

**EV//A - Le festival des cabanes**  
Eva Verhelle & Emiel Volckaert

SITE 7 - Verchères Le Verdet

EV//A is a young collaboration which stands for the double abbreviation of Eva Verhelle - Emiel Volckaert - Architecture. Eva Verhelle and Emiel Volckaert are two young architect-friends that studied together at the Faculty of Architecture Sint-Lucas of the KULeuven University in Ghent and recently graduated in 2016. Since then they have completed their internship and have been working in different architecture offices in Belgium. Festival des Cabanes is their first participation to an international contest.



Eva Verhelle  
26 year  
Living/working in Antwerp

An enthusiastic creative young woman who is in for some new challenges.

This festival des cabanes is an excellent chance to design a creative architectural intervention that is able to blend in with its surroundings.



Emiel Volckaert  
28 year  
Living/working in Ghent

An ambitious, adventurous young man who is looking for solutions how architecture can fully integrate into its environment.

This opportunity to build a cabane in France on a great location is a chance he doesn't want to miss!

As the festival describes, 12 remarkable cabanes have to be designed and build for 12 magical places at the sources of Annecy lake and its beautiful surroundings.

We hope to create the same magical atmosphere with our cabane as the landscape offers us. Therefore, it was important for us that our cabane embeds perfectly in its natural landscape and that it opens up towards a spectacular view on La Tournette Mountain. Together with the remarkable detailed structure of our cabane, with its numerous small openings, we hope to contribute to create a fascinating and magical architectural space where sunlight can shine through during the whole day.

We are excited for this opportunity and are looking forward to building our cabane on this magical place!

