

02

MODERN TROPICAL RESIDENCE

Residential Project | Kerala, India | Site Area : 204.19 Sq.M | Jicjak Architects

Roles : Schematic design, Design Development, Construction Drawings, BIM/Revit and AI Assisted Renderings

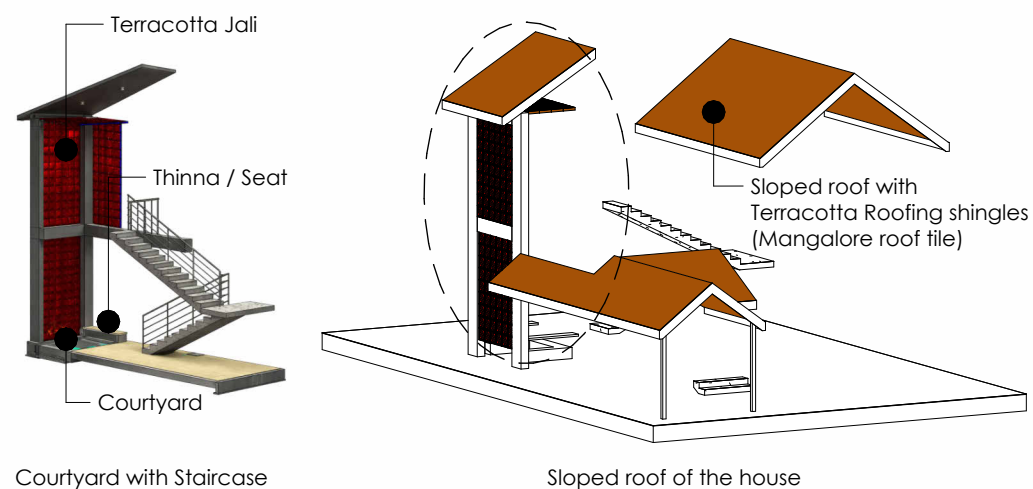
Project Description

Kerala has a warm humid climate with an average 6 month long monsoon. This home design is combined with aesthetics of modern design and traditional kerala architecture elements. The house with a built up area of 1770.97 Sq Ft, cater to modern living without compromising culture and climate responsiveness.

Climate & Cultural Response

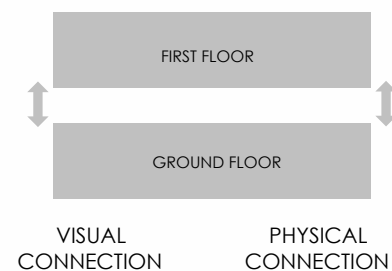
Sloped roof is ideal for the long monsoons and hot summer. The clay tiles used in the roof helps in reducing the heat gain.

The inner courtyard resembling the 'nadumuttam' (central courtyard in traditional kerala homes) forms the point of interaction.



