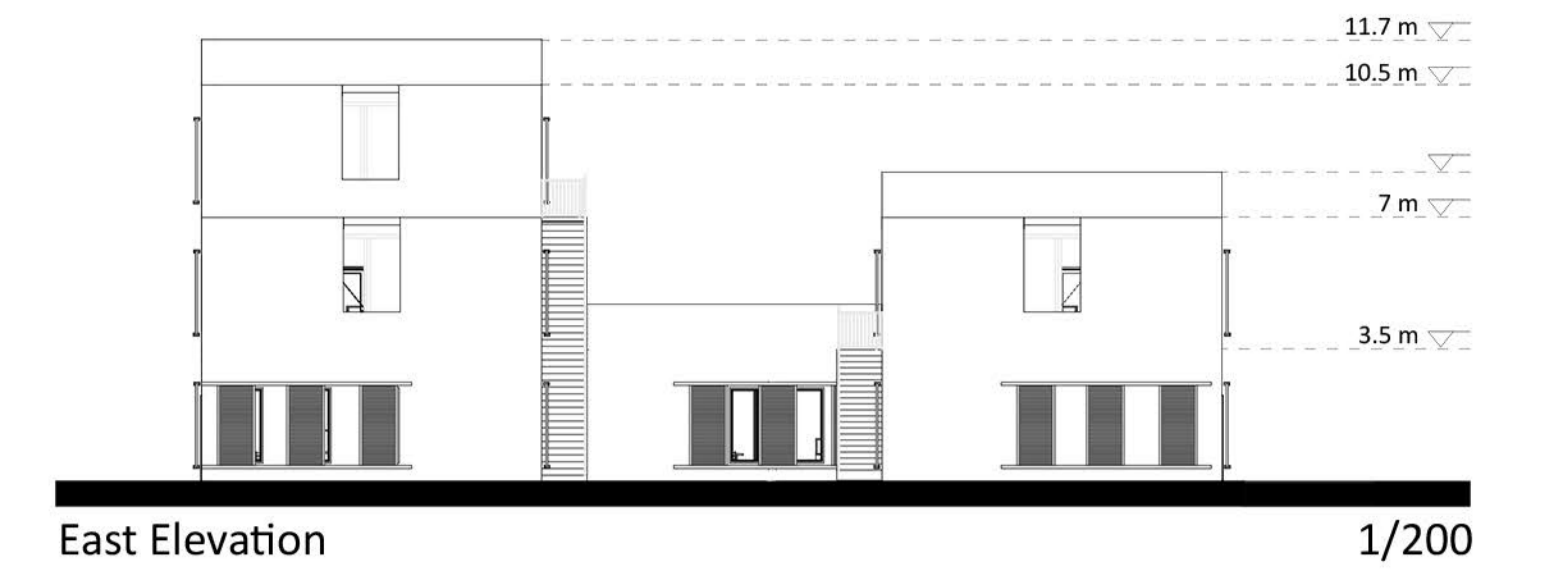


03. Final Shape



North Elevation

1/200



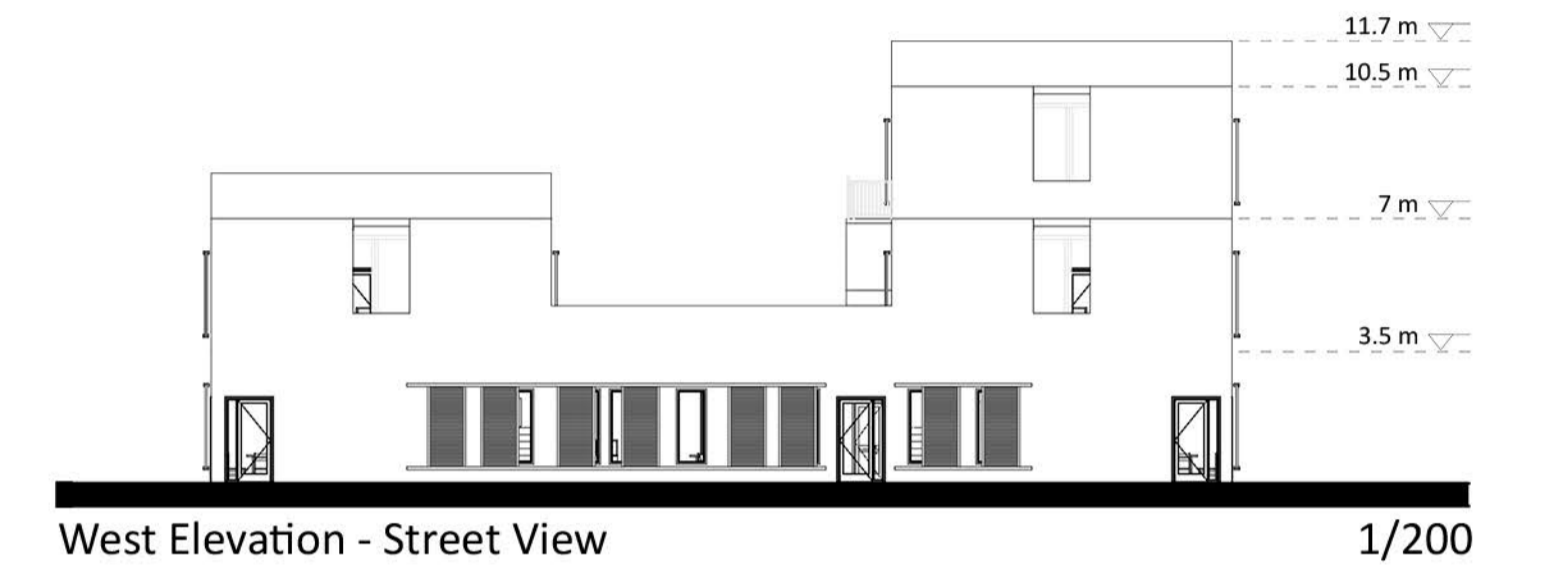
East Elevation

1/200



South Elevation

1/200



West Elevation - Street View

1/200



Bird View

Openings

Most of the rooms in the old quarter of Bushehr have 3, 4, 5, or 7 openings on both sides. This makes possible better air circulation in the room and reduces the humidity and temperatures. Usually, shading was provided by the thickness of the walls.

Extroverted Architecture

Although, Iran architecture is introverted (because of the weather and religious beliefs of people), Bushehr's architecture is extroverted. One of the reasons was the urgent need for ventilation and it has more openings in the facade in comparison to the other parts of Iran.

Form of construction

The houses located in the old four quarters of Bushehr were built around a central courtyard; This means that the courtyard was in the middle and rooms on one, two, and three floors were built in its four directions.