# CONTEXT

## ZOOM OUT

### HAUTE -SAVOIE

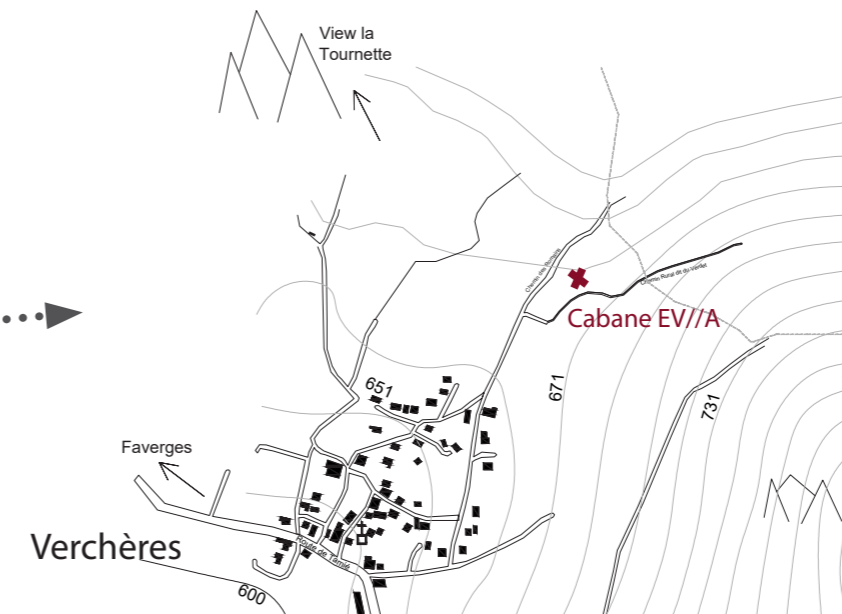
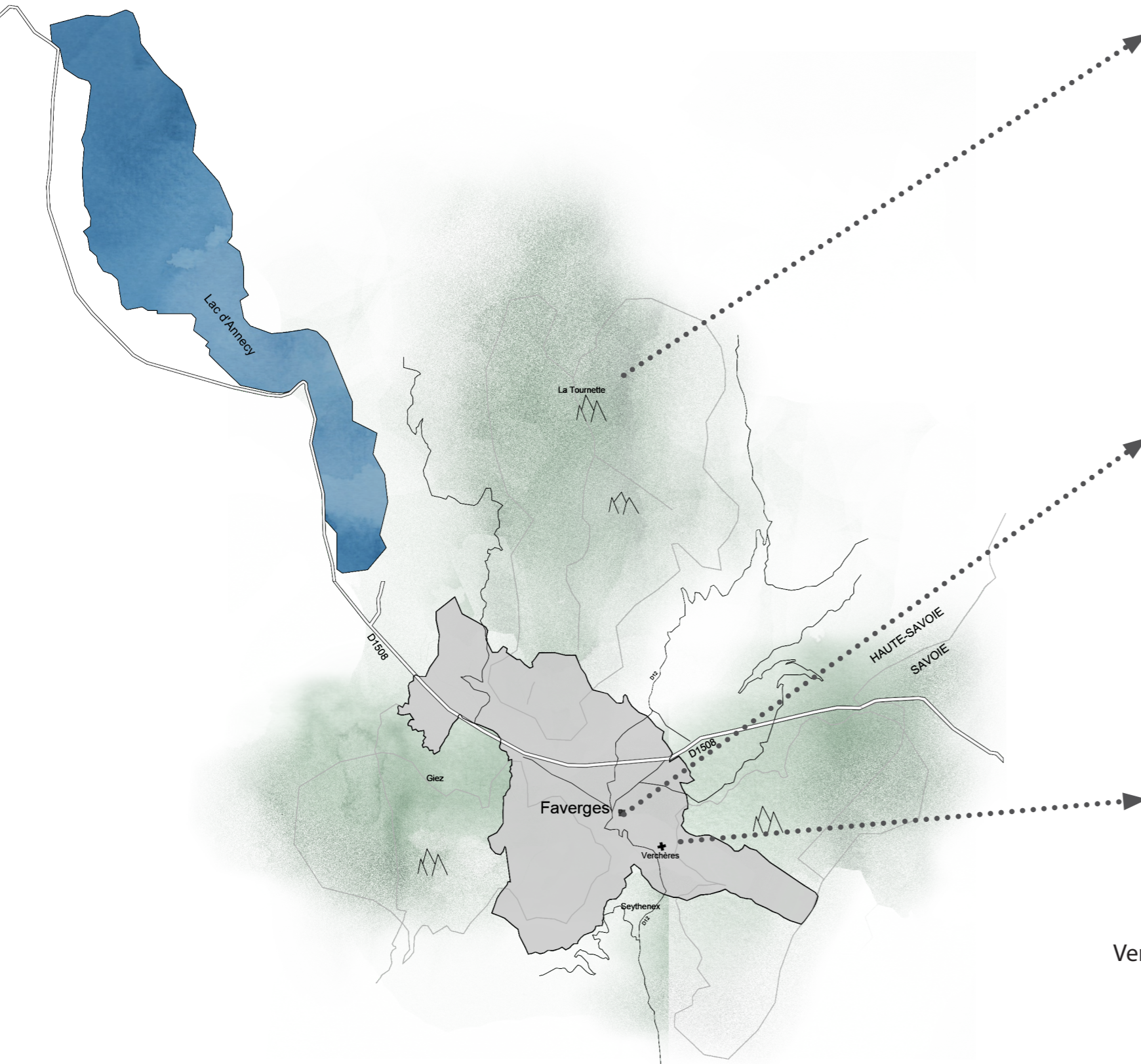
Our project area is located in Haute-savoie, adjacent to the department of Savoie.  
The area is defined by mountainous landscapes as well as valleys meadows and woodland



The area is well known for its picturesque landscape with the lake of Annecy in the valley and the mighty and massive La tournette mountain next to it which dominates the area by its height. (2351m)



In the valley of La Tournette mountain and close to our project area lies the commune of faverges. The town owns a medieval castle of the XIIIth century which is characterized by its remarkable iconic tower.



