
HOUSES OF

AHMEDABAD

MEASURED DRAWINGS

IAPNU • STUDIO II • 2019-20



View of the Courtyard- House 1990

HOUSE 1990

JADA BHAGAT NI POL

Samruddhi Vyas, Nirav Chawda

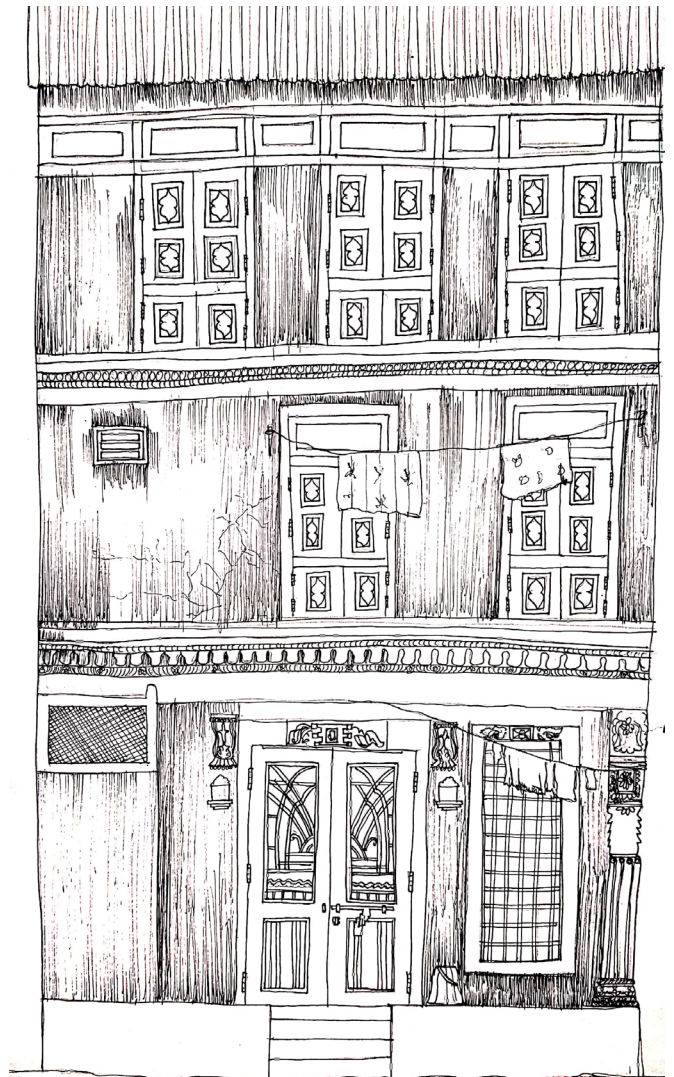
The epitome of rustic heritage, House 1990 is a residence in the very narrow yet cosy street of Jada Bhagat Ni Pol, opposite Chipa Ni Pol. This three storied building was constructed in 1872.

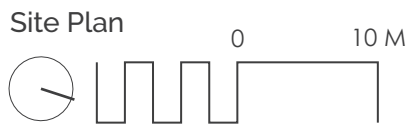
The house facade embodies simplicity and is surrounded by houses adjacently on both the longitudinal sides. Two streets run parallel along the front and back of the house.

The House 1990 is shaded by the house in front of it and the major source of light- the courtyard, lets the light in.

Small changes like painting of walls and roof maintenance in the drawing room and store room on the first floor were done recently and as such no major renovation was done to the house.

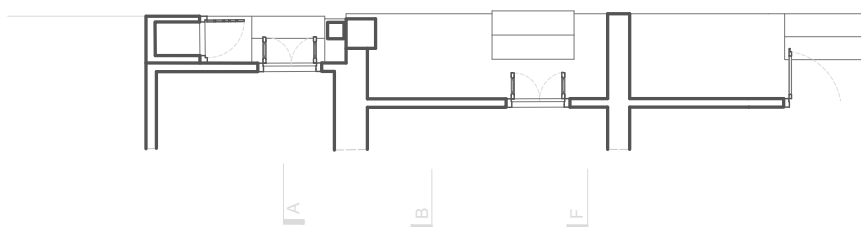
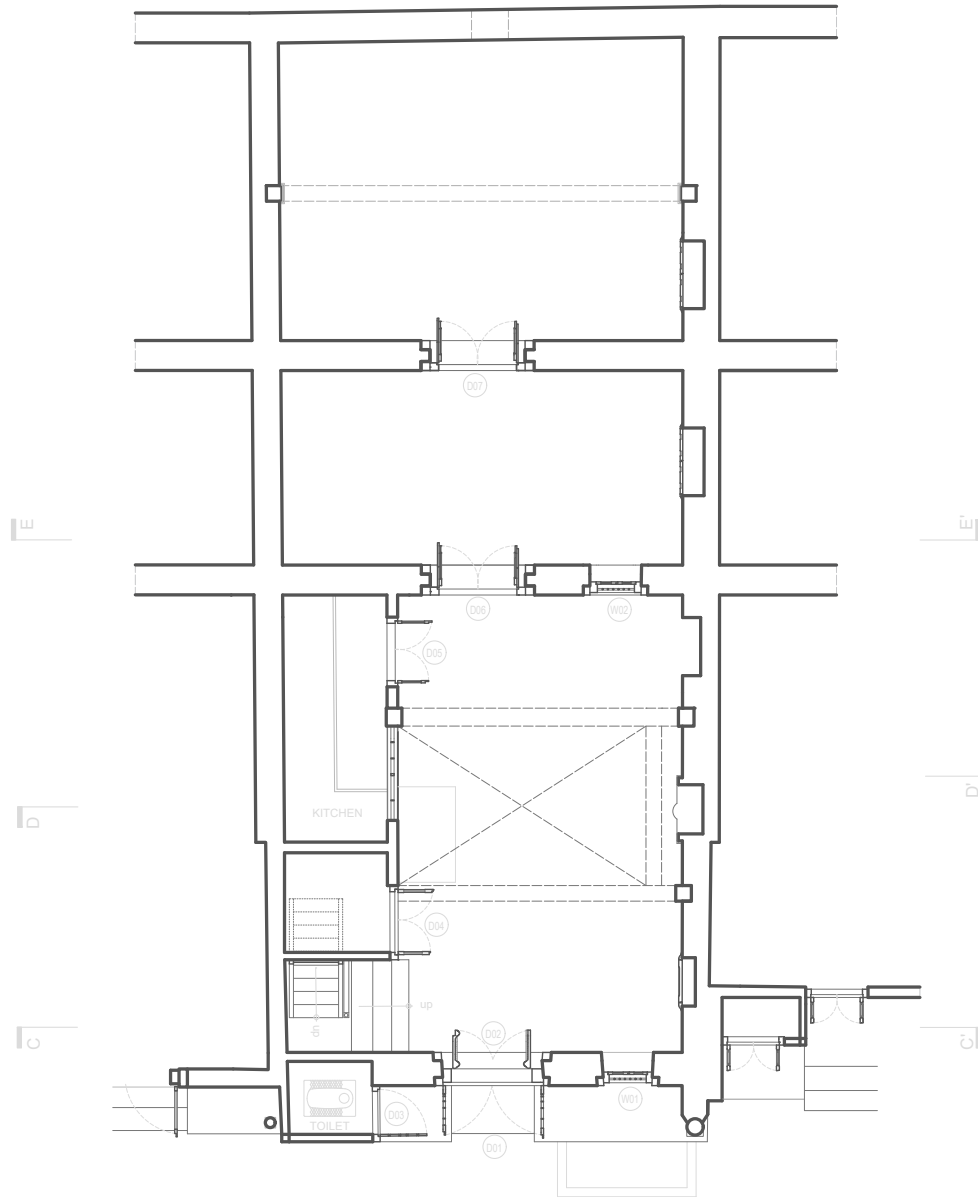
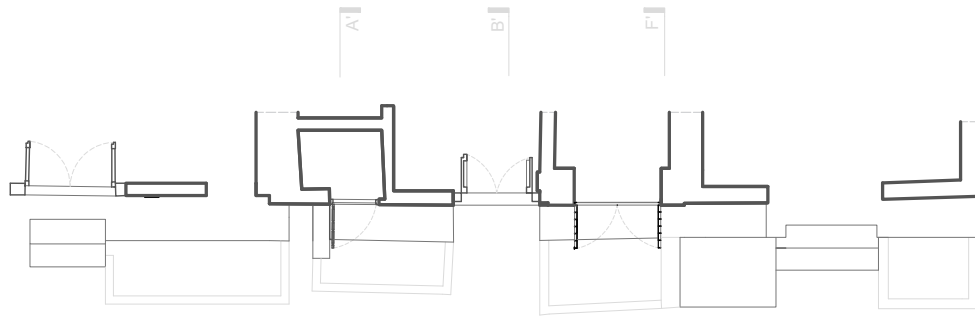
The current residents, a joint family of 9 members, have inherited this house by their ancestors who also built it. They run a pant shop and use the less approachable areas of house as store room for the goods.





