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Concept

Terrascend represents a traditional, down to earth approach to architecture, challenging the boundaries of sustainable design by highlighting rammed earth buildings, representing Nord-Isere historical architecture.

The concept explores the revival of traditional Pise buildings incorporating contemporary elements into the design.

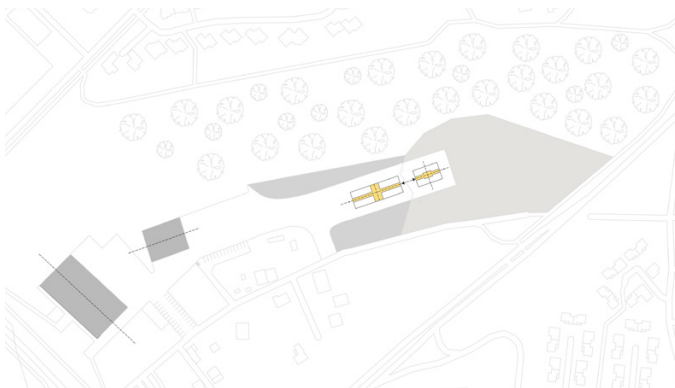
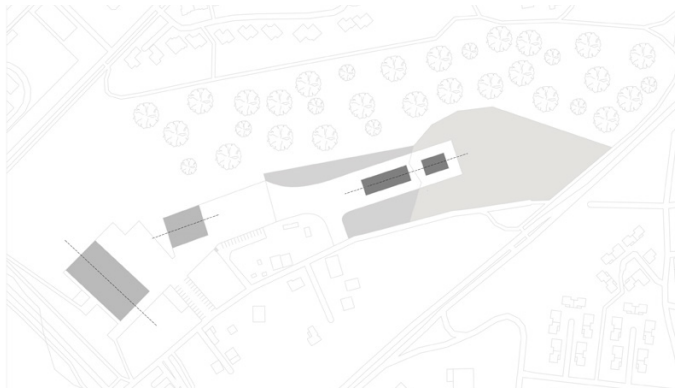
Materiality creates a connection with the surrounding environment. The boundary between indoors and outdoors are blurred creating in-between spaces.



Form development

Understanding the existing buildings and paths, the plot is divided according to the function- Working and living areas. The main corridor connects both functions.

Working area is closer to Les Grands Ateliers, living area is closer to the forest to maximize the comfort for inhabitants.



