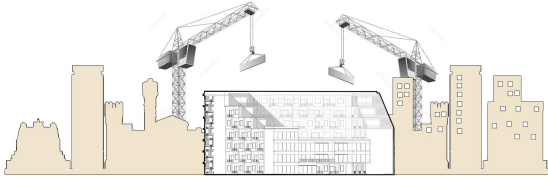
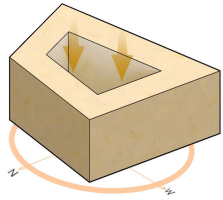


# OBLIQUE Ville

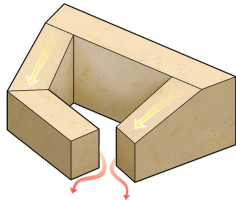
Oblique Ville will cater to a diverse section of the rapidly expanding population; a true vertical village that will house around 200 people in one building. The courtyard in the middle is a private space and a sanctuary for residents. The strong graphical appearance created by the balconies is accentuated by the seamless sloping profile of the terraces on the other two edges. This project gives a breath of fresh air as many of the new buildings in India are generic, repetitive residential towers that lack a sense of community living.



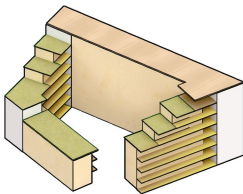
The site is located in the heart of the IT Hub in Bangalore, Karnataka. Our modular residential units made out of CLT, aims to house the young professionals attracted to the city. Due to its high elevation, Bangalore usually enjoys a more moderate climate throughout the year, with the difference between peak summer and winter temperatures being very low.



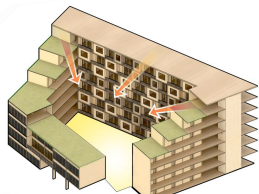
Courtyard is cut through the volume and the entire mass is oriented North - South.



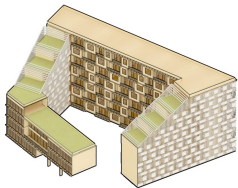
A diagonal axis is created through the mass, opening into the courtyard and the edges are sloped to maximize intake of north light.



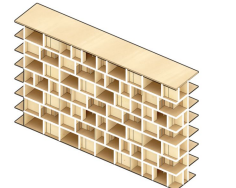
Terraces are cut-out and cores and corridors are formulated.



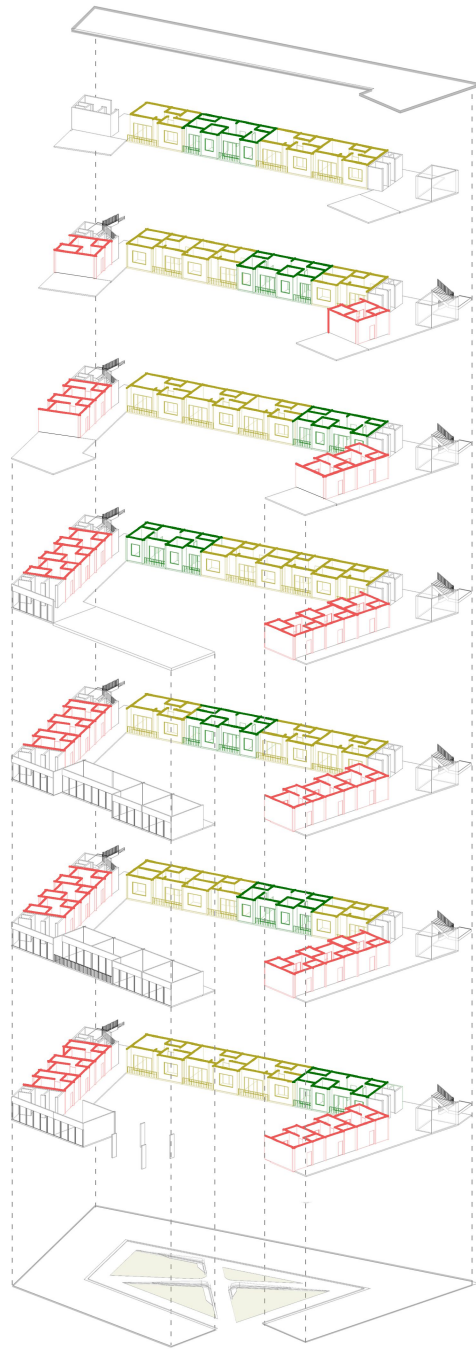
The residential modules and community spaces are stacked with openings directed towards the courtyard.