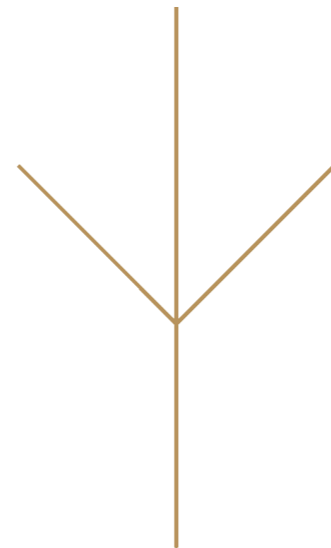
Site n°7 Le Verdet is located on a sloping meadow at an altitude of approximately 650 meters and has a magnificent view on both the valley of Faverges and the robust La tournette on the background.

ZOOM IN

CHÂTEAU DE FAVERGES

The castle of Faverges is a former fortified castle, built in the thirteenth century, and rebuilt in the fifteenth century. It is located on the border of the county of Savoy and the county of Geneva, in the town of Faverges-Seythenex.

The characteristic tower of the castle of Faverges, with its typical wooden structural Y-element, determines the design of our cabane. Instead of literally copying the structural Y-element, we saw the opportunity of transforming this two-dimensional element into a three-dimensional architectural object.



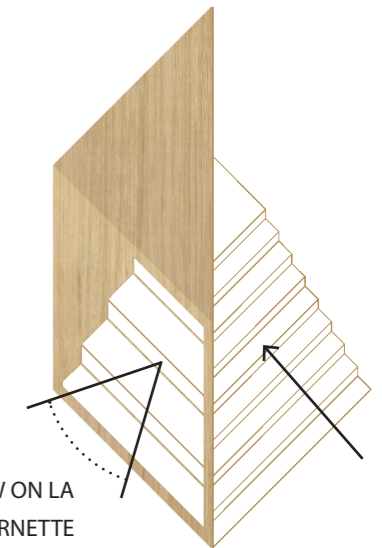
Abstracting the Y-element out of its context.



Transforming the 2D Y-element into a 3D object which represents a perfect cube.



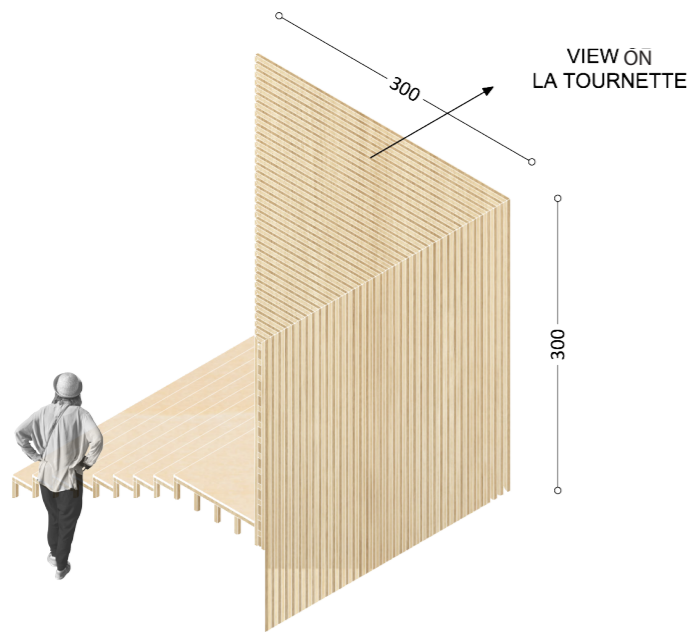
The Y-element divides the cube into 2 equal parts, representing respectively a mass-part and void-part. The mass-part serves as the cabane, whereas the void-part serves as the entrance to the cabane and the discovery of the magnificent view on La Tournette Mountain.



By placing the cabane onto the sloping meadow of site 7-Le Verdet, the architectural cube is embedded in the landscape, forming natural stairs in both the mass-part and the void-part. The stairs in the void-part run parallel to the existing pathway and give a clear access to the cabane. The stairs in the mass-part form a tribune where people can repose, enjoy and appreciate the magnificent view on la Tournette mountain.