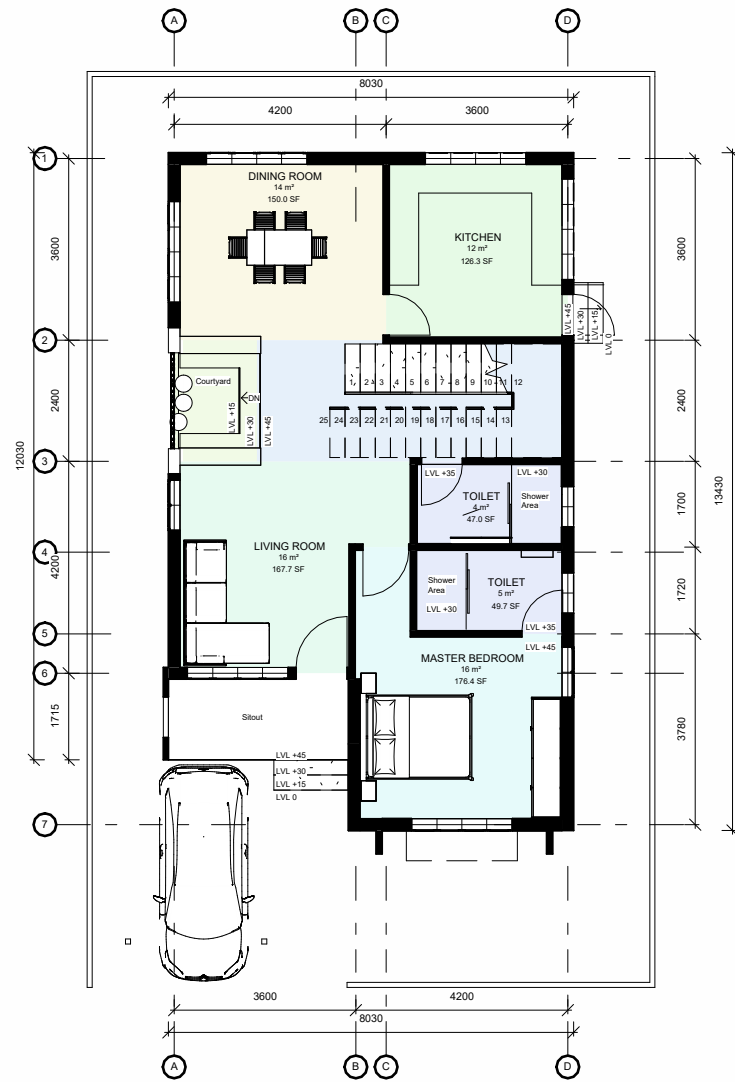
Concept

The design centers around a double-height courtyard that visually connects both floors, enhancing interaction and openness within the house. The staircase acts as a spatial spine that brings physical connection.