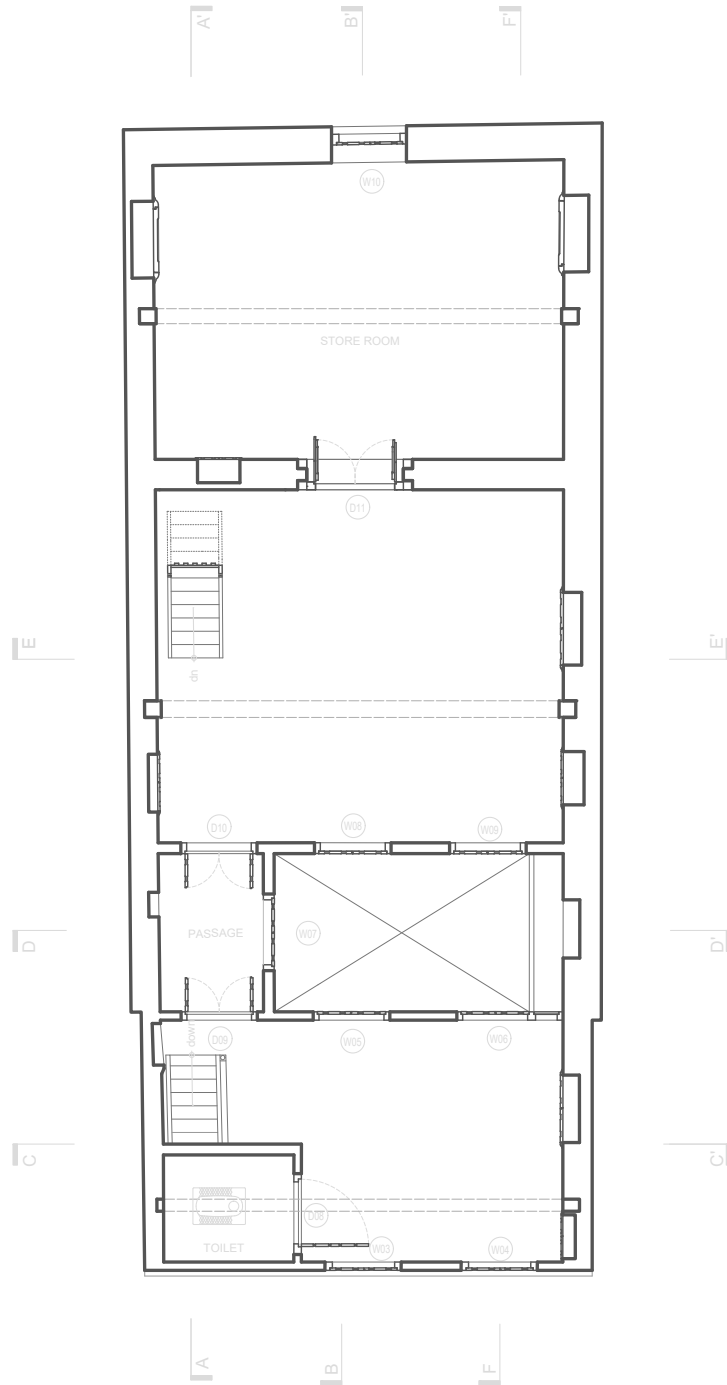
Bottom, Left to Right:
 View of main street approaching main gate,
 Views of street parallel to the house axis
 from opposite sides.