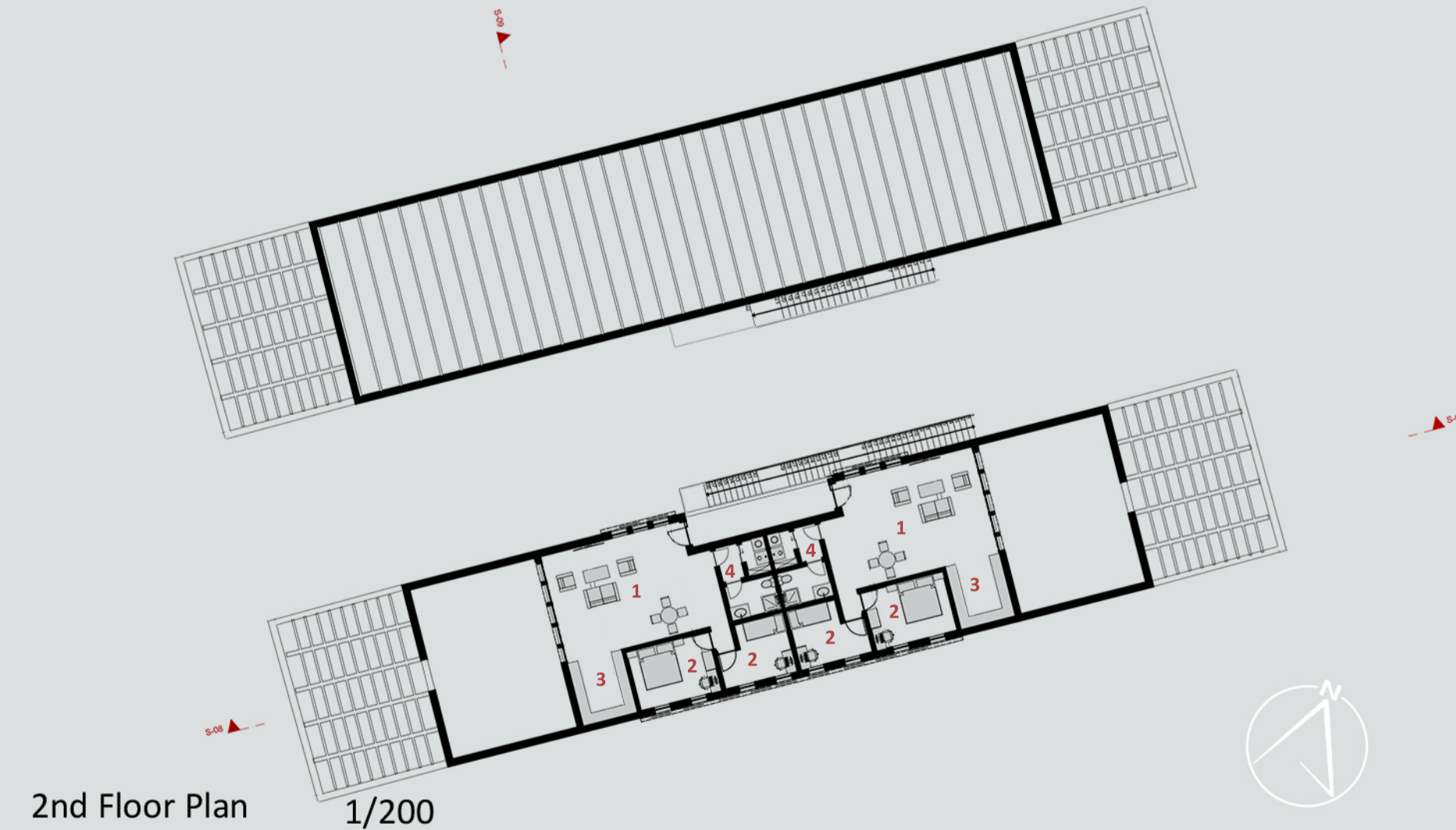


Ground Floor Plan 1/200

- 1. Livingroom
- 2. Bedroom
- 3. Kitchen
- 4. Bathroom



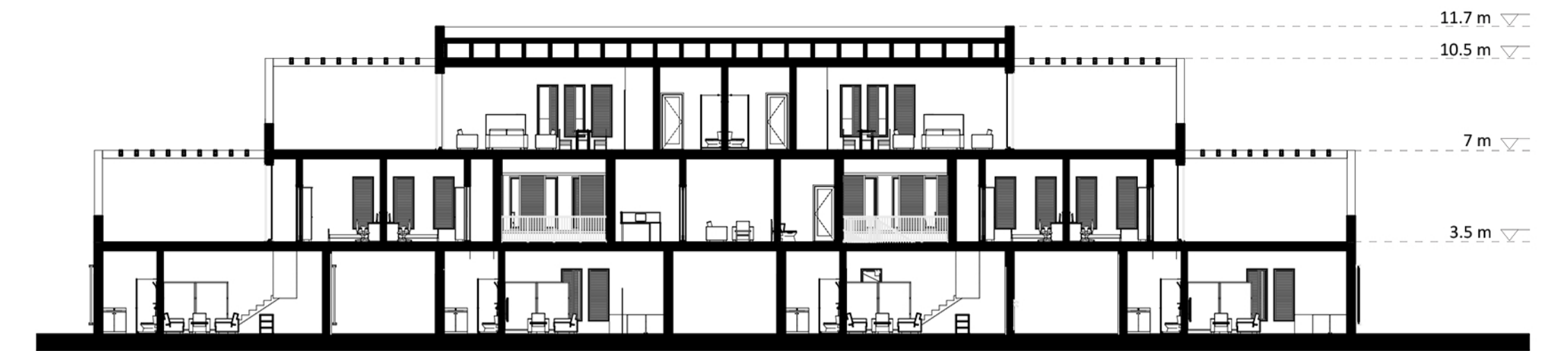
1st Floor Plan 1/200



2nd Floor Plan 1/200

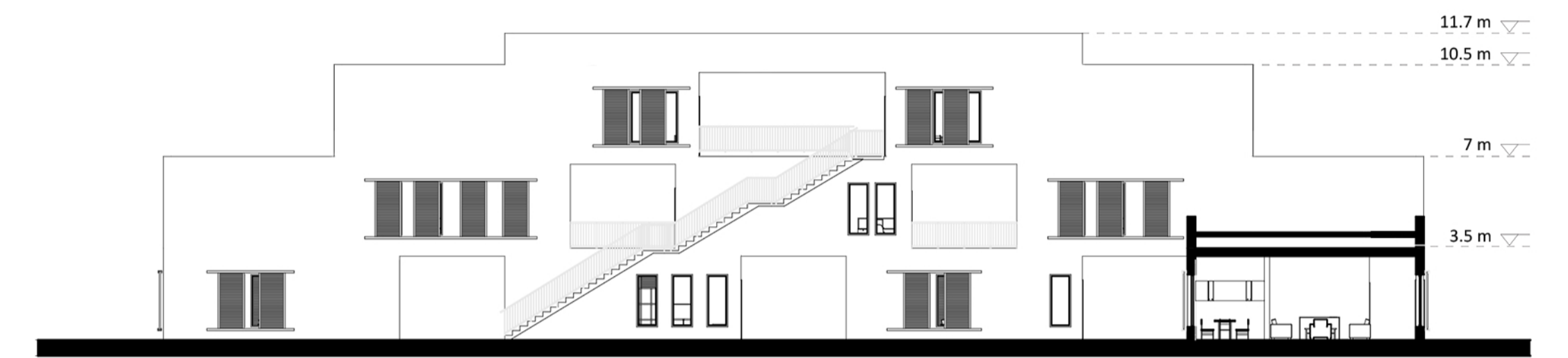
Building Blocks

The old quarter of Bushehr is a big block exploded into smaller parts (blocks or houses) separated by streets or alleys. Extraversion and arranging the common "bodies" in the neighborhoods