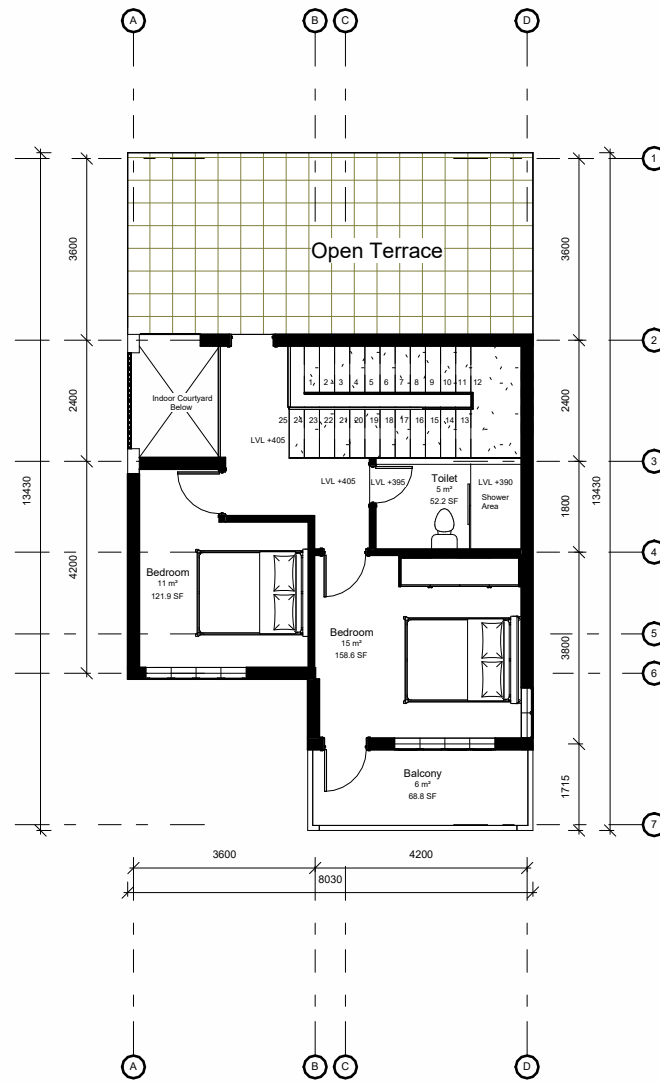


Tropical Vernacular Residence- Kerala

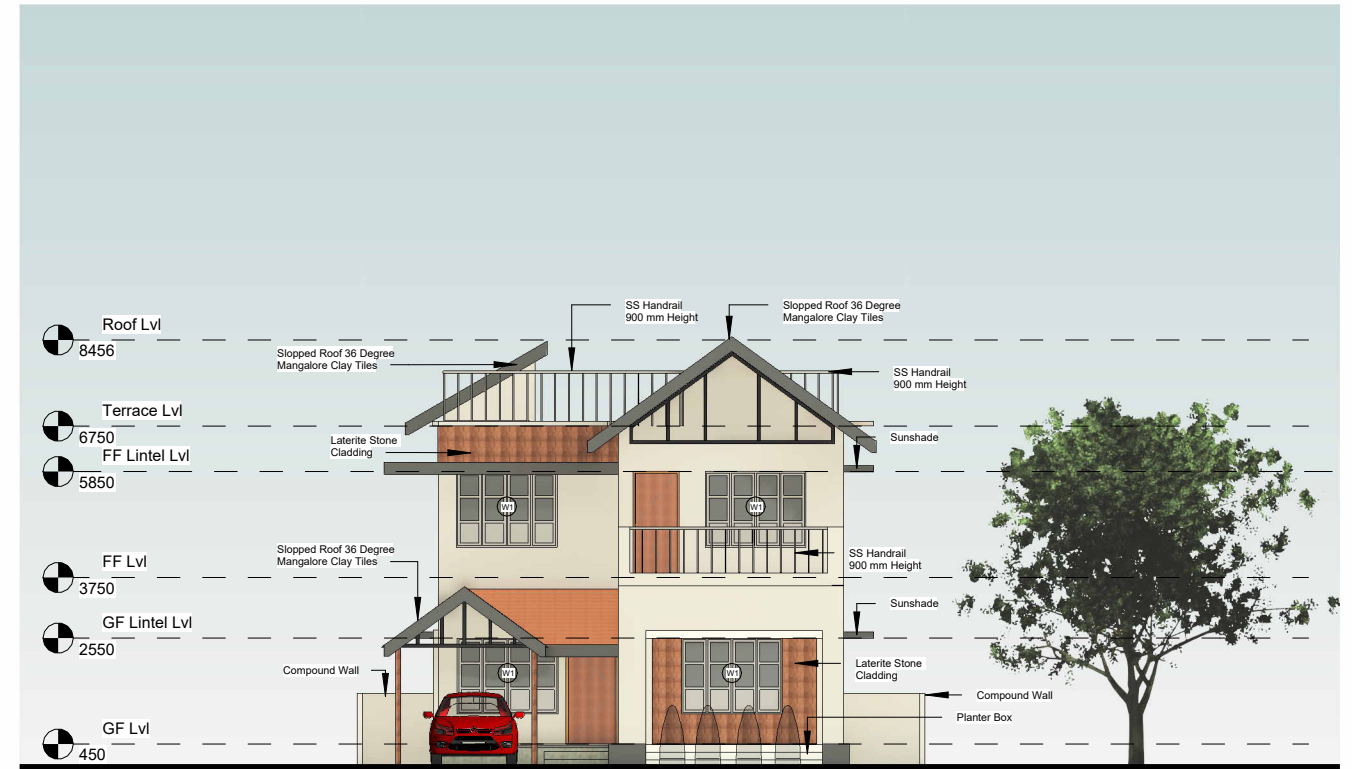
Floor Plans and Elevations



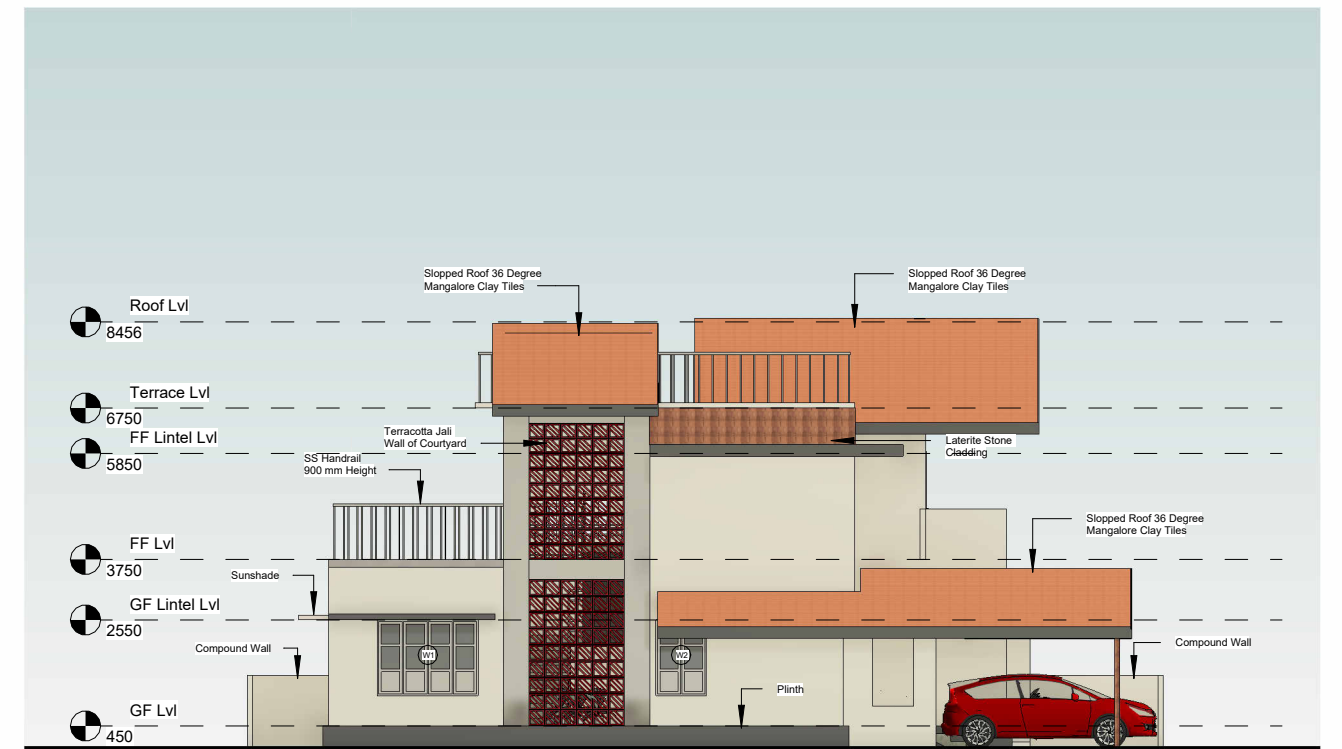