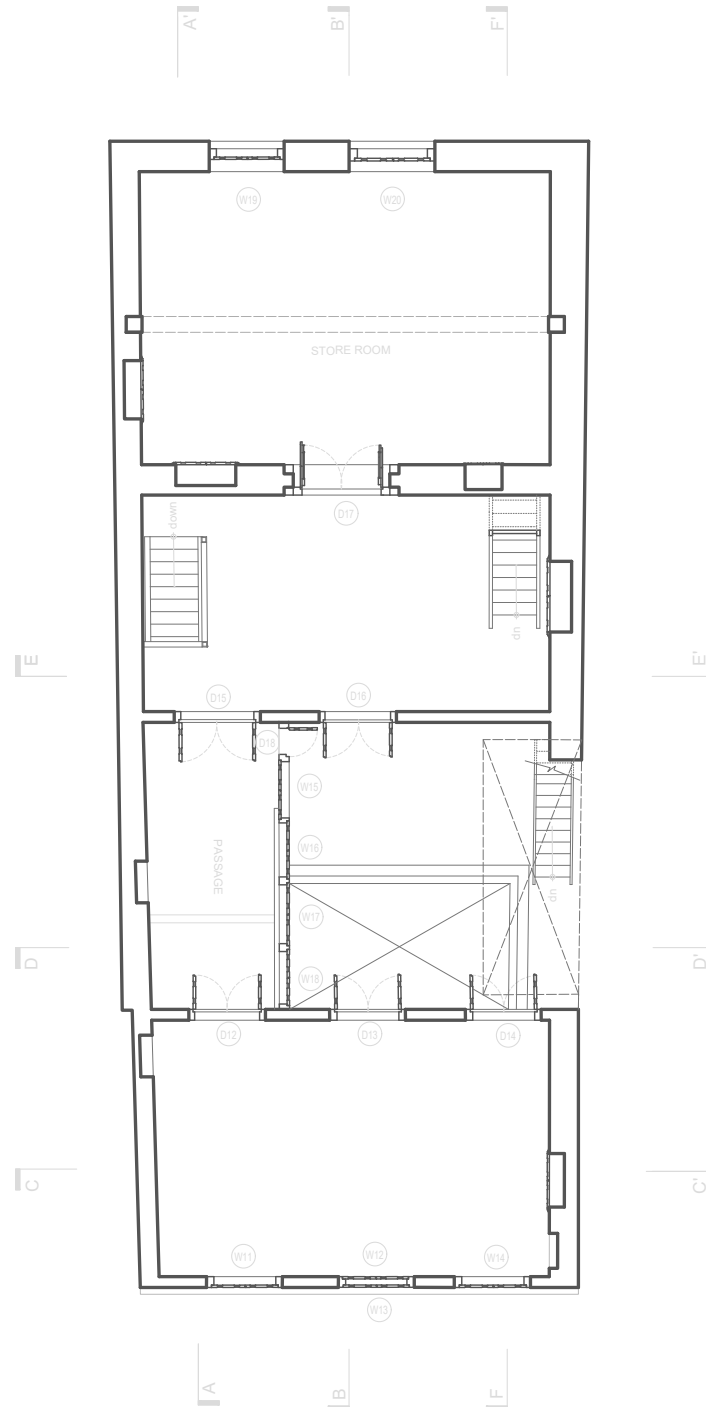
Ground Floor Plan





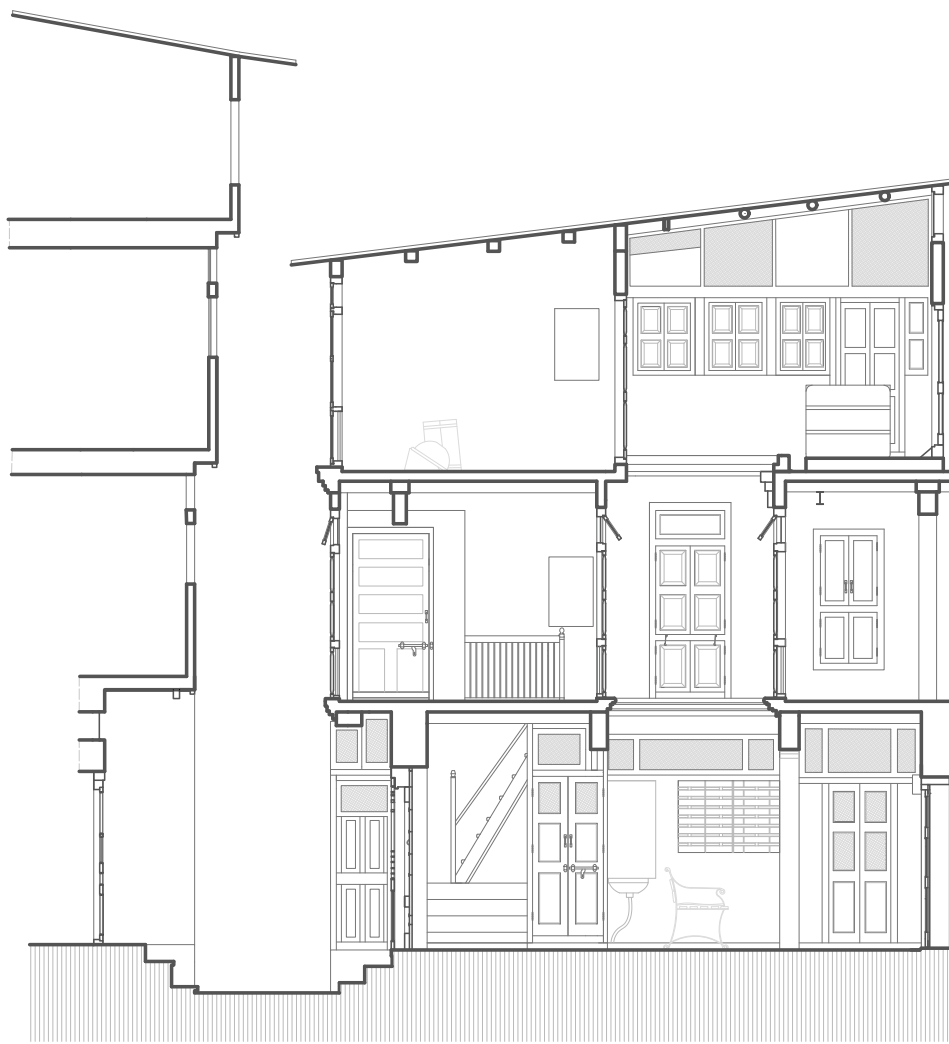
First Floor Plan



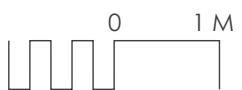


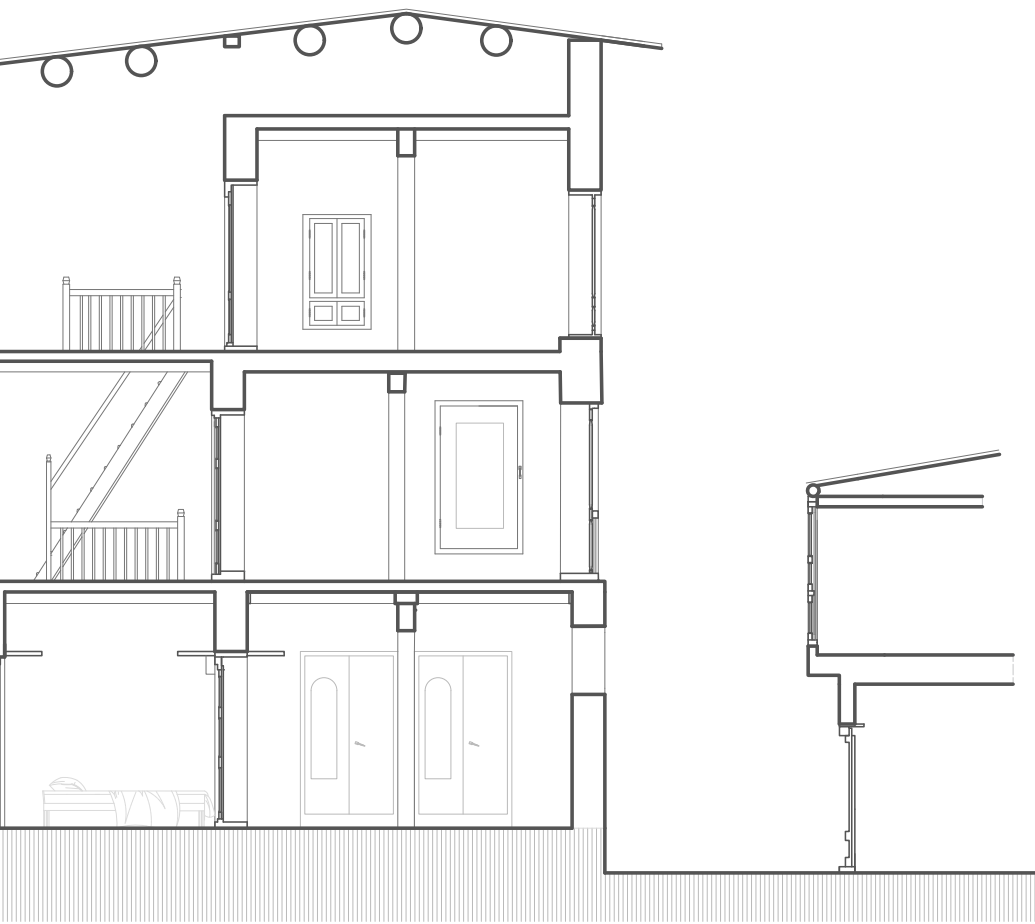
Second Floor Plan

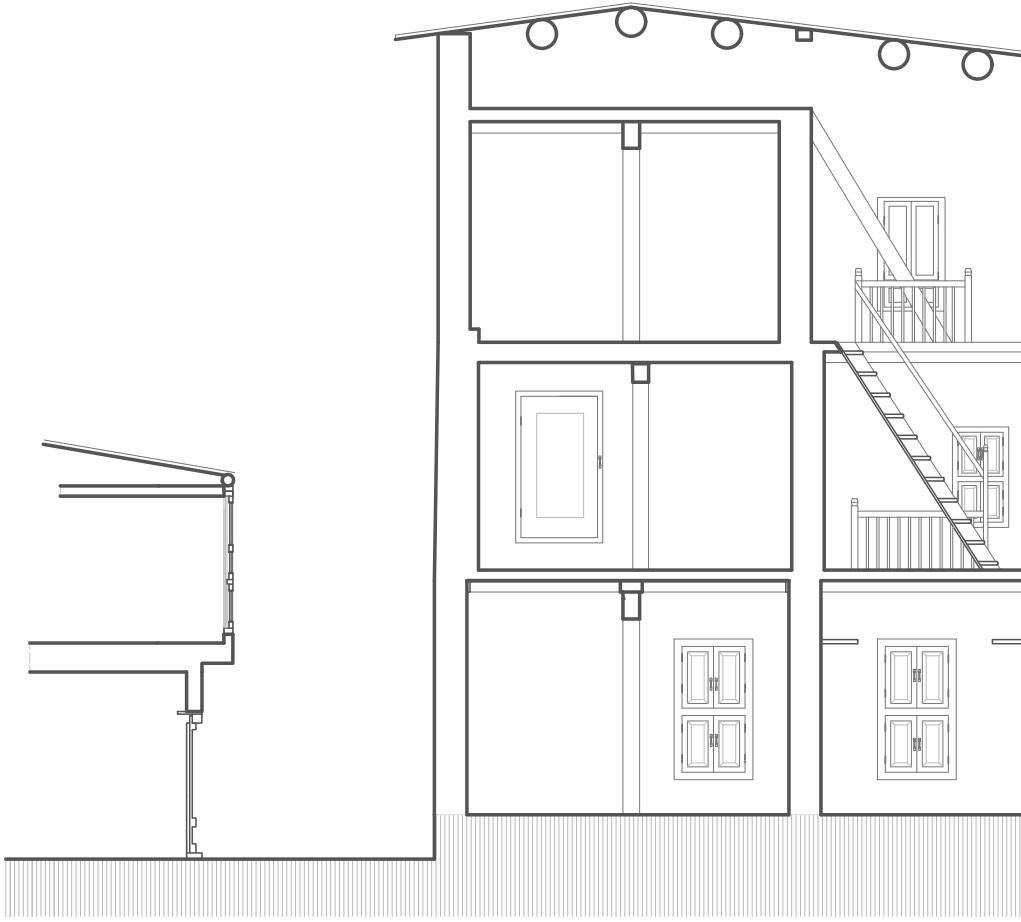




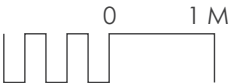
Section BB'



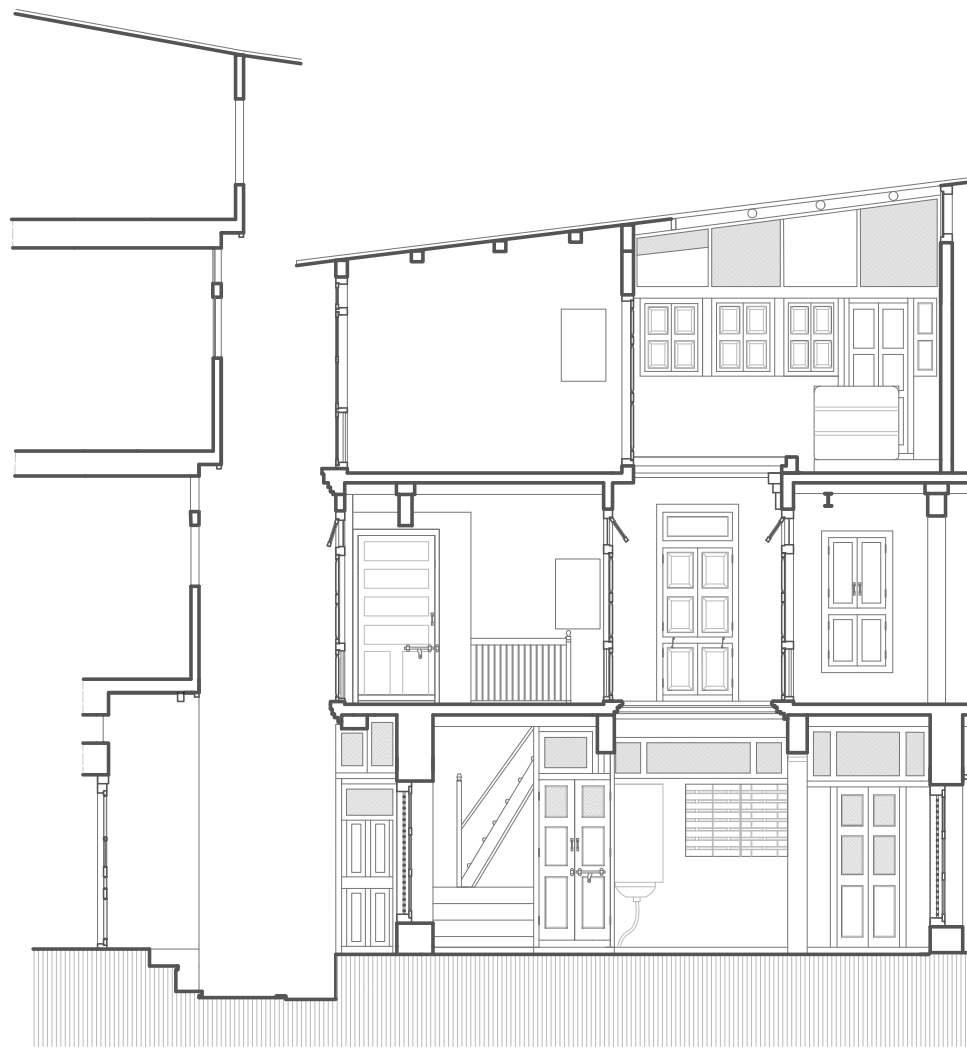




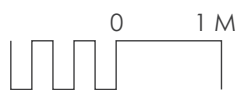
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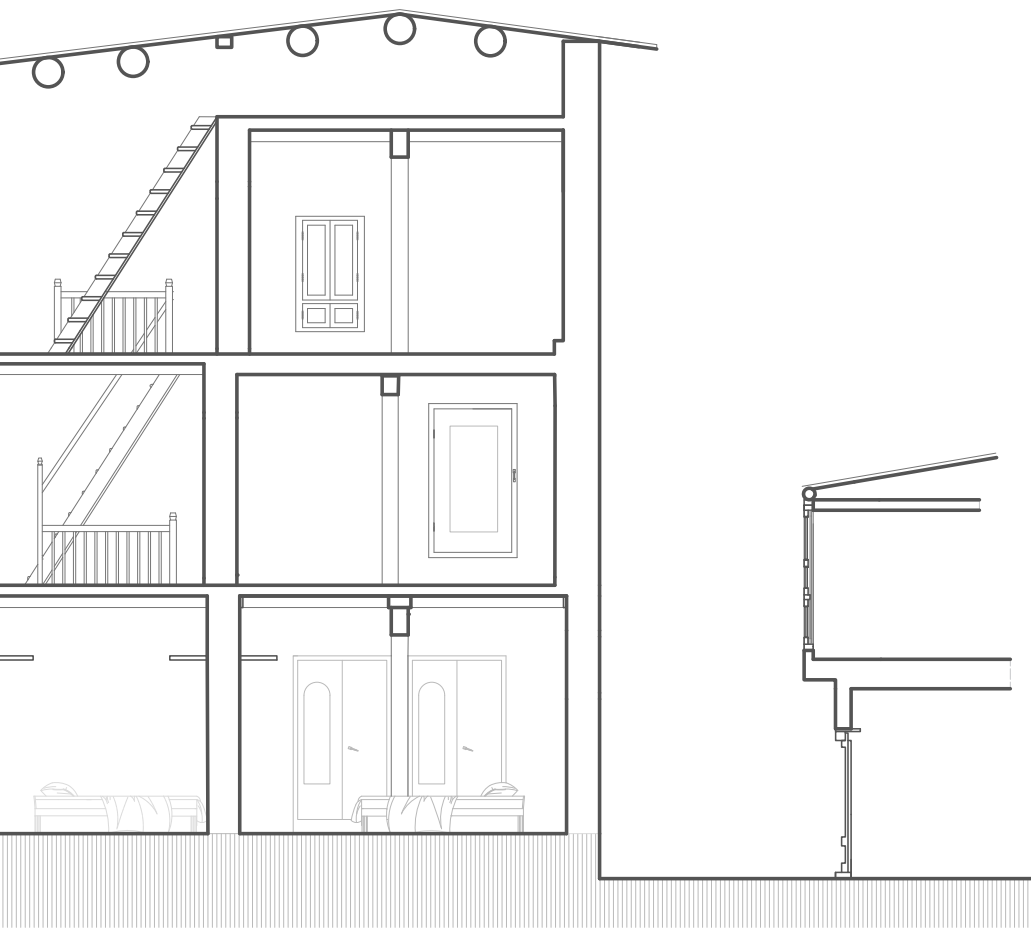