Structure

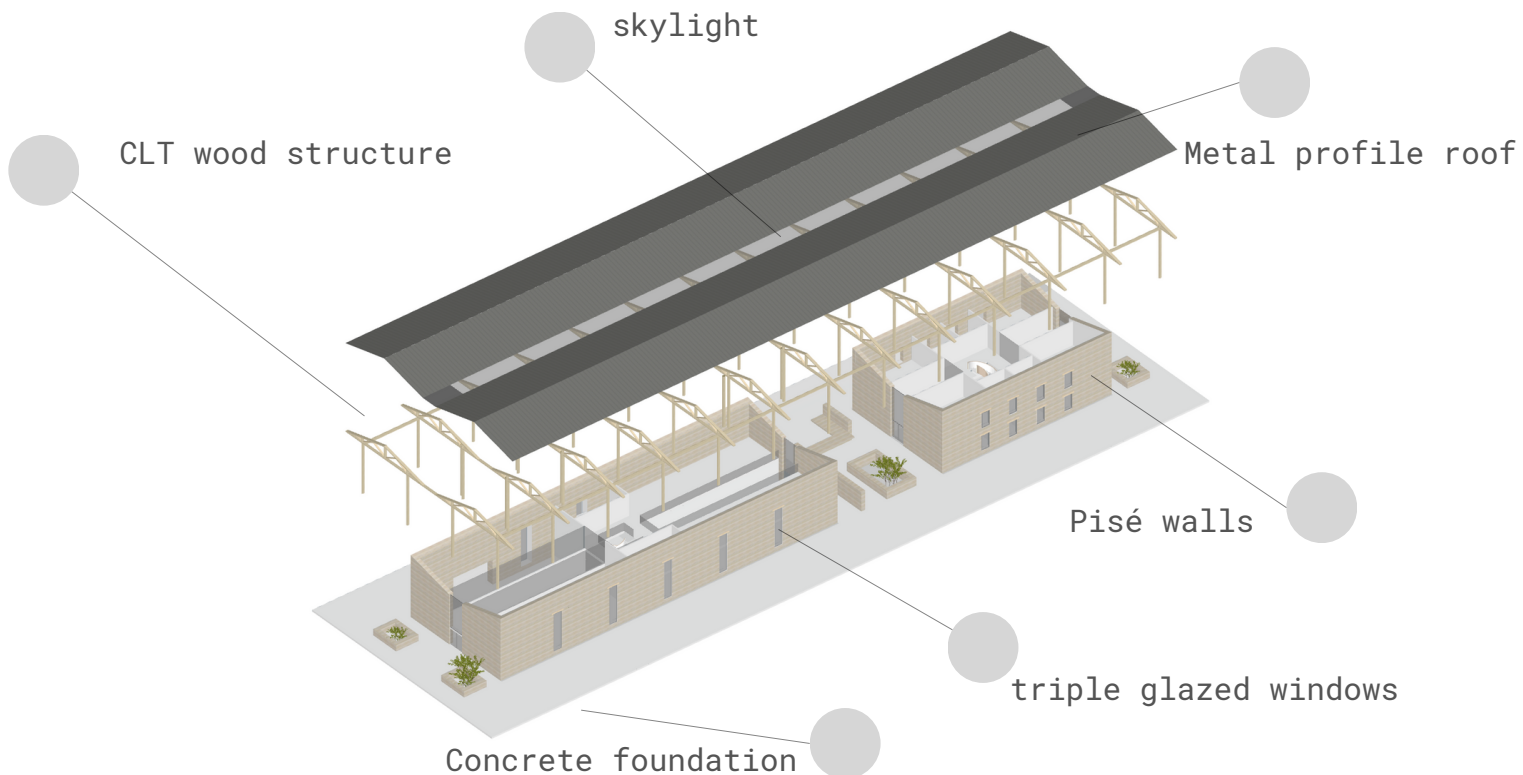
The concrete foundation provides a durable base for the Pisé walls and CLT framework.

The CLT structure supports larger spans, enabling the incorporation of expansive windows and openings that enhance natural light and visual connectivity with the outdoors

Pisé walls implement the traditional way of buildings in Nord Isere region, as well as minimizing the thermal bridges due to its sustainable features.

The thin metal profile roof overhangs the heavy Pisé walls and CLT structure, protecting the Pisé walls from rain and direct sunlight, reducing weathering damage.

Skylight provide lighting throughout corridors.
Triple-glazed windows contridicts to thermal comfort