with the aim of making the most of the airflow has divided the fabric of the city into separate blocks consisting of one or more residential units. Intertwined blocks with irregular grids of intersecting alleys that pass through small squares and eventually reach the sea.



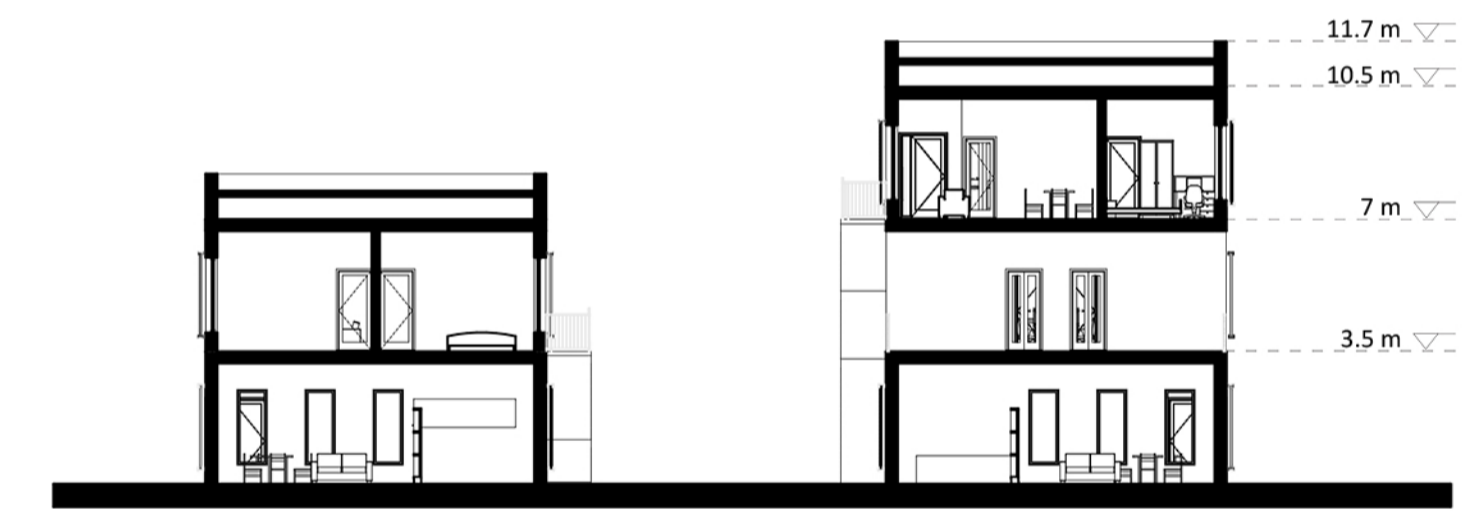
Section 08

1/200



Elevation - Section 02

1/200



Section 09

1/200

Direction of the houses

One of the most important components in the construction of Bushehr buildings was the use of shade and wind. For this purpose, strategies such as adopting the central courtyard, keeping the buildings high, creating an alley around the building, using multiple openings in the rooms, narrowing the alleys, and decreasing the height of the wall of the west or north side is common. This is because these strategies played an important role in reducing the temperature and increasing thermal comfort.