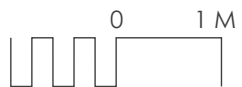
Section FF'





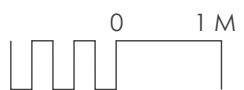


Elevation



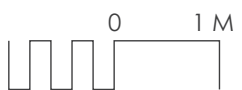


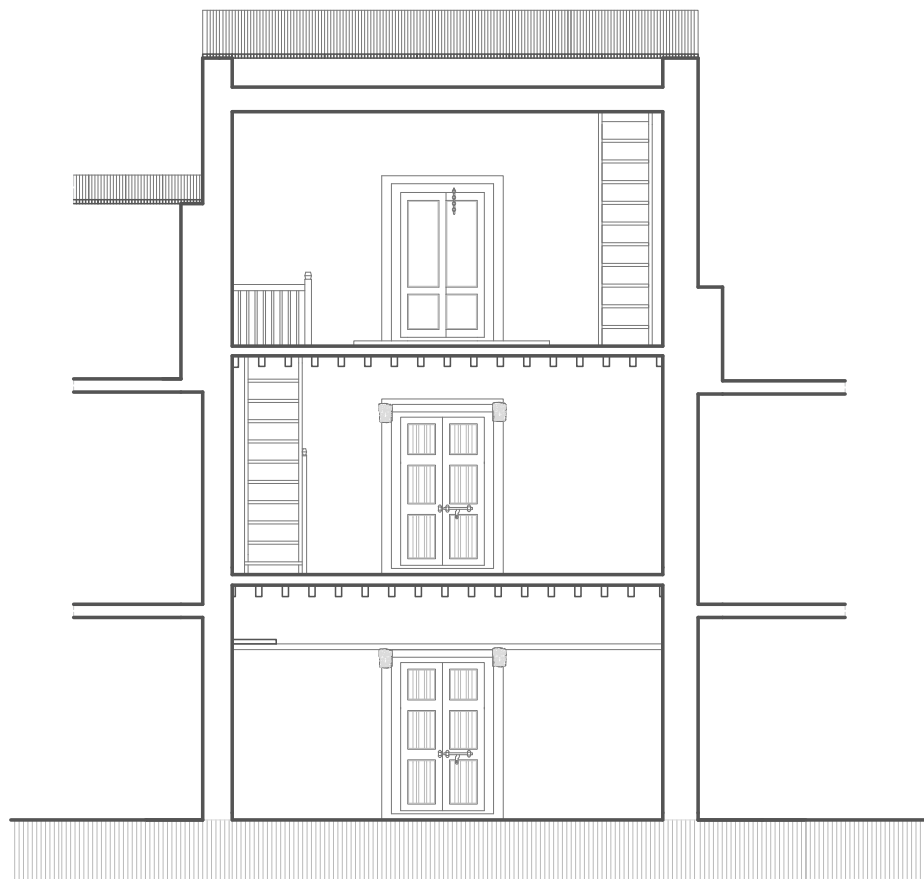
Section CC'



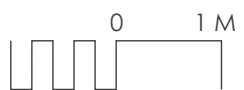


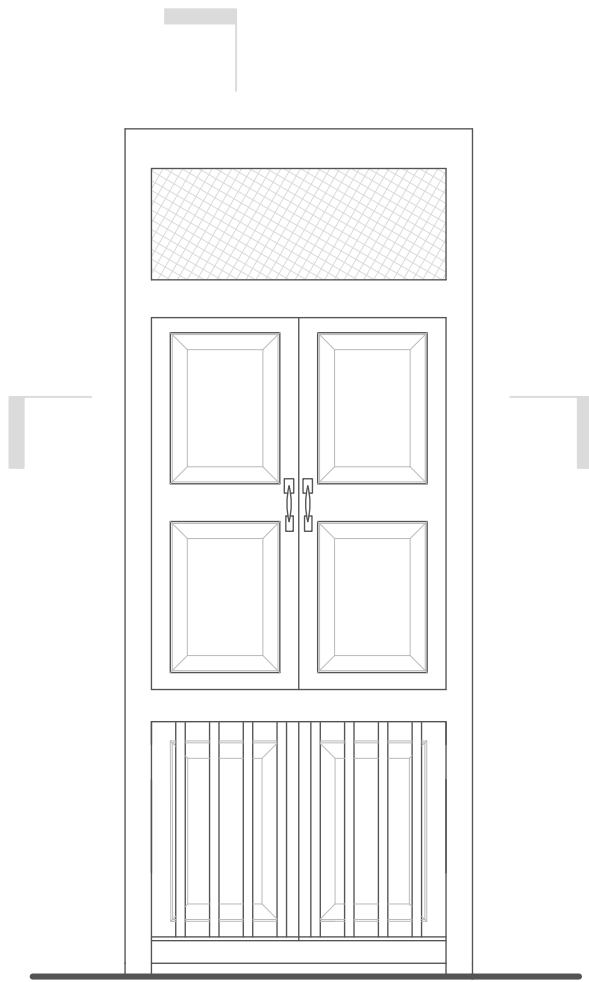
Section DD'



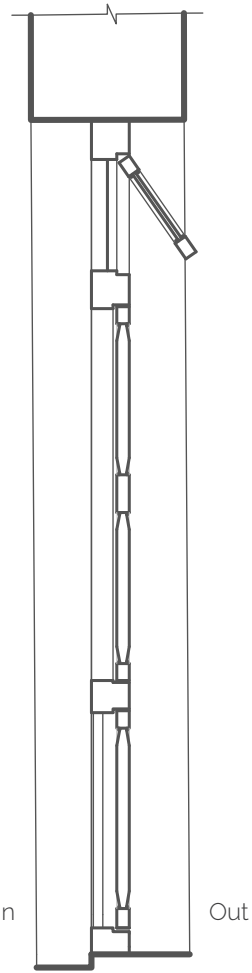


Section EE'