Facade made up of negatives of CLT panels used in construction wraps the building to provide shading. PV panels are installed on the south facade.



The different residential modules have been designed in varying structural order to assist upstanding distribution of loads on all the floor plates.

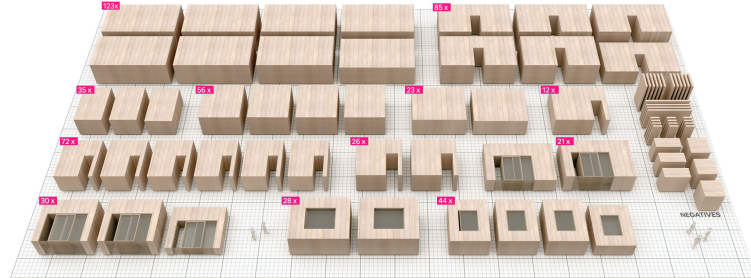
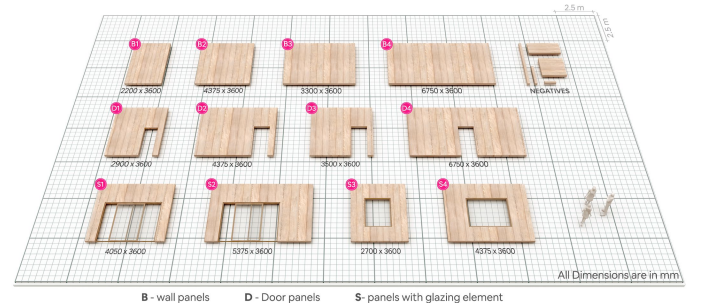
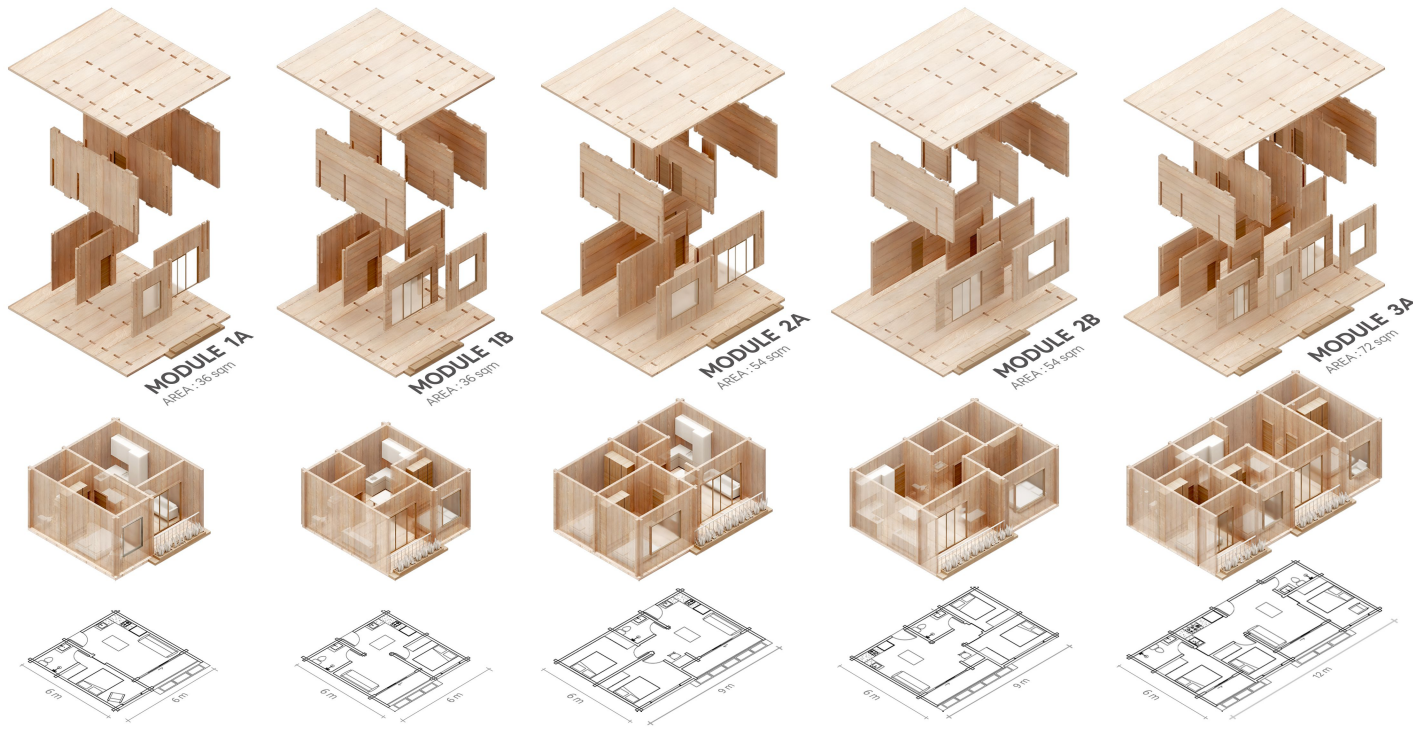