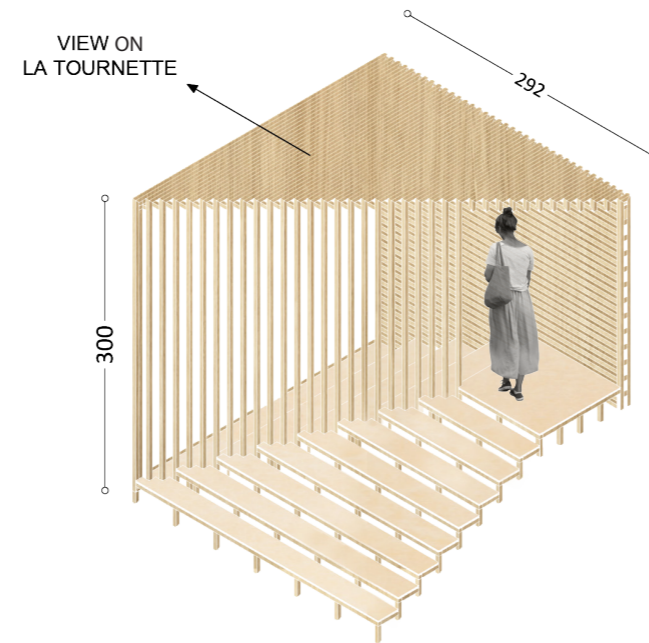
# LA CABANE

TO ARRIVE, TO ENTER, TO DISCOVER, TO STAY



To arrive

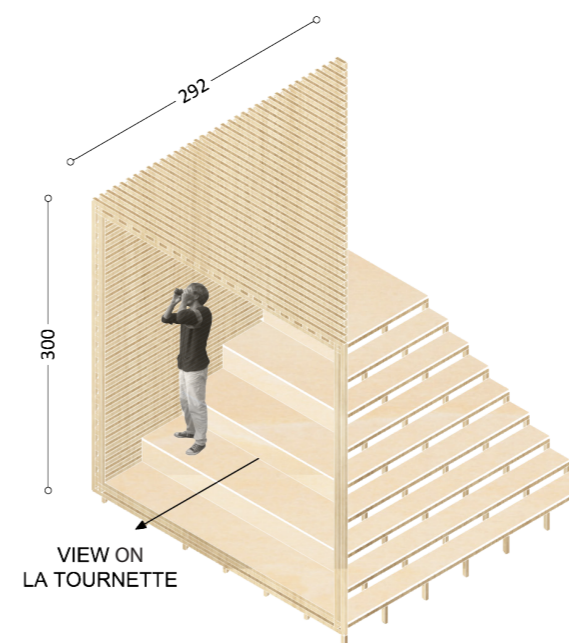
Walking along the existing pathway, the cabane emerges.



To enter

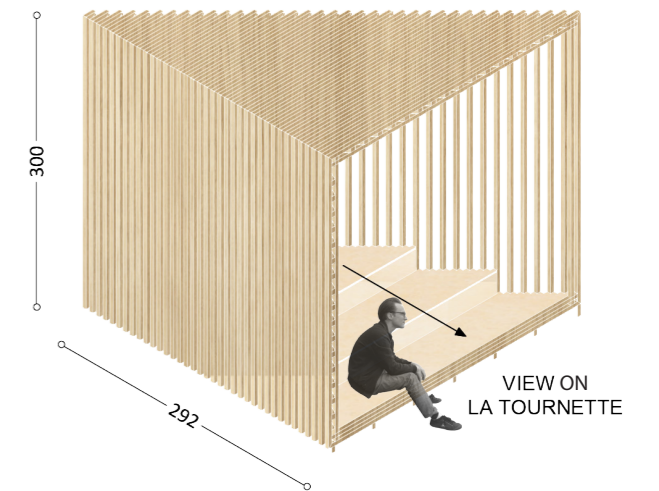
The entrance staircase next to the pathway and a small glimpse of the interior triggers the passenger to enter into the cabane.

There is no view on La Tournette yet  
-> Surprise effect



To discover

After entering the cabane, the passenger discovers the tribune with the view on the landscape and La Tournette mountain.