Floor Plan - Ground Floor
Scale - 1:150



Floor Plan - First Floor
Scale - 1:150



Elevation - South
Scale - 1:150

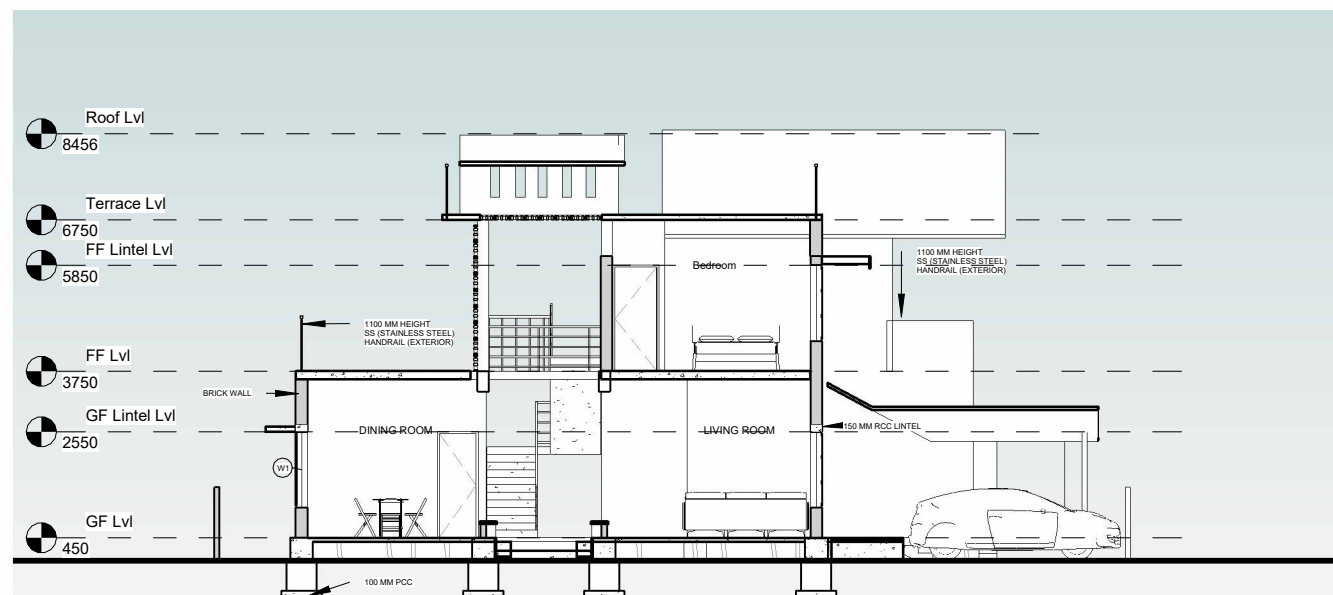


Elevation - West
Scale - 1:150