- Module A
- Module B
- Module C

An exploded view, showing all the floor plans of our building. The various modules accentuate the interlocking theme of our design in multiple ways.





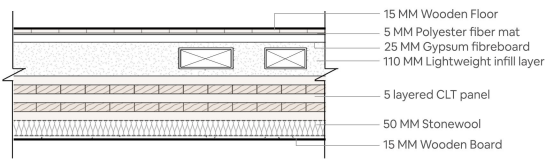


**TOTAL NO. OF PRE-FAB PANELS: 555 (vertical members)**

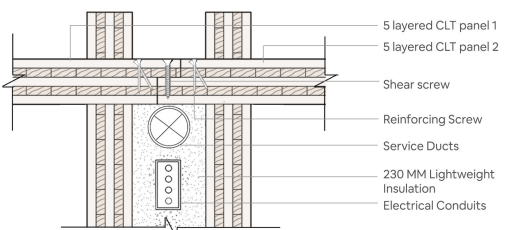
The timber will be manufactured off site in a factory setting and transported during the construction phase to the site, producing a quick assembly of CLT sheets and ensuring a cost and time effective building process. The prefabricated CLT modules used for the design, will be produced using CNC machines and industrial robots within the factory.

Apartments ranging from 36 square metres to 72 square metres are mixed together, a diversity enabled by the building's mountainous shape and the shifting floor plans that it generates. Recessed balconies on the main facades of the building hint towards the diversity of the Modular homes behind. The strong graphical appearance created by the balconies is accentuated by the seamless sloping profile of the terraces on the other two edges.

The floor slabs and walls are connected through alternating multiple interlockings. The residential modules come to life through a series of interlocking networks at various junctions between walls and floor slabs respectively. The individual interlocking junctions between walls act as substitutes for the typical Columns in framed constructions. These nodes take point loads equally well, if not better than columns.

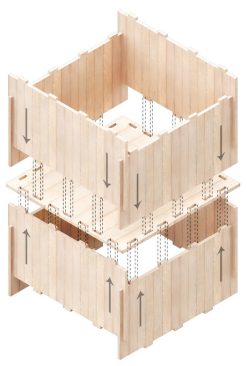


**Floor Slab Cross Section**



**Internal Wall Lap Joint**

The facade is brought to life through the negatives left from the prefabricated models and the left out pieces from interlocking joineries. An Envelope is developed that provides ample shading and also houses Photovoltaic panels on the face facing south.



The floor slabs and walls are connected through alternating multiple interlockings. The residential modules are assembled through a series of interlocking networks at various junctions between walls and floor slabs respectively.

- Corridor envelope
- Courtyard
- Cafe
- Wellness center
- Vegetated roof deck
- Entrance pavement

- Rooftop community amenity space
- Solar panels
- 2/3 BHK residential units
- Corridor
- Plug-in planter boxes
- 1 BHK residential units