Site analysis

Les Grands Ateliers



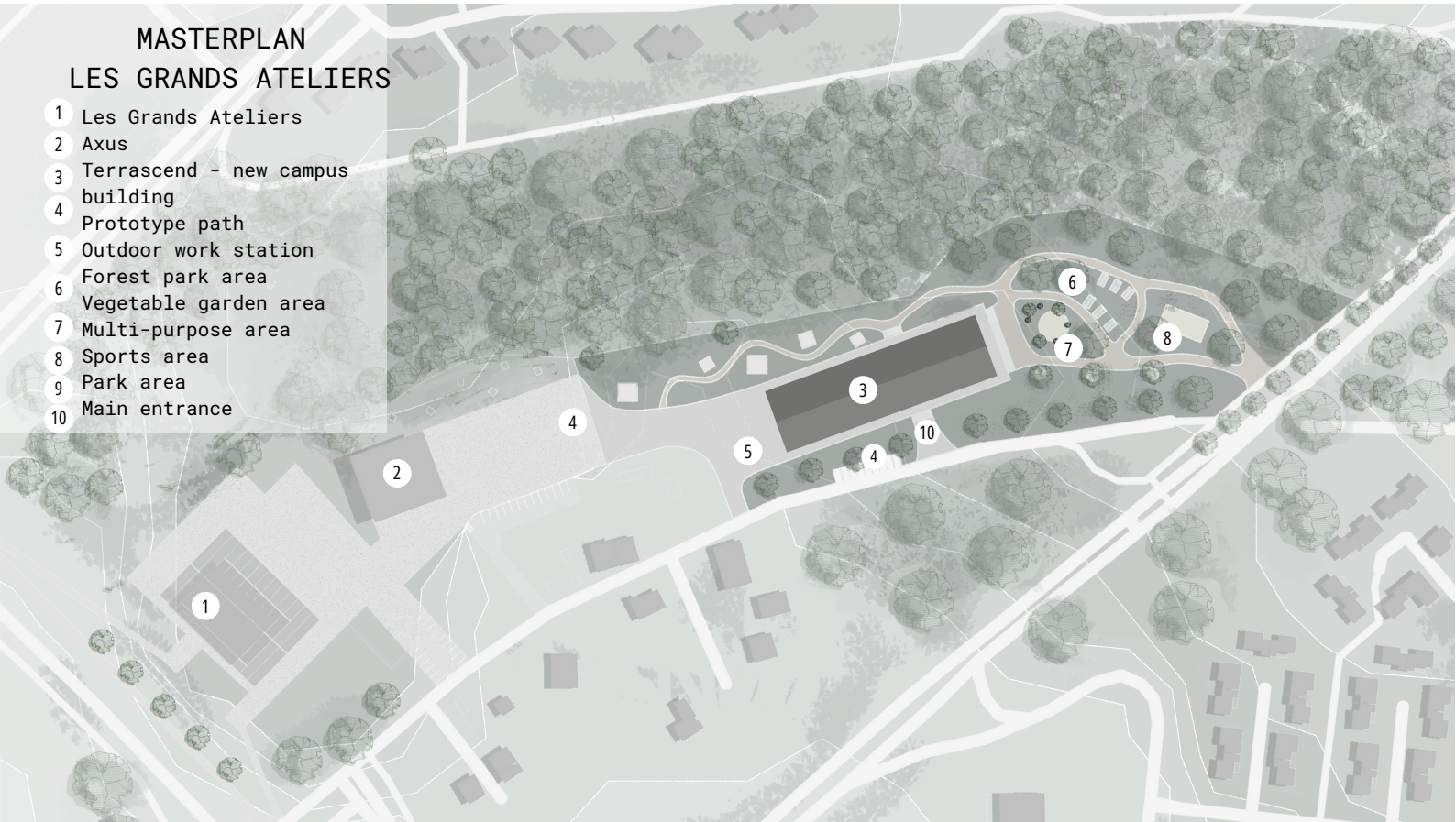
Landplot area in context with surrounding buildings