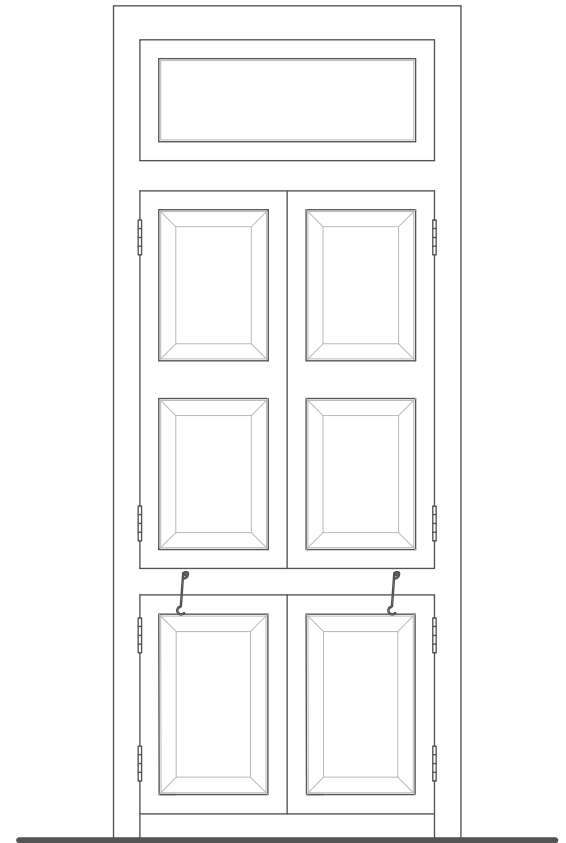




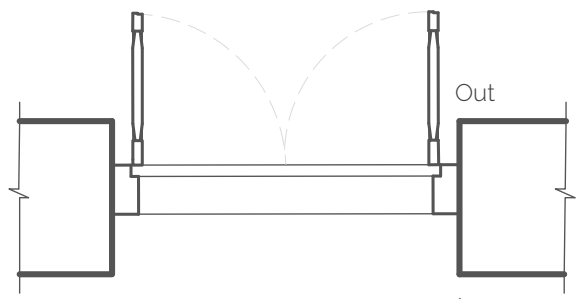
Front Elevation



Section

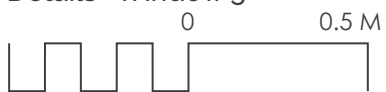


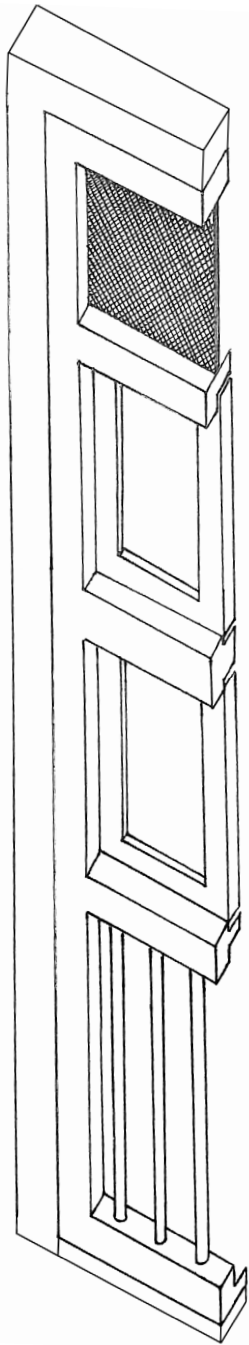
Back Elevation



Plan

Details- Window 5



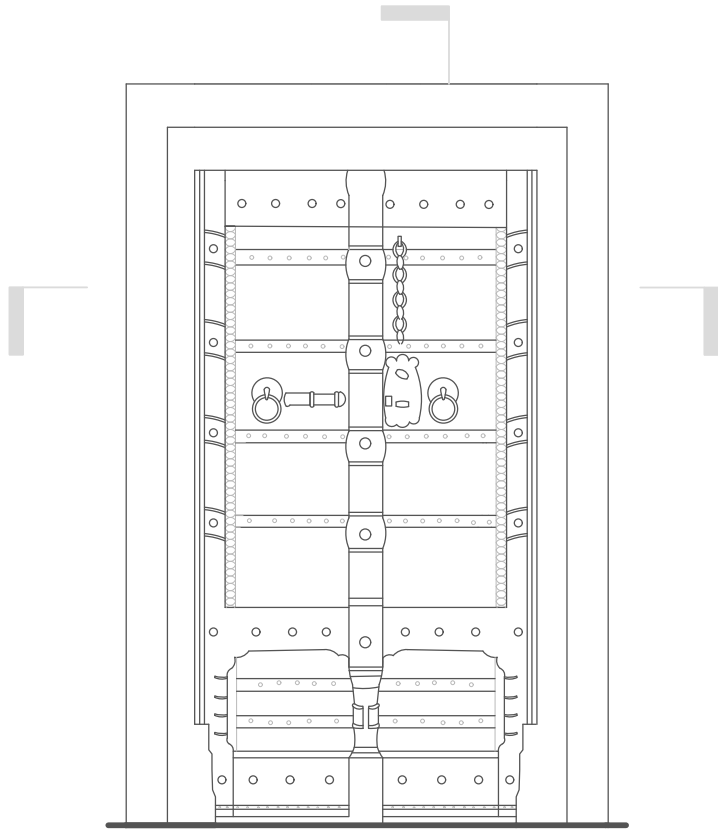


Axonometric draft

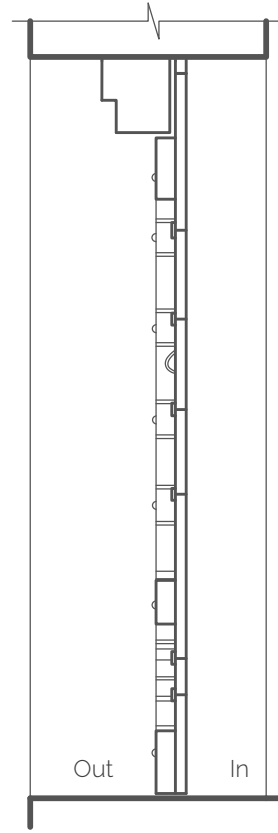


Window-5

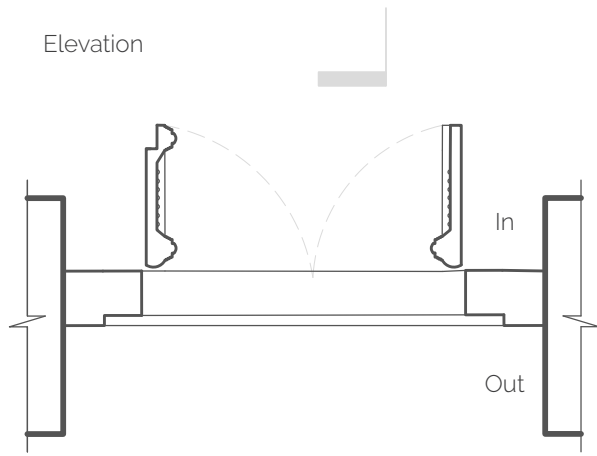
Details- Window 5



Elevation

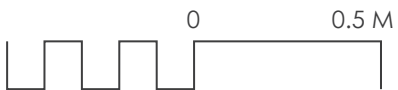


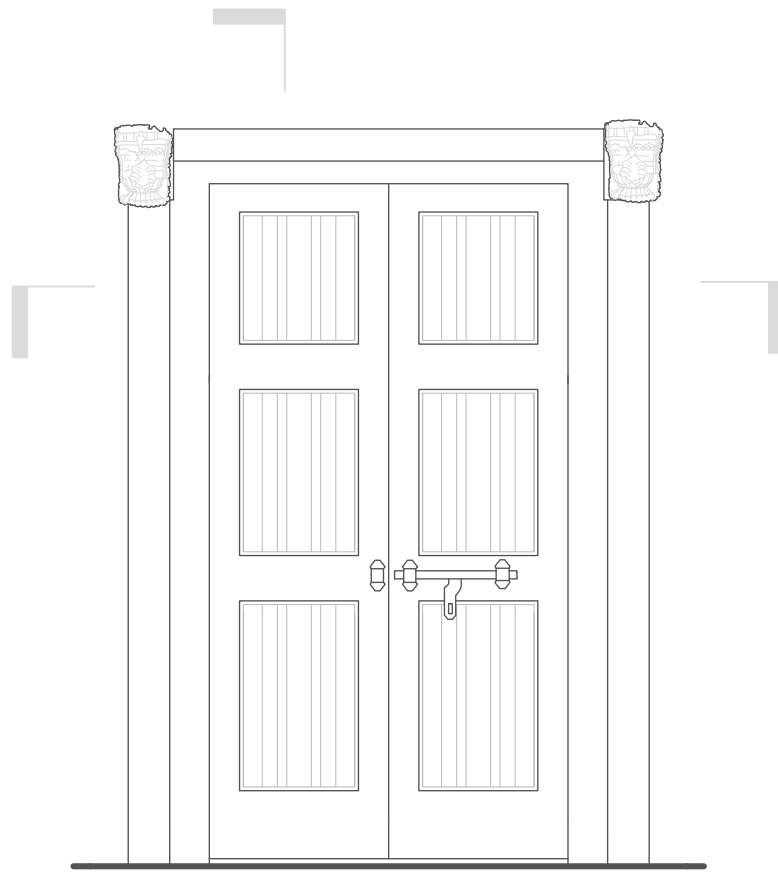
Section



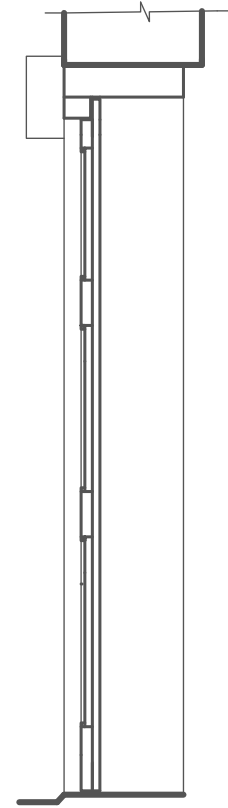
Plan

Details- Door 2