To stay/enjoy

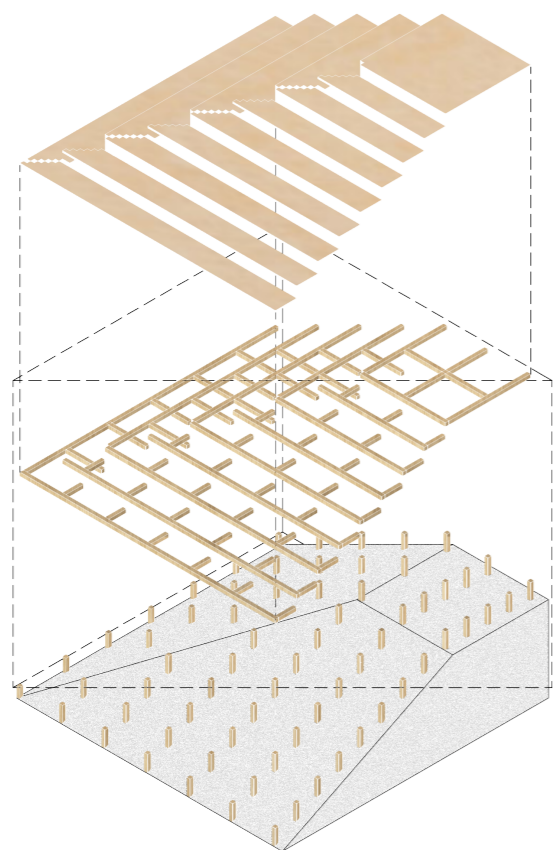
The participant stays for a while, reposes and enjoys the both the view on the landscape and the detailed wooden structure of the cabane.