Public transport access to the site



Pedestrian access
Vehicle access



MASTERPLAN LES GRANDS ATELIERS

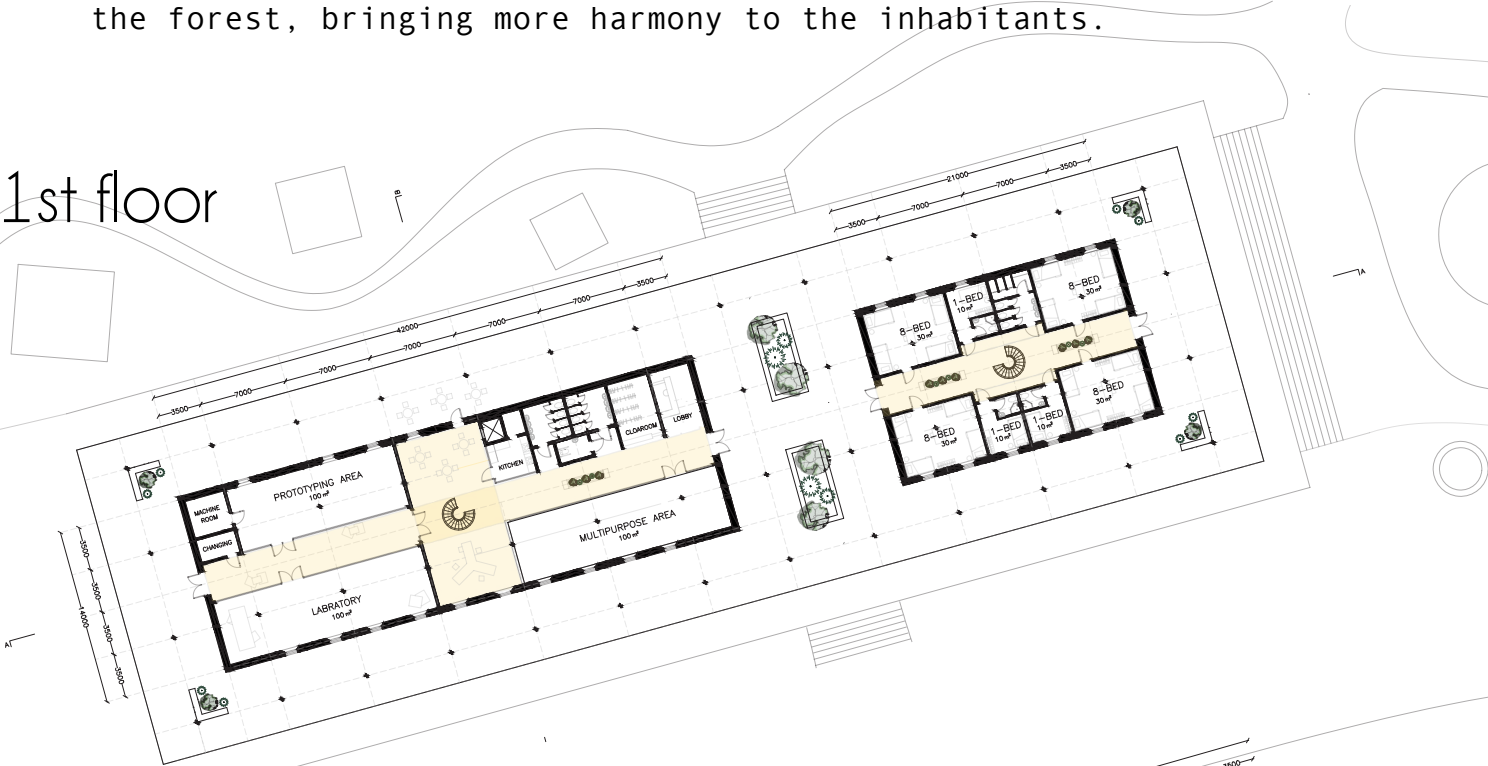
- 1 Les Grands Ateliers
- 2 Axis
- 3 Terrascend - new campus building
- 4 Prototype path
- 5 Outdoor work station
- 6 Forest park area
- 7 Vegetable garden area
- 8 Multi-purpose area
- 9 Sports area
- 10 Park area
- 11 Main entrance

Floor plans

Floor plans serve the function accordingly to the site of Les Grands Ateliers. Linearity is a key aspect for inhabitant movement and their comfort.

Left side of the site is propoused to be for work functions, regarding already existing building for prototypes. Form follows function, meaning that living area is placed the furthest from work area, so it has a seperate building on the right side, closer to the forest, bringing more harmony to the inhabitants.