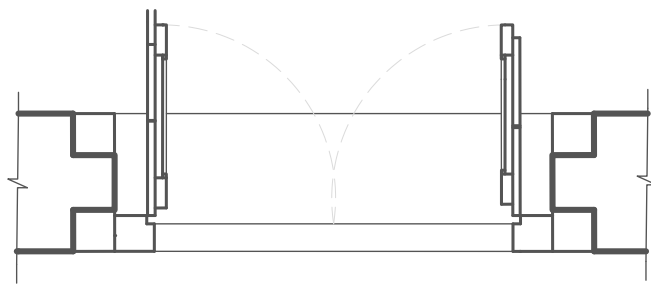




Elevation



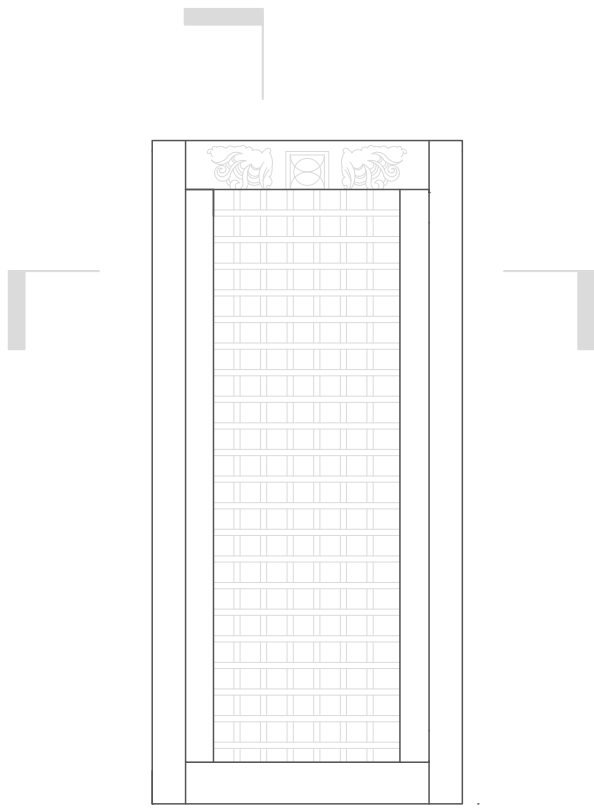
Section



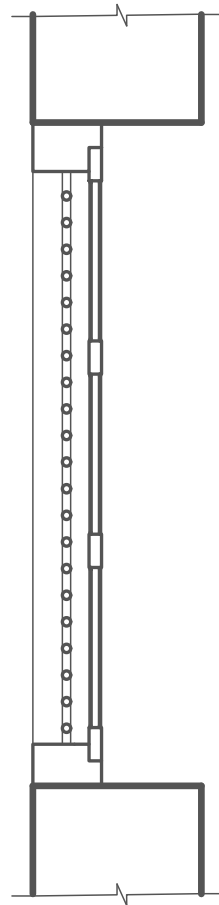
Plan

Details- Door 6

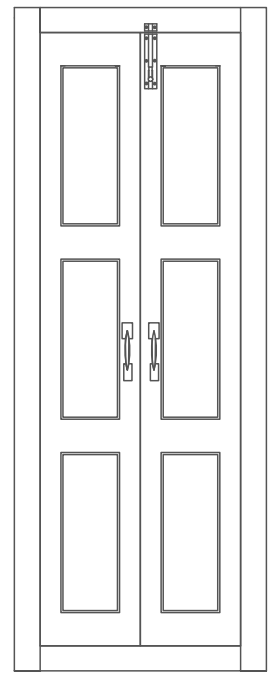




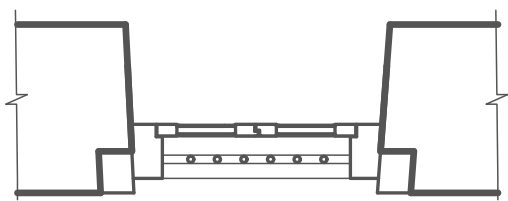
Front Elevation



Section

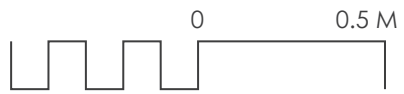


Back Elevation



Plan

Details- Window 1



CORRUGATED SHEET
AS ROOFING

FLOOR SLAB

WOODEN BEAMS
SUPPORTING ROOF

METAL STAIRCASE

WOODEN JOISTS

WOODEN STAIRCASE

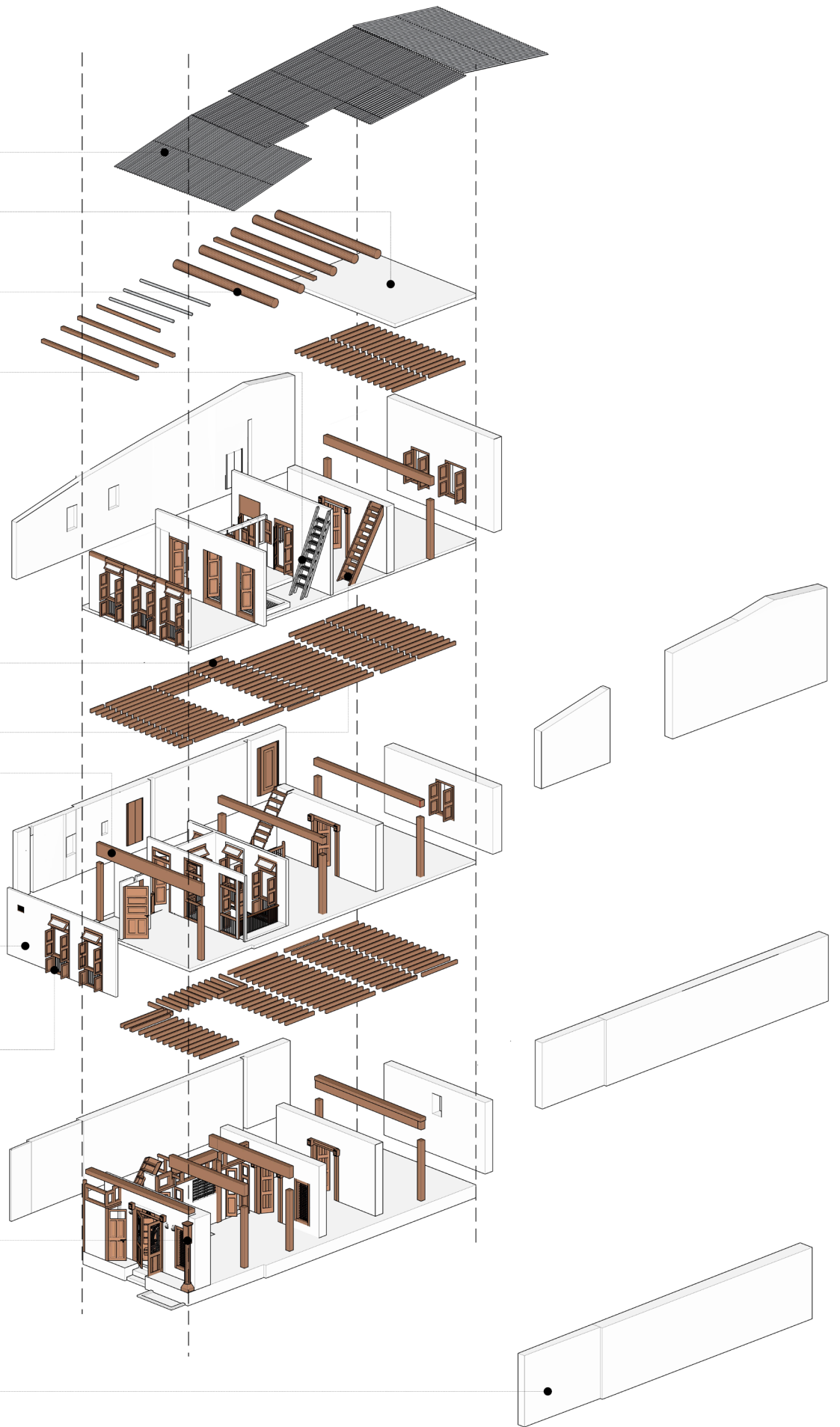
WOODEN BEAMS

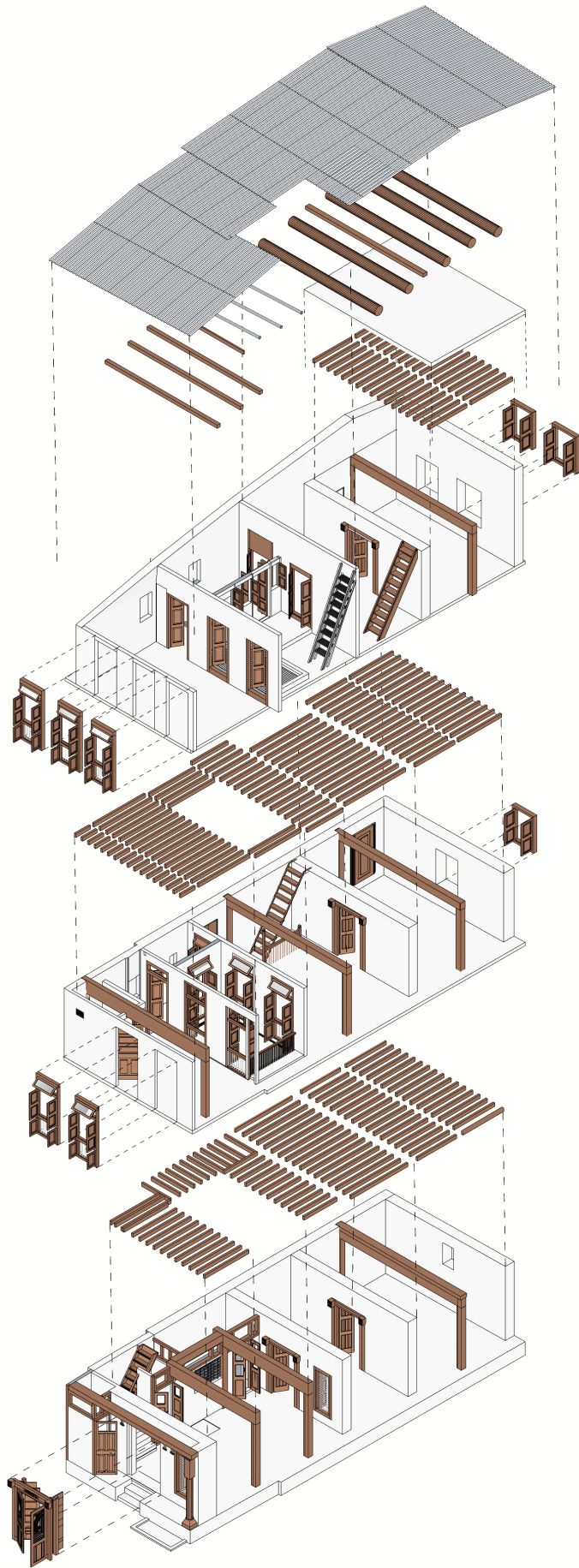