# LA CABANE

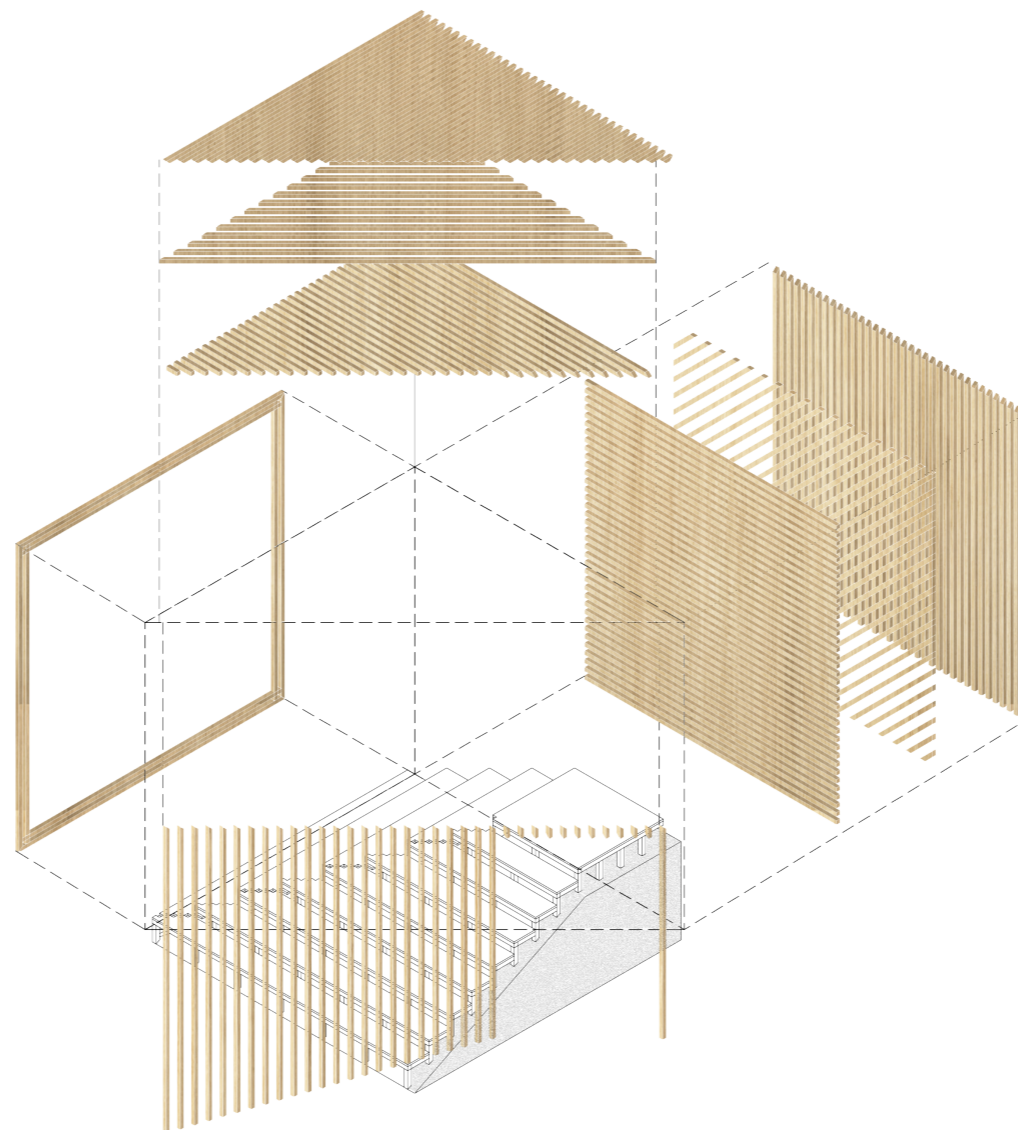
## CONSTRUCTIVE PRINCIPLE

Used material: wooden boards/planks: 18mm\* length

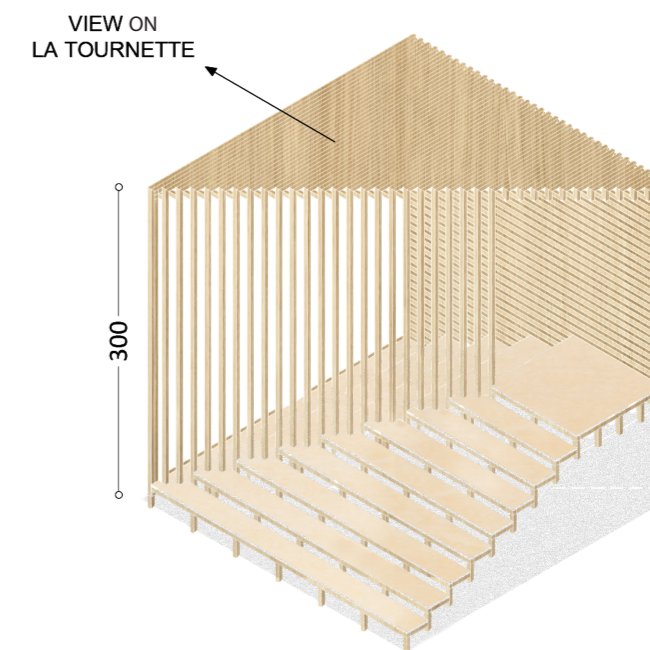
Used material: wooden battens/beams : 40mm \* 40mm\*length