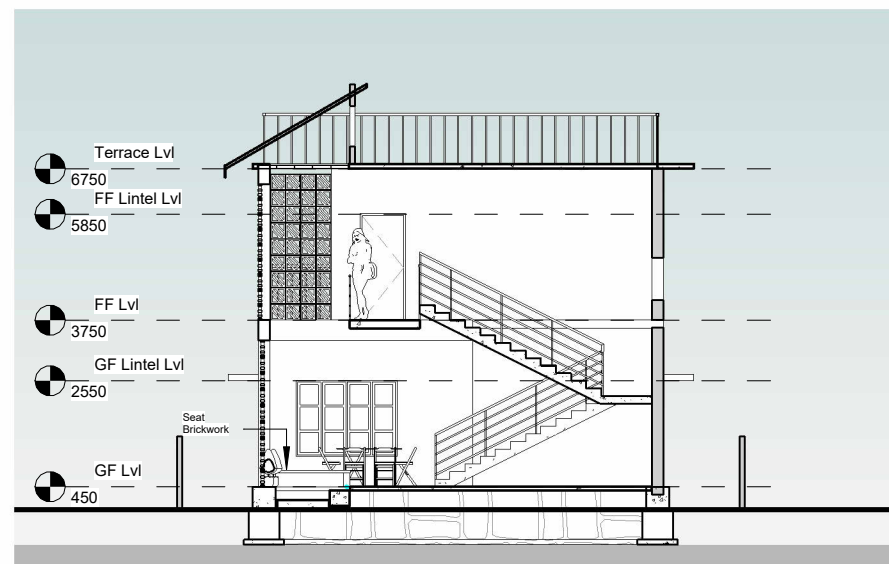
Floor Plan

Floor Plan is a centralized plan with an inner courtyard that is similar to the nadumuttam/ central courtyard of the traditional Kerala Homes, is placed at the center