BRICK INFILL WALL

WOODEN WINDOW
FRAMES WITH METAL
GRILL RAILING

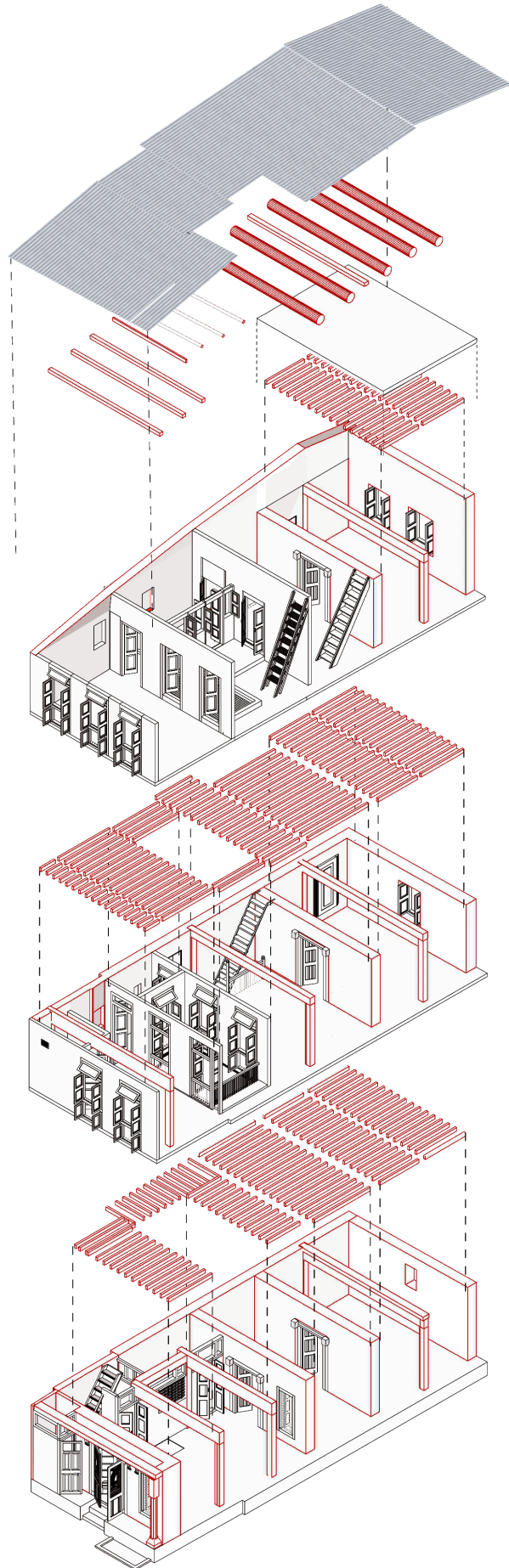
WOODEN COLUMN

BRICK MASONRY
WALL





Exploded Isometric



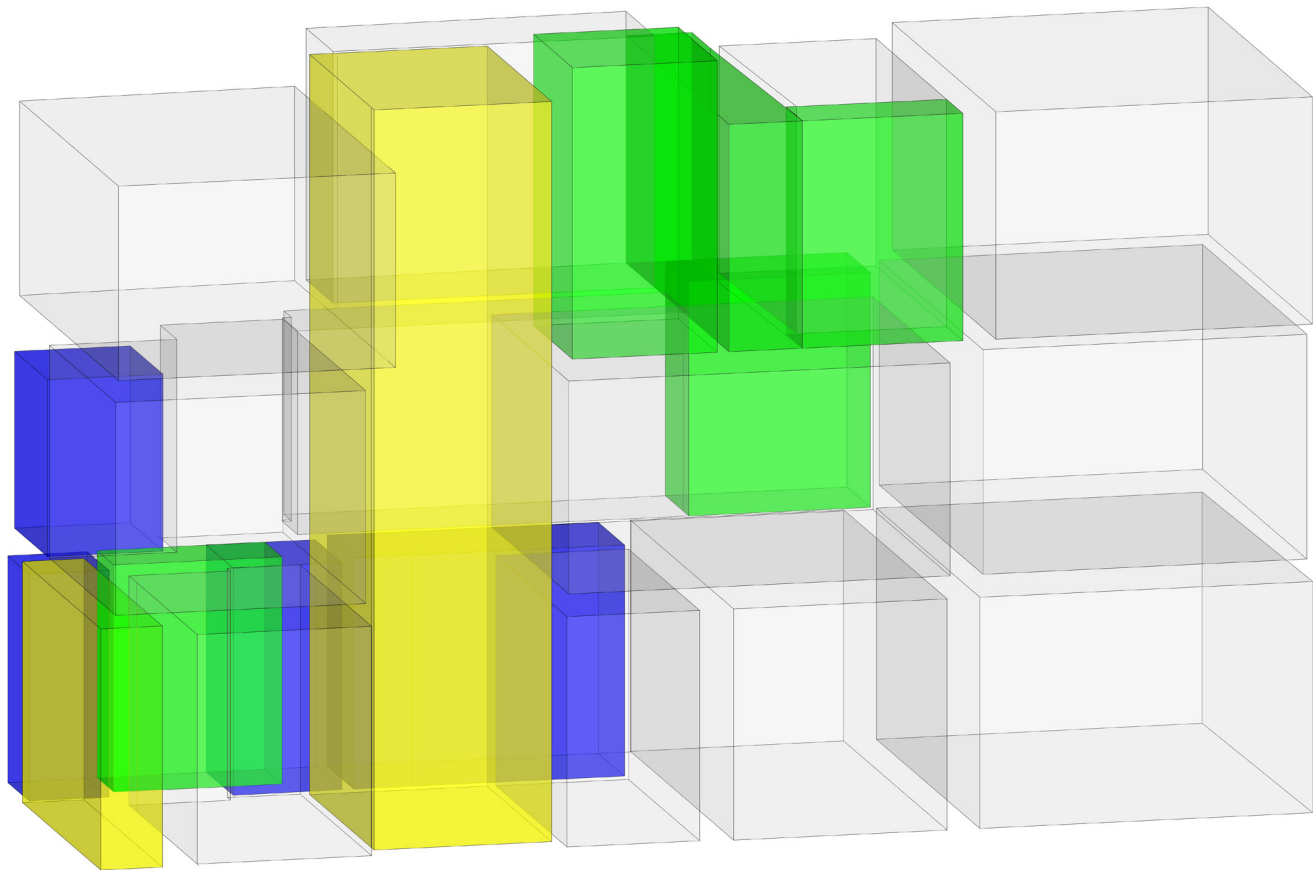
Structural Analysis Model

 Structural Element



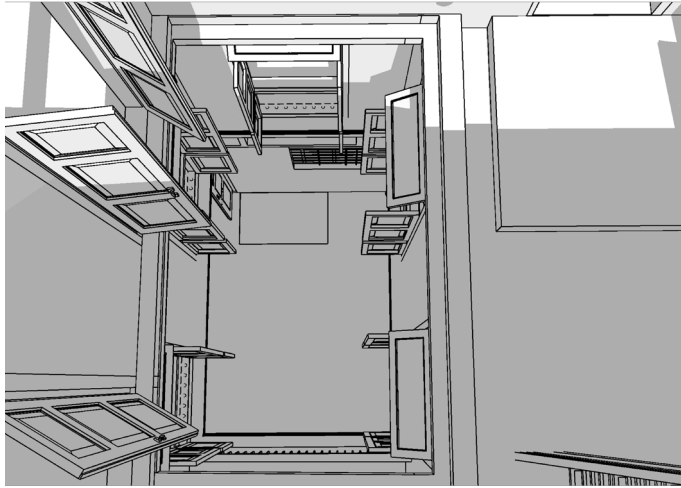
- Light Source
- Vertical Circulation
- Services
- Occupied Space

Volumetric Analysis Model

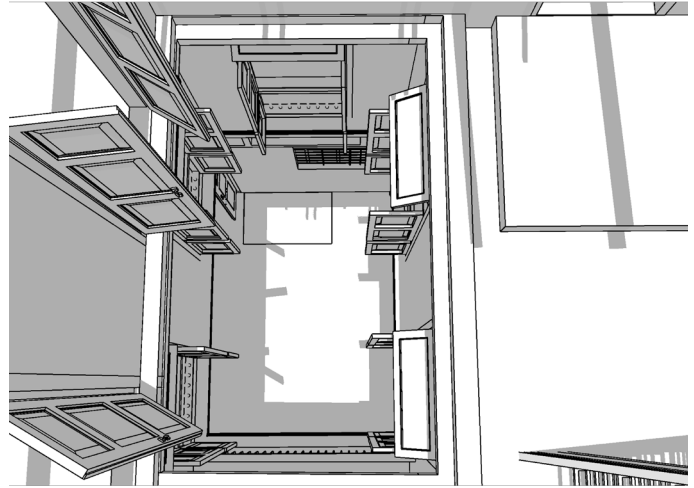


Volumetric Analysis Model

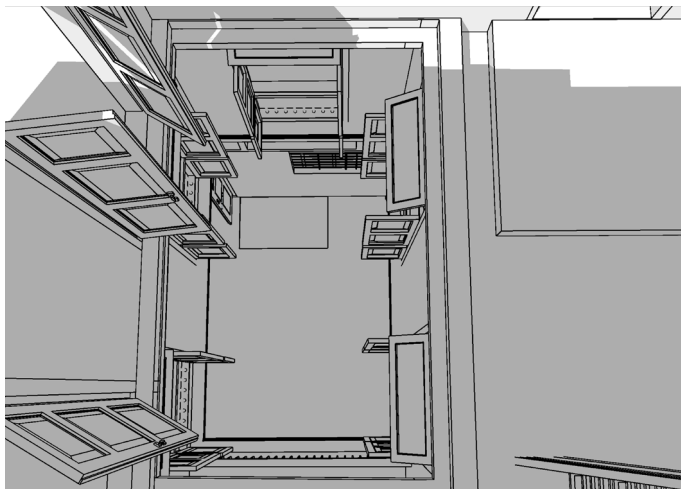
- Light Source
- Vertical Circulation
- Services
- Occupied Space