White Color

Most of the buildings in the old quarter of Bushehr had a white color, although over time the color was changing and losing its brightness. The main objective was reducing solar radiation impact on the thermal comfort of the building.



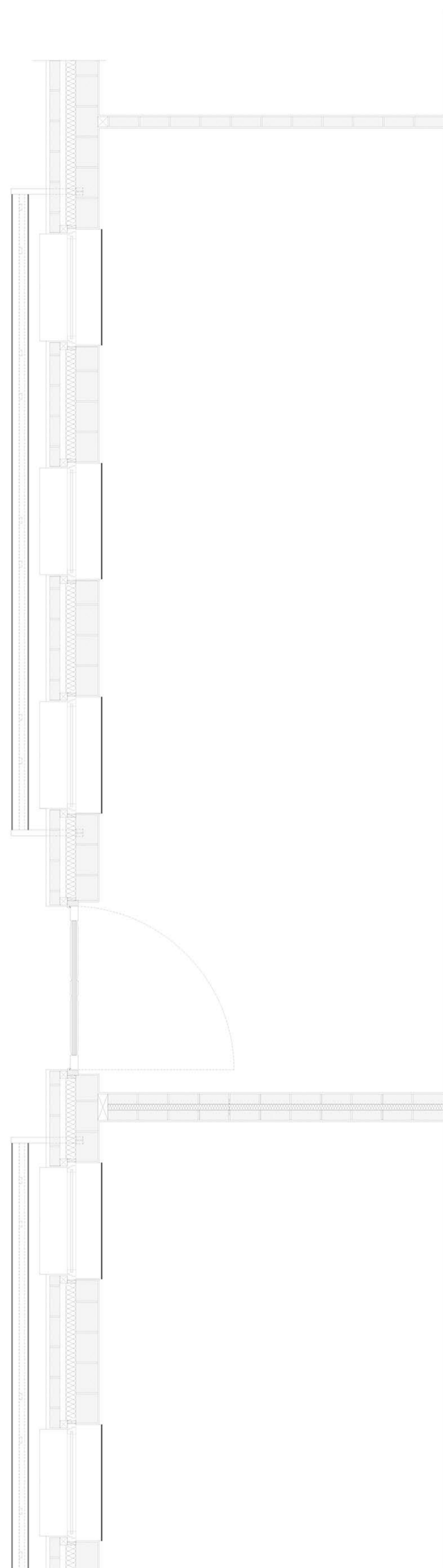
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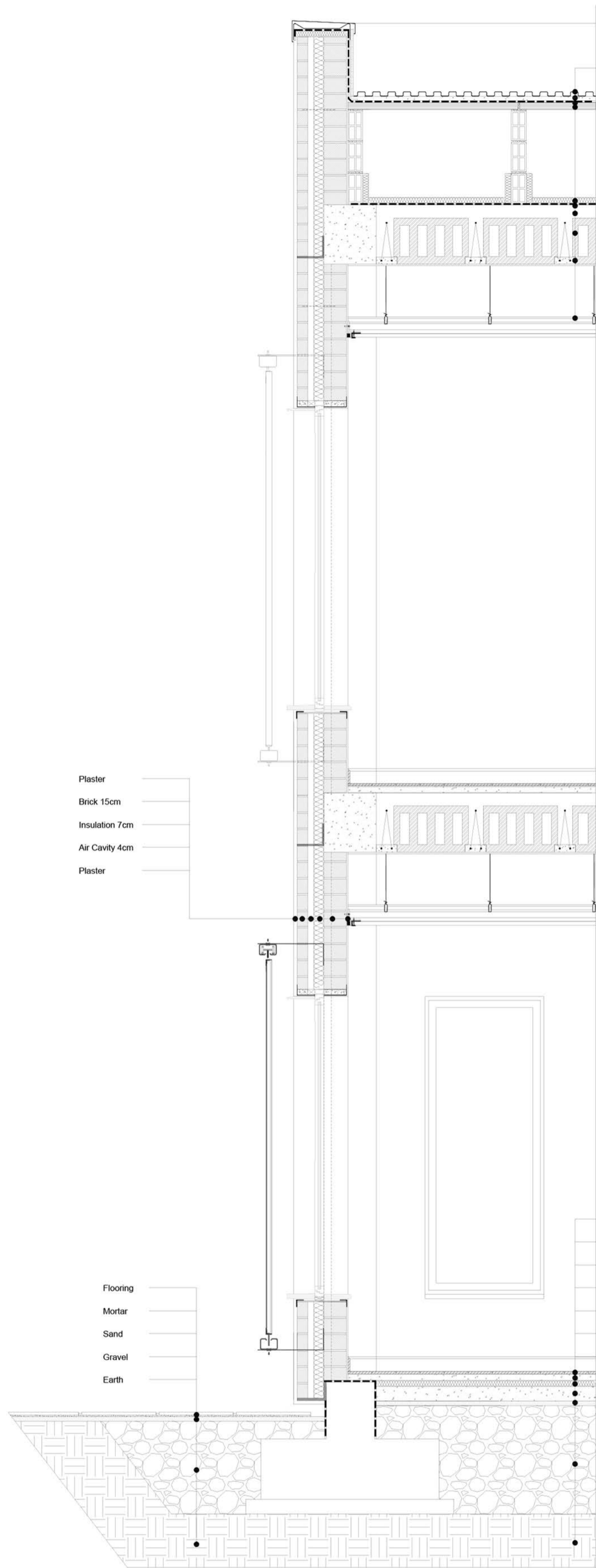
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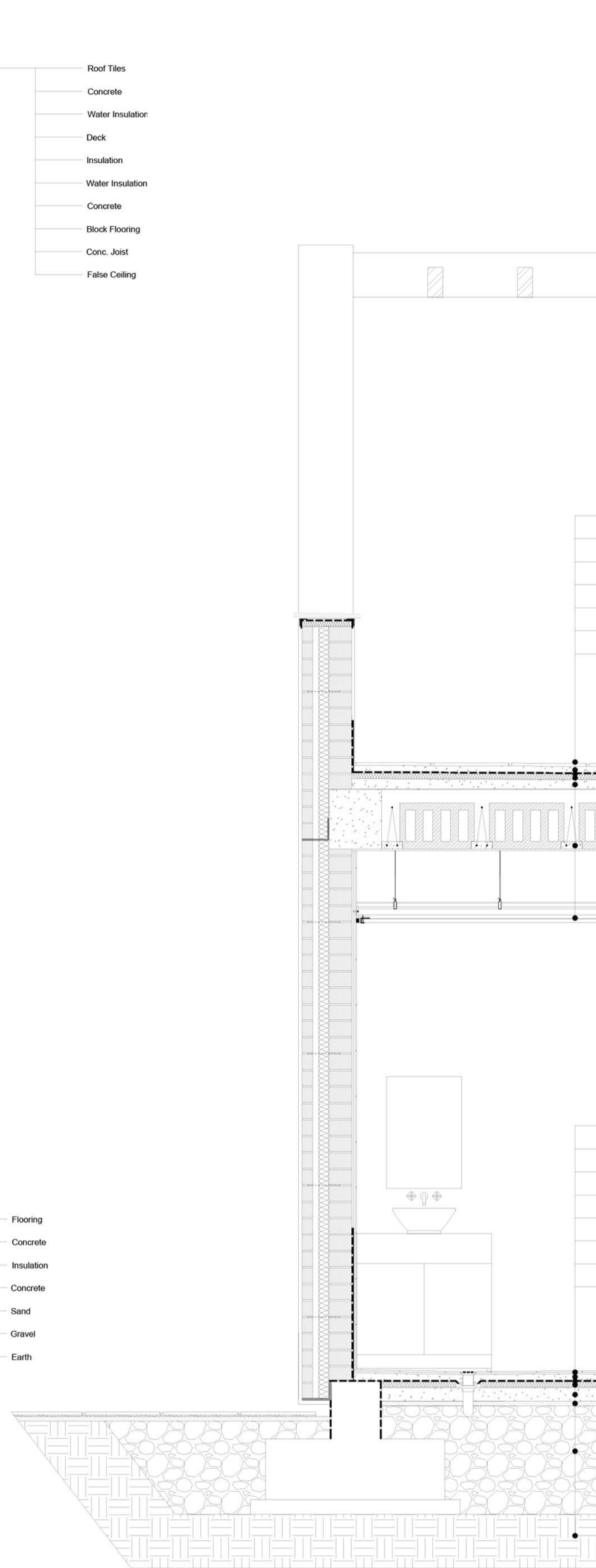