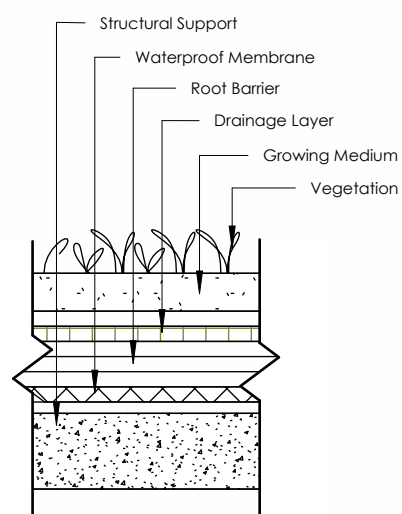
Building Section and Courtyard Details



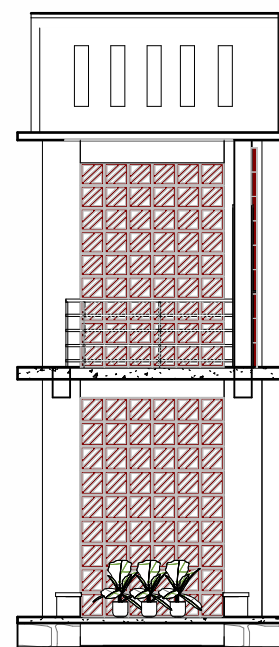
Section - 1
Scale - 1:150



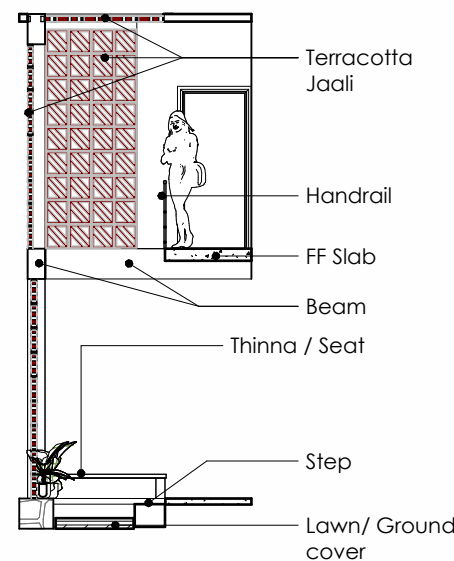
Section - 2
Scale - 1:150



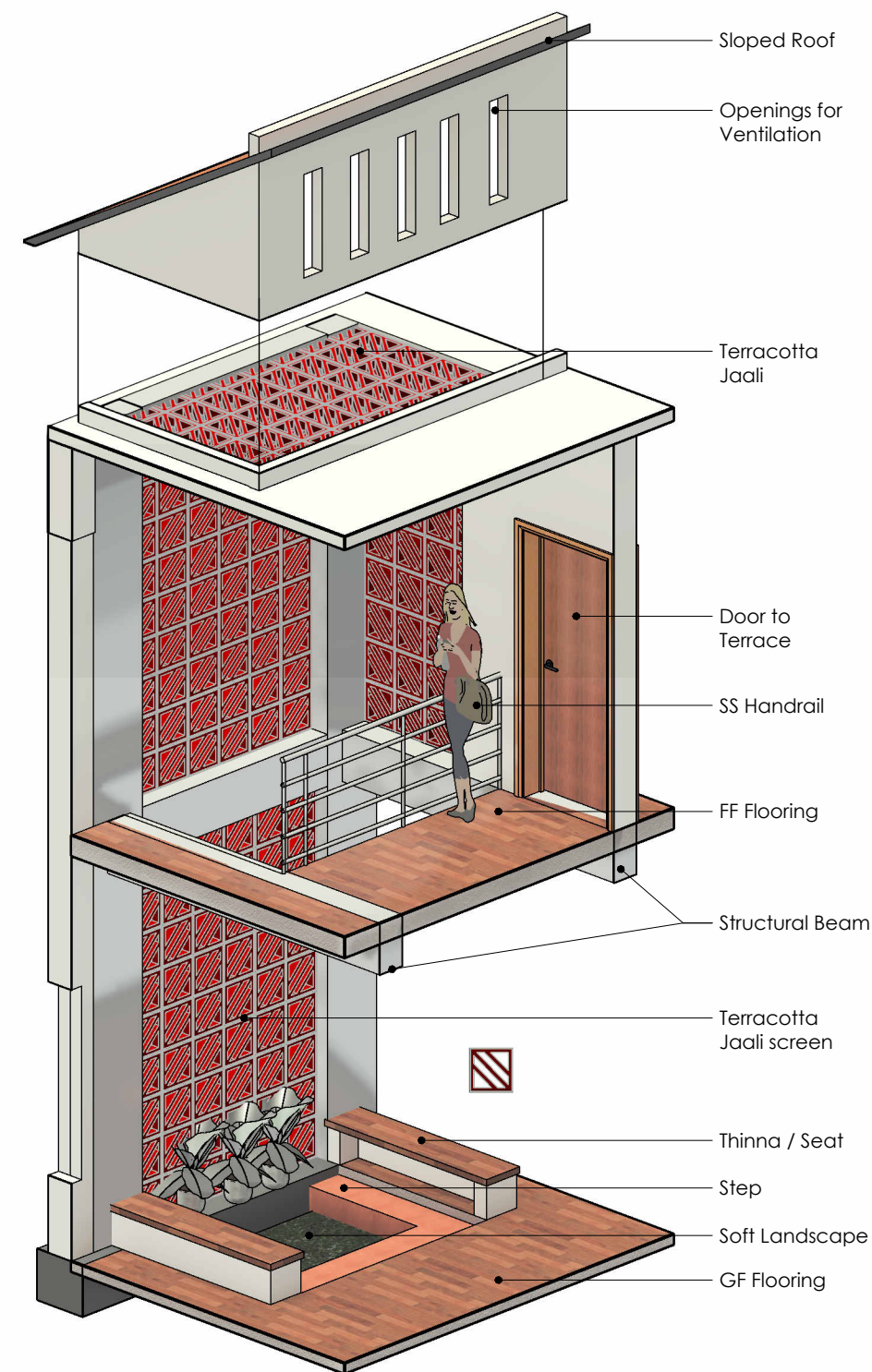
Soft Landscape - Section



Sectional View - 1
Courtyard

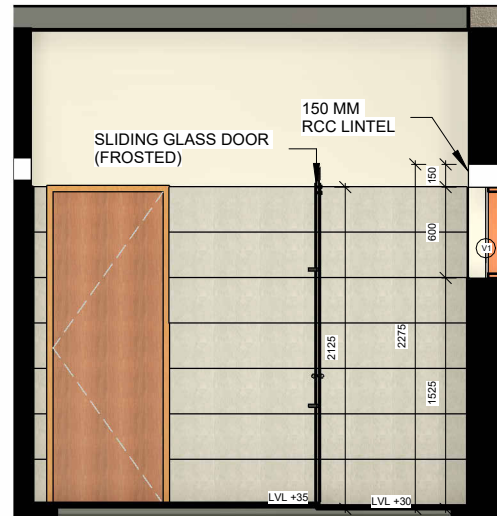


Sectional View - 2
Courtyard

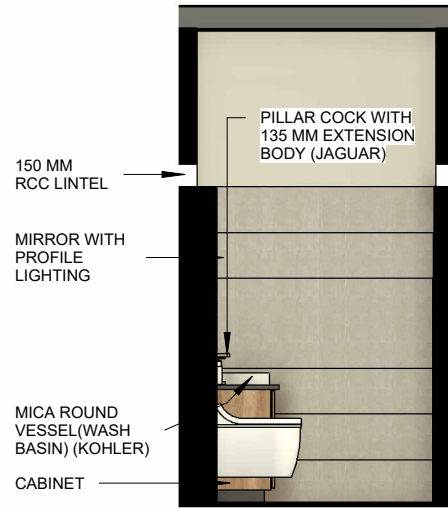