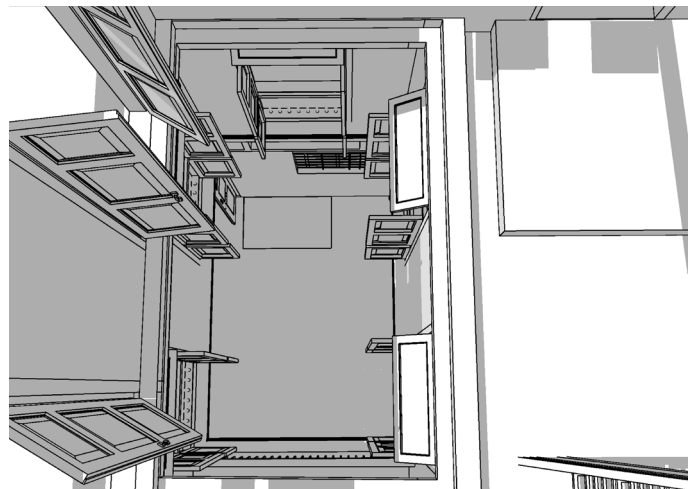
21 June, 10:00 AM



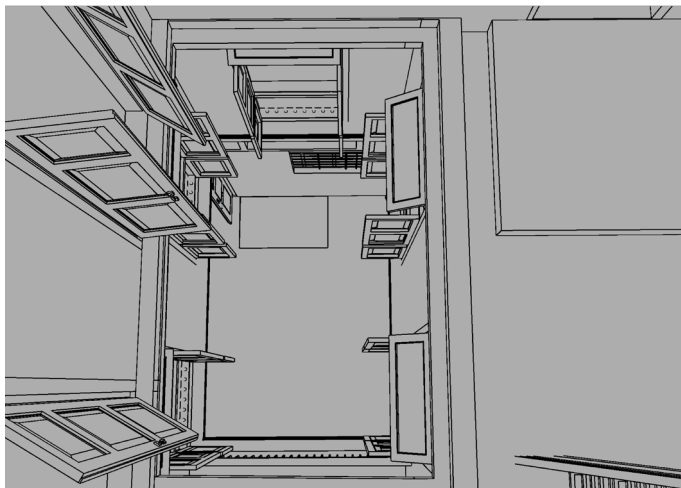
21 June, 12:00 PM



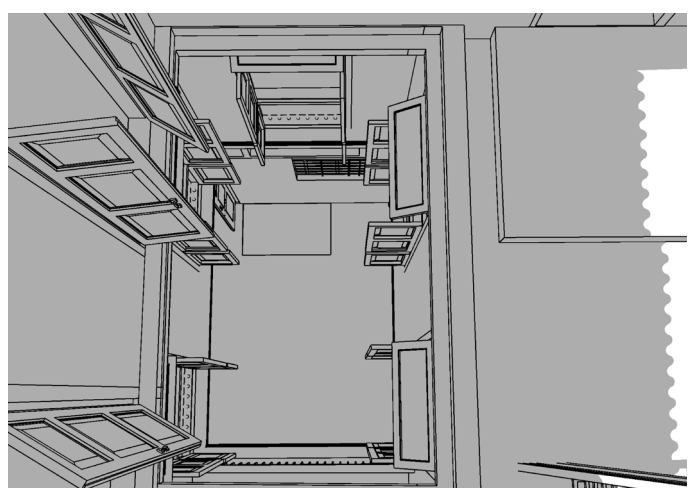
23 September, 10:00 AM



23 September, 12:00 PM

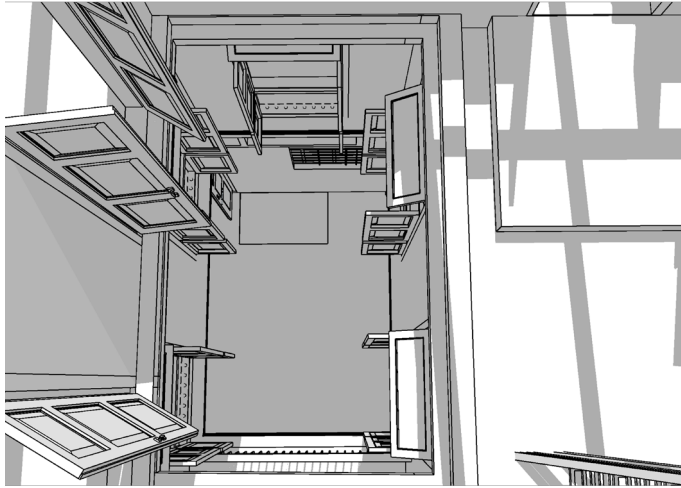


22 December, 10:00 AM

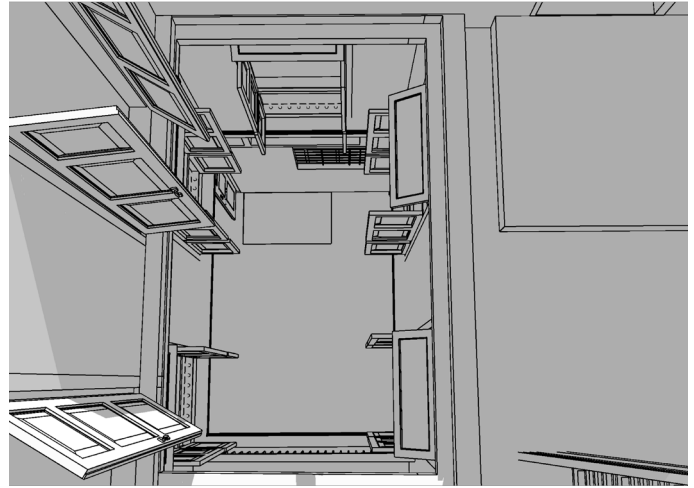


22 December, 12:00 PM

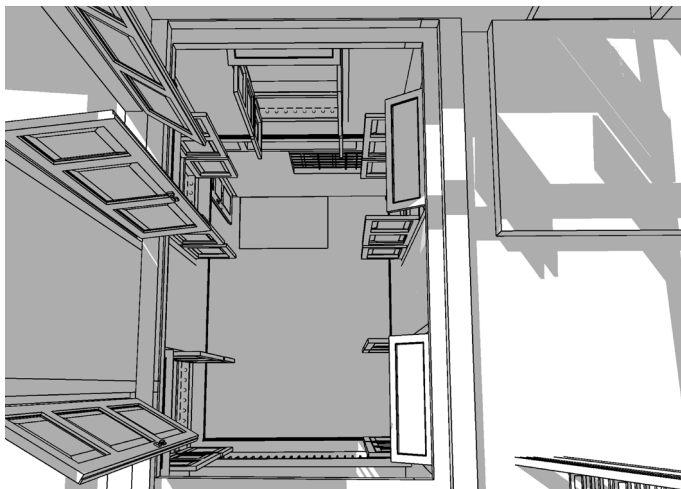
Shadow Analysis- Elevation



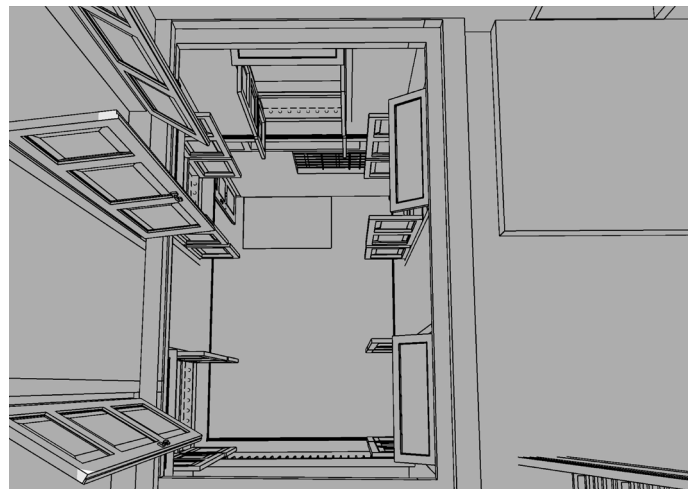
21 June, 2:00 PM



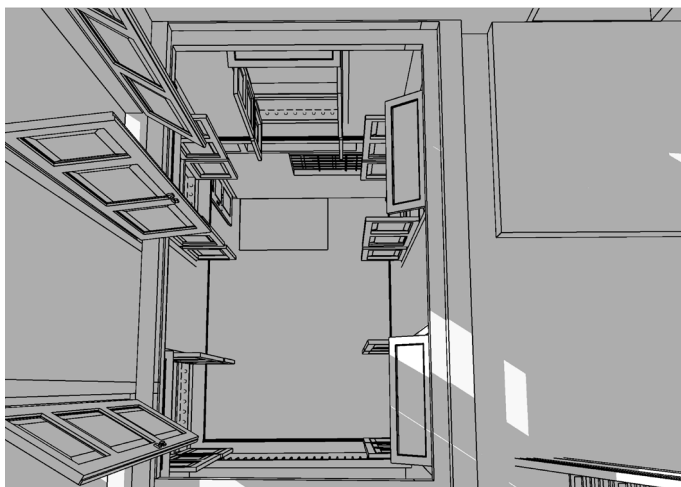
21 June, 4:00 PM



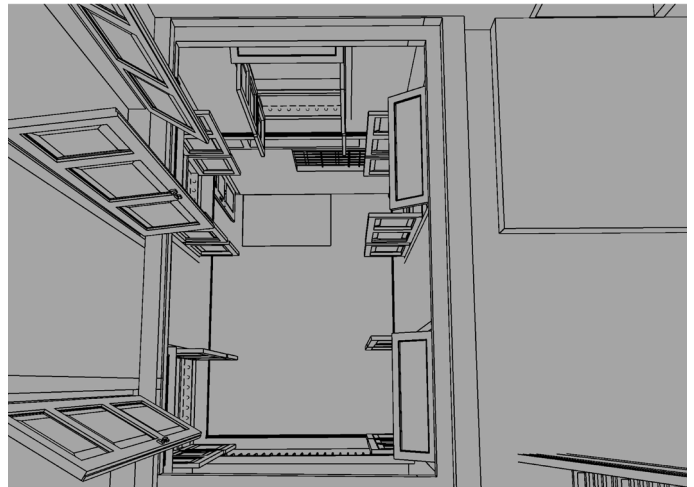
23 September, 2:00 PM



23 September, 4:00 PM



22 December, 2:00 PM



22 December, 4:00 PM

Shadow Analysis- Elevation



21 June, 10:00 AM



21 June, 12:00 PM



23 September, 10:00 AM



23 September, 12:00 PM



22 December, 10:00 AM



22 December, 12:00 PM

Shadow Analysis- Elevation



21 June, 2:00 PM



21 June, 4:00 PM



23 September, 2:00 PM



23 September, 4:00 PM



22 December, 2:00 PM



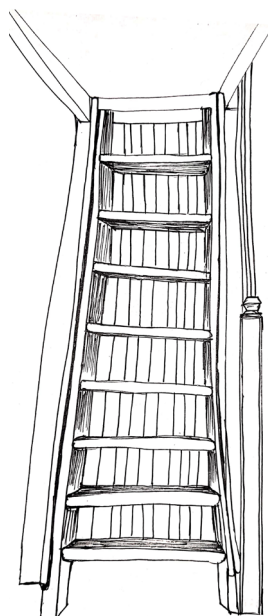
22 December, 4:00 PM

Shadow Analysis- Elevation



Left: Perspective sketch of drawing room from the main door.

Bottom Left to Right: Perspective sketches of: Room on first floor, Staircase on first floor, Room on second floor.





Above: The view of main street leading towards the house.

A chawk which almost centres the pol is a gathering space of people. The usual lifestyle of people starts around 9 am when the people leave for work , the kids go to the school and the housewives and elderly do the house chores. The most common place for the women here to talk is the oatla and the chawk. The oatla facilitates as shaded seating and the chawk provides as a parking space for the residents and the people who come here.

Owners and Usage pattern of the house : The residents belong to a marvadi family which is branched into 9 members : An elderly couple who own the house, their two sons and their respective families.

Occupation and activity: The elderly couple is unemployed and usually help in the house chores with the housewives. The two sons run a business of selling pants to shops and use the less approached places of the house as storage places of the goods. Their kids go to the same school everyday from 8 am to 1pm.

As the courtyard is the major source of light and ventilation, daily activities and gatherings take place around it.

Three sides of the courtyard are surrounded by windows while fourth side has a railing and the path along it was primarily used for movement but is inaccessible now because of the storage goods around the path.

The floors have been divided in a way that each family lives on one floor. The rooms on the first and second floor are used as storage place of the goods.

The roof covers the courtyard so a small longitudinal cutout on the roof provides some amount of light. The roof is accessible by staircase. The kids fly kites and play on the roof. During monsoon, the residents cover the cutout with a corrugated sheet which prevents water from coming inside.



Above: Room on first floor used for storing business goods.



Above: View of courtyard from Ground Floor



Above: Roof of House

House 1990. Jada Bhagat Ni Pol



Left, Top to Bottom: Room on Ground floor, Room on First floor around courtyard, Room on Second floor around courtyard



Bottom: View of courtyard from Ground floor.