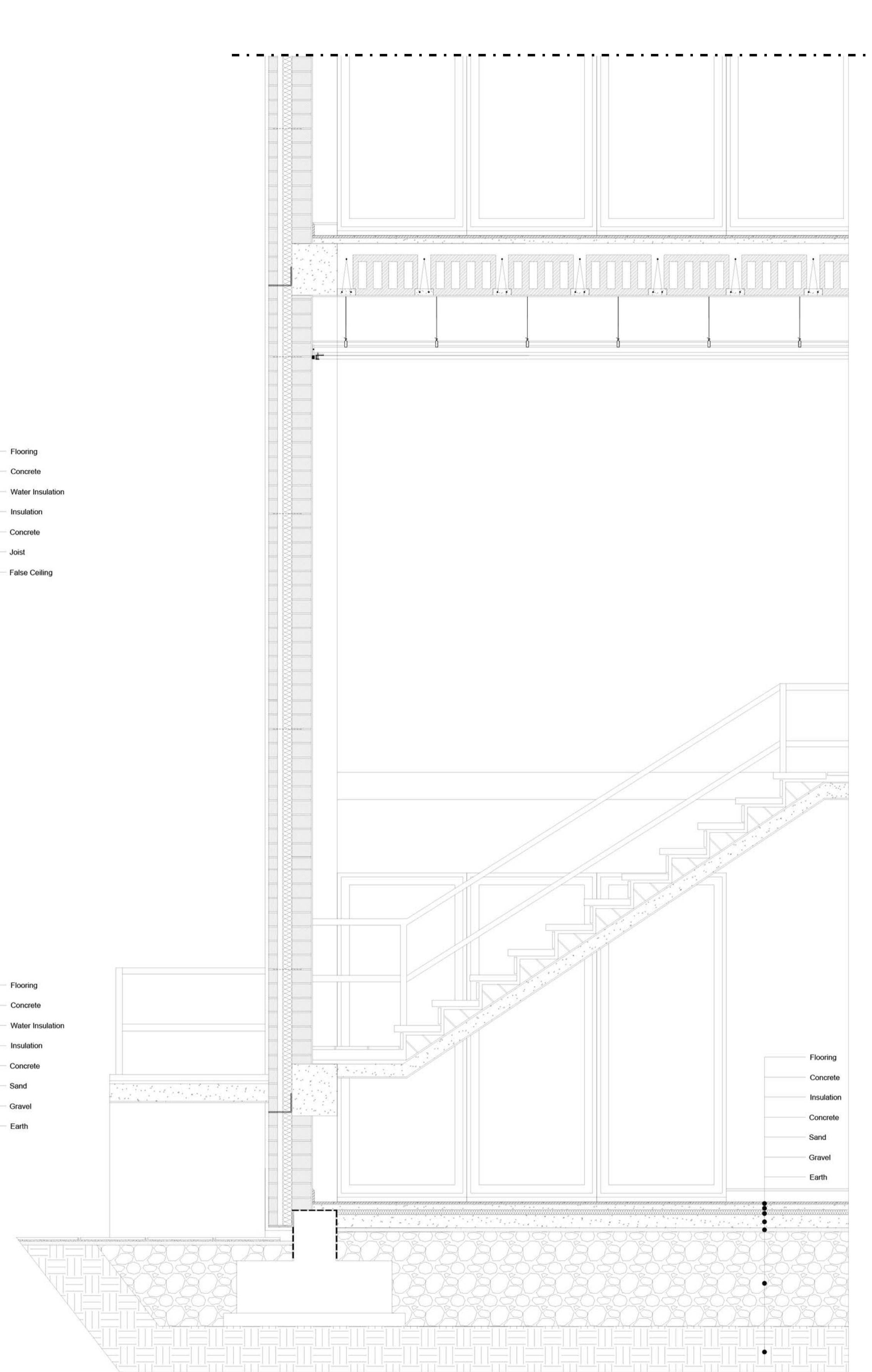
Wall Section 01 1/20



Wall Section 02 1/20



Wall Section 03 1/20



Wall Section 05 1/20