Sectional Perspective - Courtyard

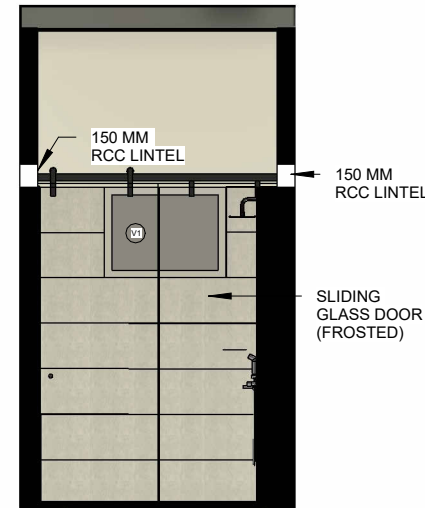
Bathroom Design - Detailing & Finishes



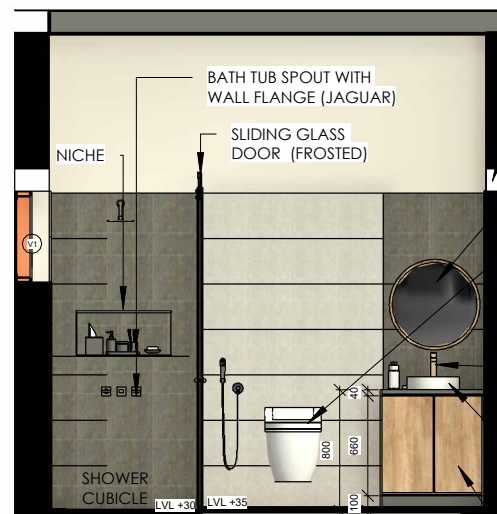
Elevation 1-a



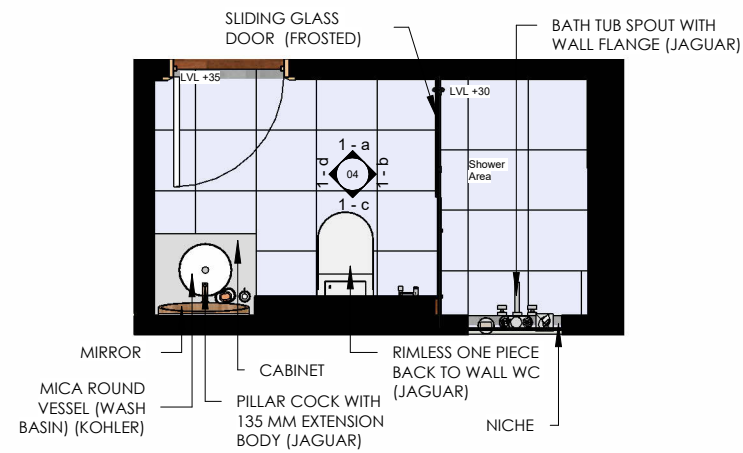
Elevation 1-d



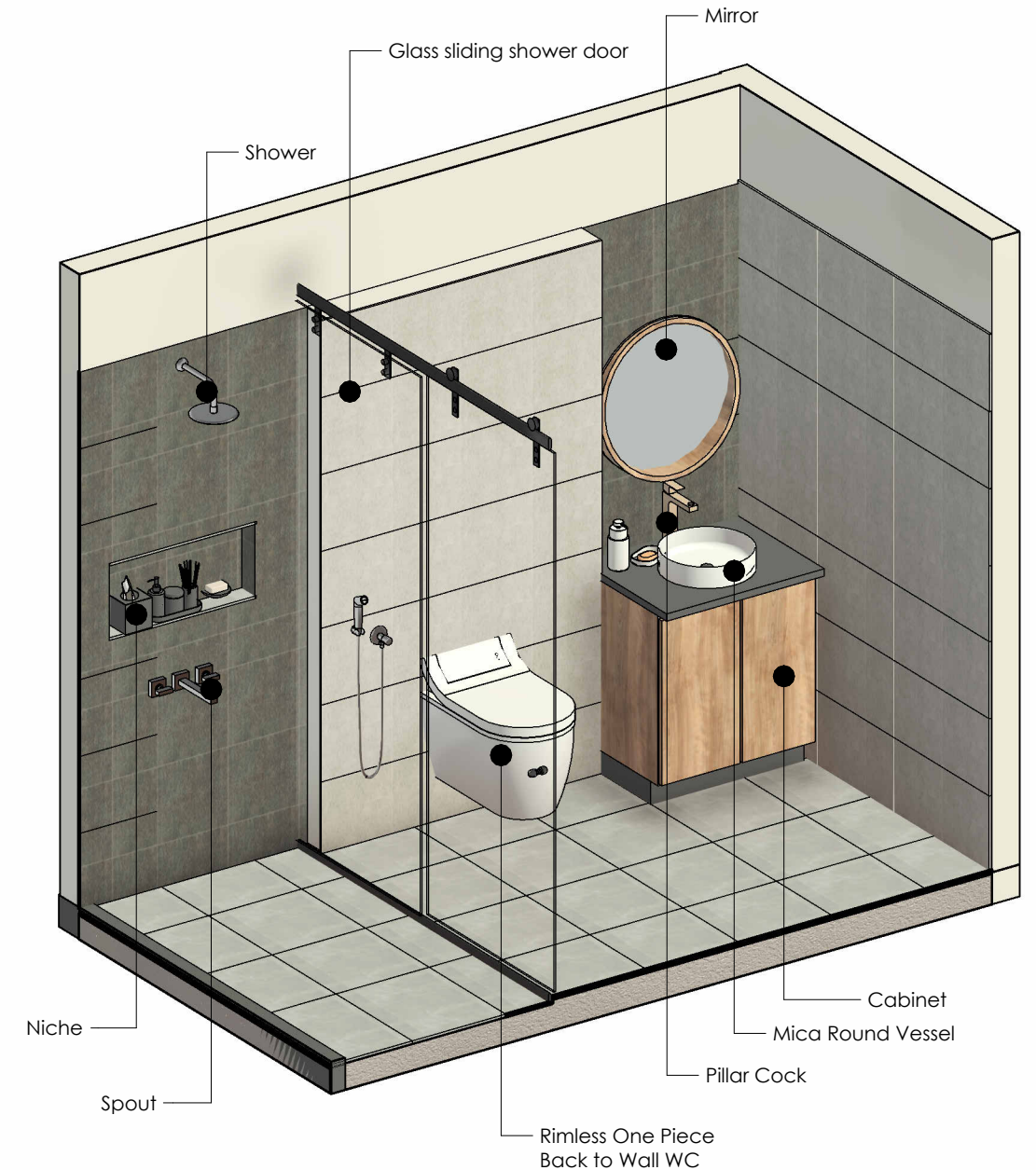
Elevation 1-b



Elevation 1-c



Bathroom Floor Plan

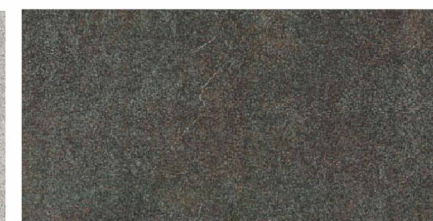


Bathroom Finishes

To create a calm space, a combination of neutral toned ceramic tiles - Desert Grey 60 cm x 30 cm, Desert Verde 60 cm x 30 cm and Lunetta Dark 40 cm x 40 cm (Kajaria) is used. False wall behind water closet is used to conceal the flush tank. Desert Grey tile is used here to highlight the wall in the mid of other Desert Verde tiles.



Desert Grey 60 cm x 30 cm (Kajaria)



Desert Verde 60 cm x 30 cm (Kajaria)



Lunetta Dark 40 cm x 34 cm (Kajaria)