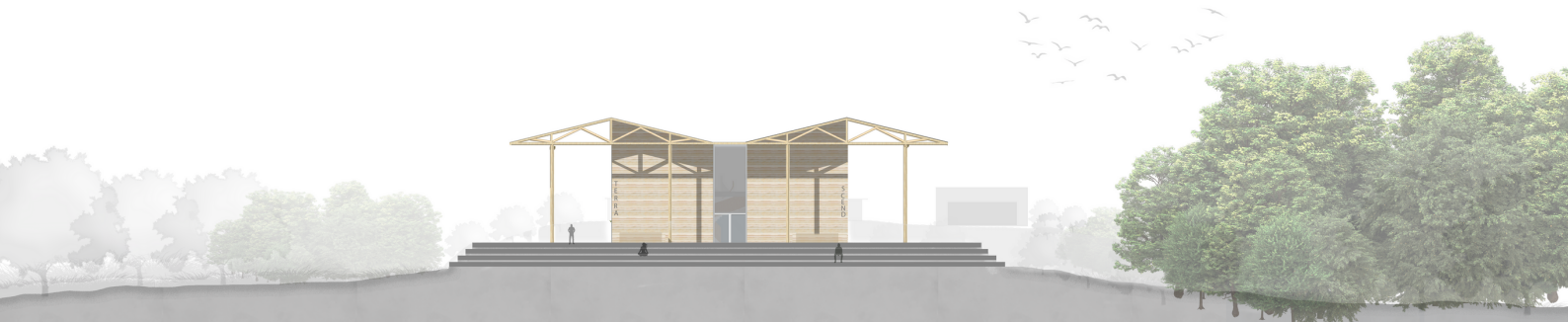
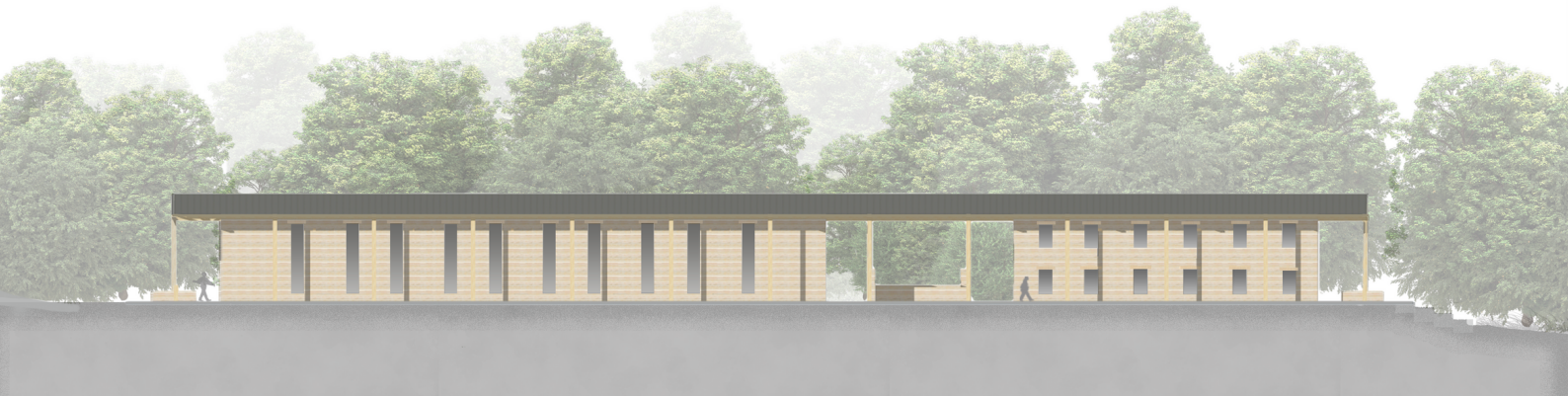
1st floor