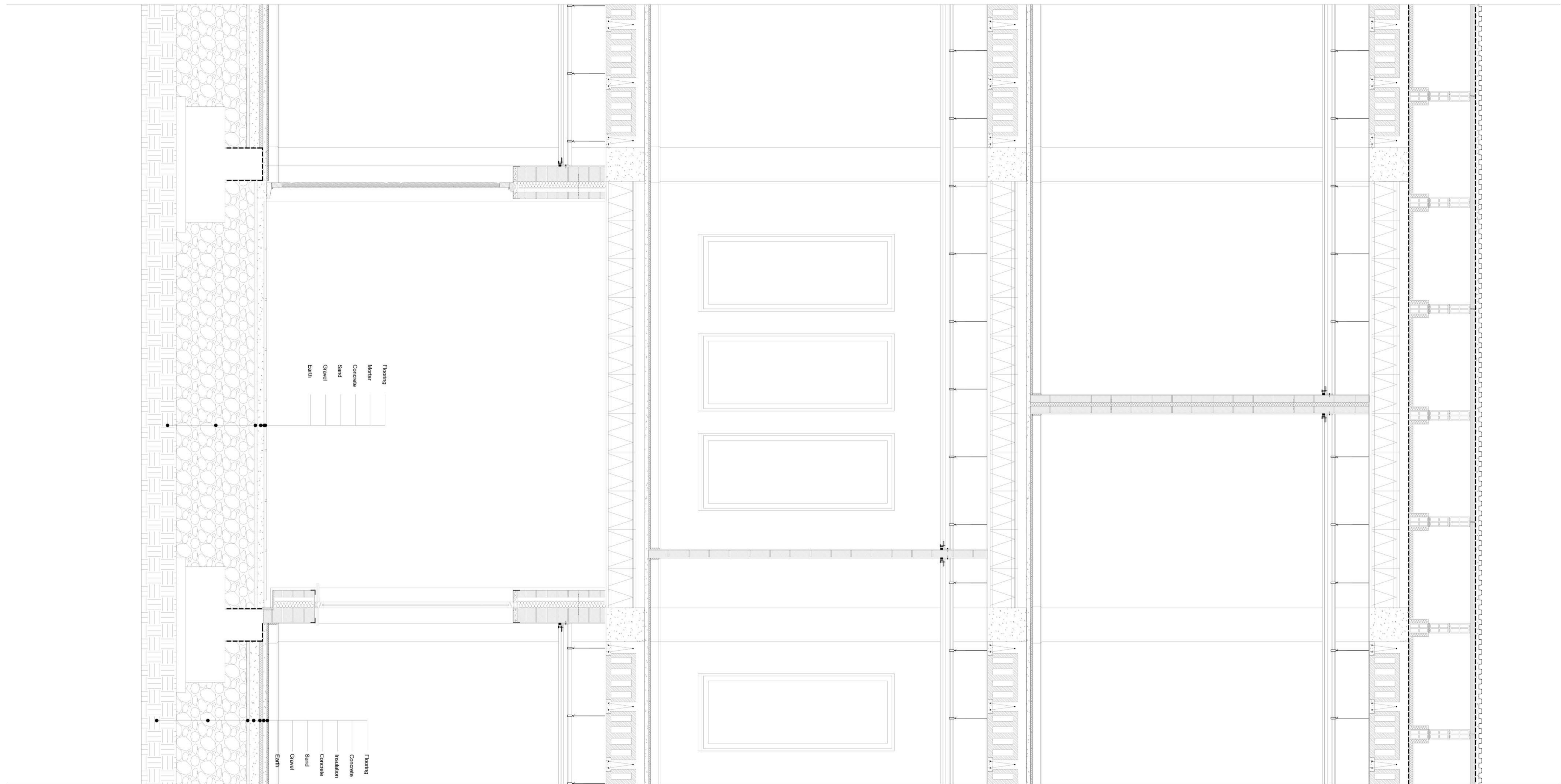
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Wall Section 04 1/20



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