PHASE 1  
Base



Phase 2  
Frame



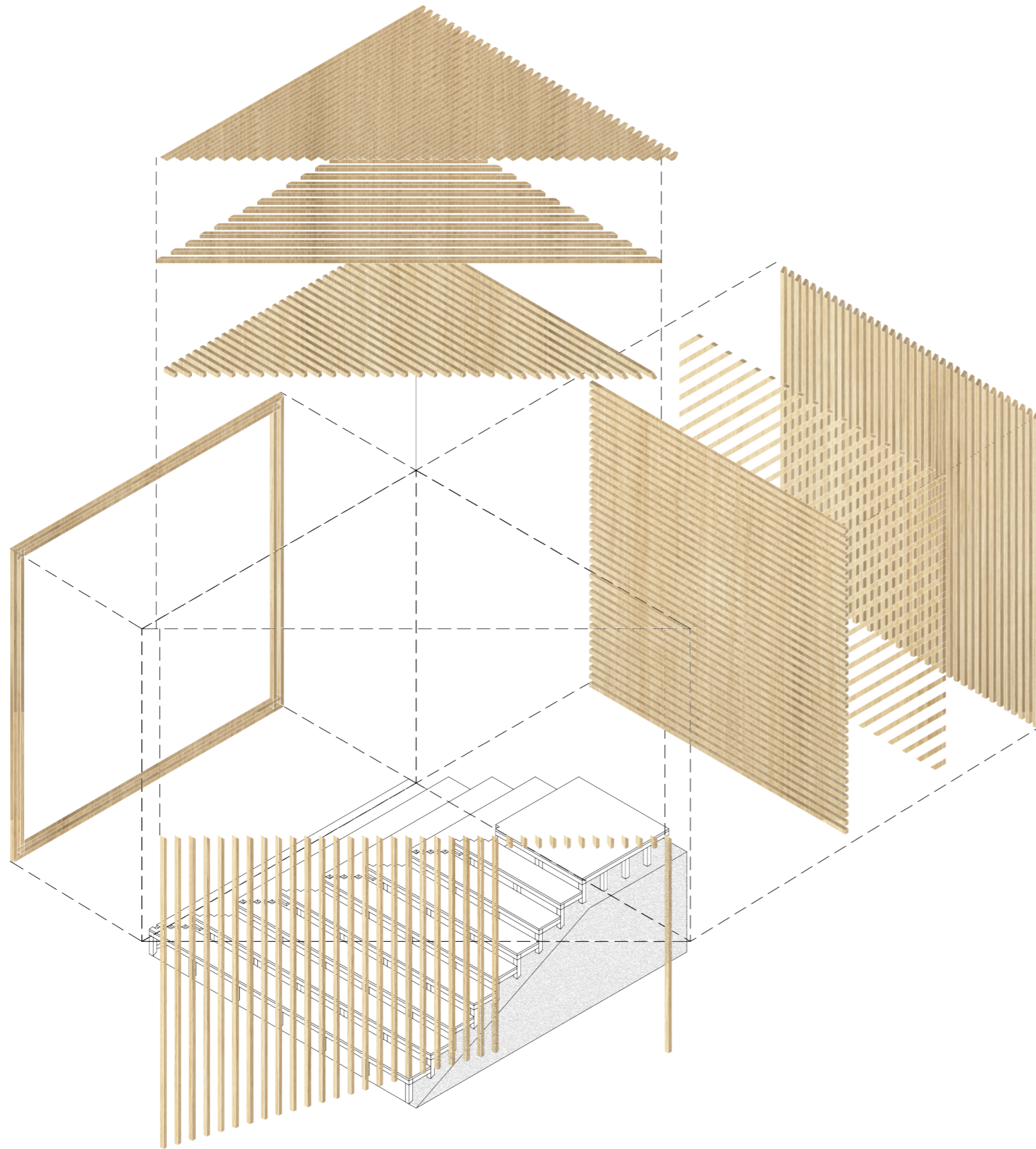
Phase 3  
Total design

Used material: wood 1,01m<sup>3</sup>

Total amount of screws: 4972  
(estimation)

Total surface cabane: 4,6m<sup>2</sup>





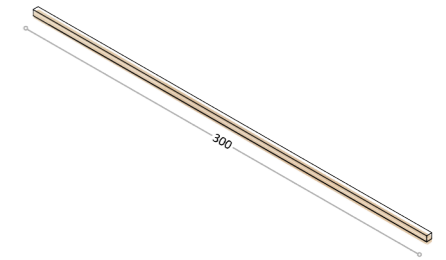
Phase 2  
Frame

Used material: wooden battens/beams

Used material: screws  
(sustainable connection for reuse later)

Constructive principle:

- step 1: construction of the vertical wooden walls and front frame: horizontal, diagonal and vertical wooden beams are placed and screwed together to create a rigid structure.
- Step 2: construction of the roof: horizontal wooden beams are placed and screwed in 3 directions to create a rigid structure. The roof is placed and screwed onto the vertical wooden support of step 1.



|               |     |
|---------------|-----|
| wall          | 97x |
| roof          | 46x |
| diagonal wall | 21x |
| front frame   | 8x  |

Total: 172 x

Amount of screws: 4566  
(estimation)

VIEW ON  
LA TOURNETTE