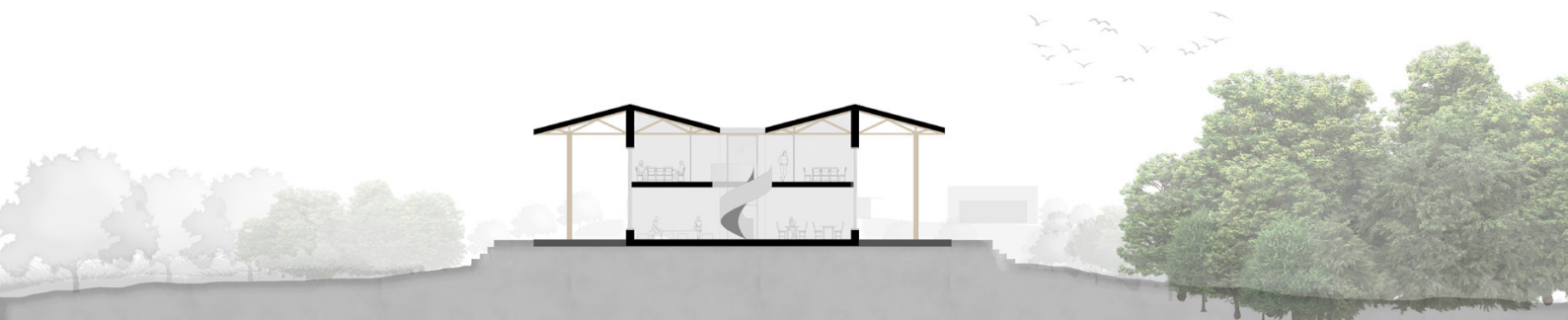


2nd floor



south elevation





Site analysis

Chimilin



Landplot area in context with surrounding buildings



Public transport access to the site



Pedestrian access
Vehicle access

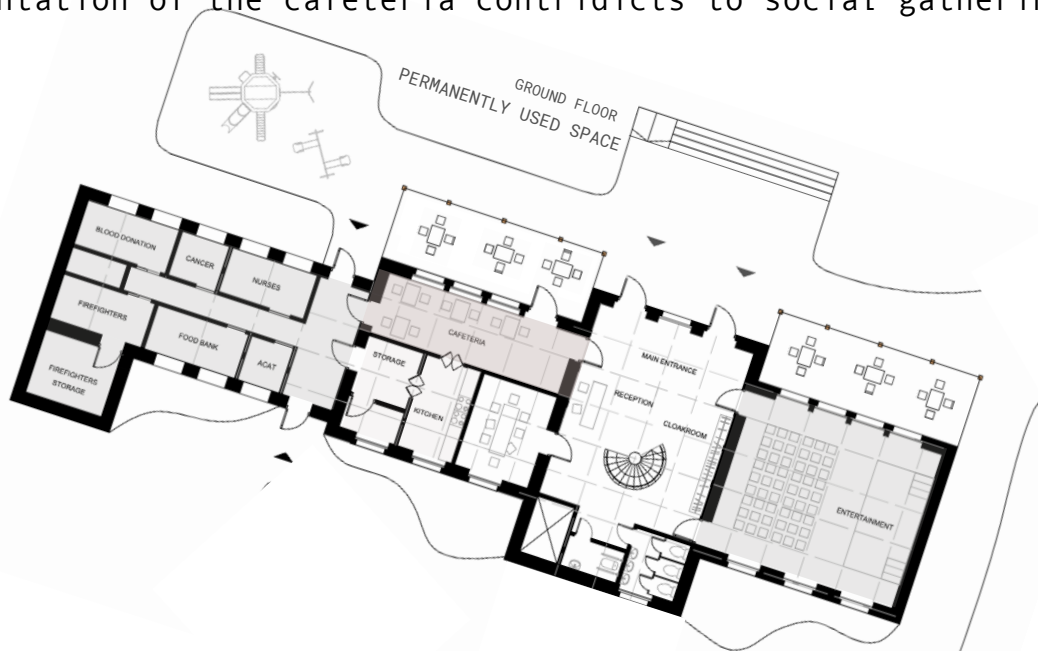
MASTERPLAN CHIMILIN

- 1 PLAYGROUND AREA
- 2 CAFE TERRACE
- 3 MULTI-PORPOSE AREA
- 4 PARKING AREA
- 5 PUBLIC GARDEN AREA
- 6 MAIN ENTRANCE

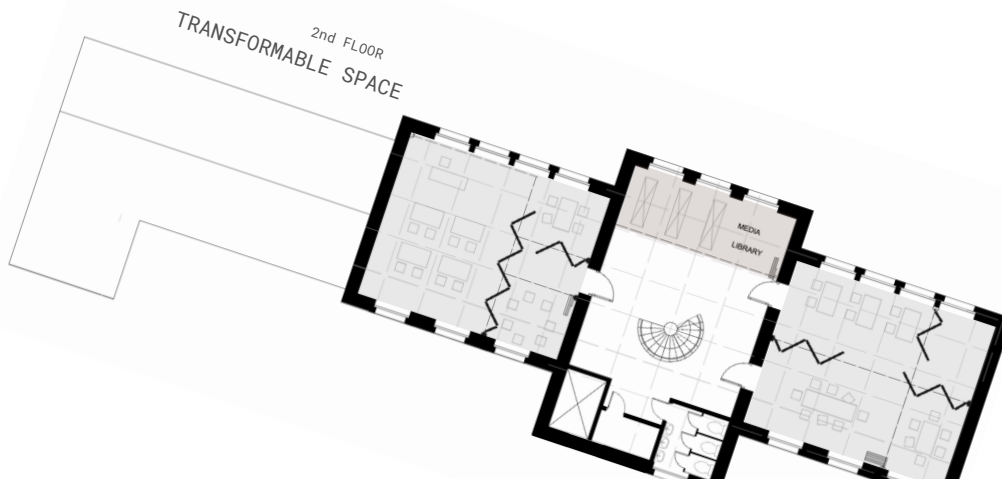


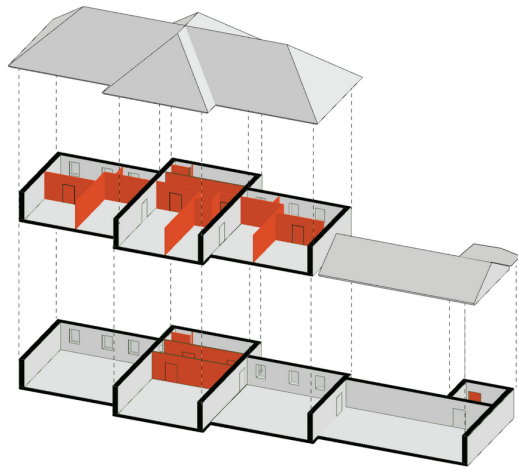
Floor plans

For renovation project, the first floor is designed considering preservation of the historical elements, but also making the space more open for guests. Integration of grand-staircase creates an open-space lounge and elevator contradicts to accessibility. Implementation of the cafeteria contradicts to social gathering.

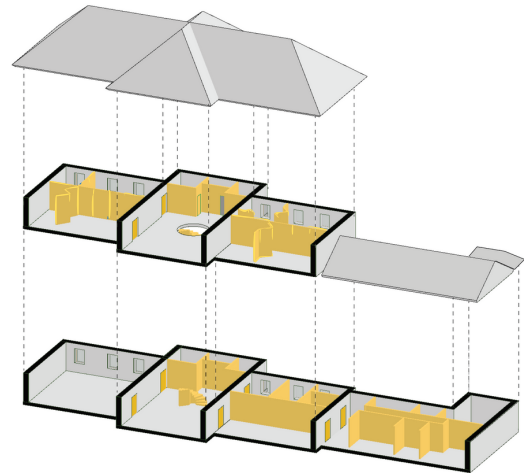


The second floor is where the modernized solutions happen, implementing transformable walls for multi-purpose rooms. Guests can adjust the amount of space they need for specific events they are having, allowing each association having their own space.





TO BE DEMOLISHED



NEW construction
sliding walls - 2nd floor



Context idea

Continuing the concept of “Blending indoors with outdoors” we referenced the wood structure from Les Grands Ateliers into Chimilin restoration project.

So called “Pergolas” will allow guests to sit in terraces and experiencing semi-outdoor space, with green plants growing around the wood structure.





