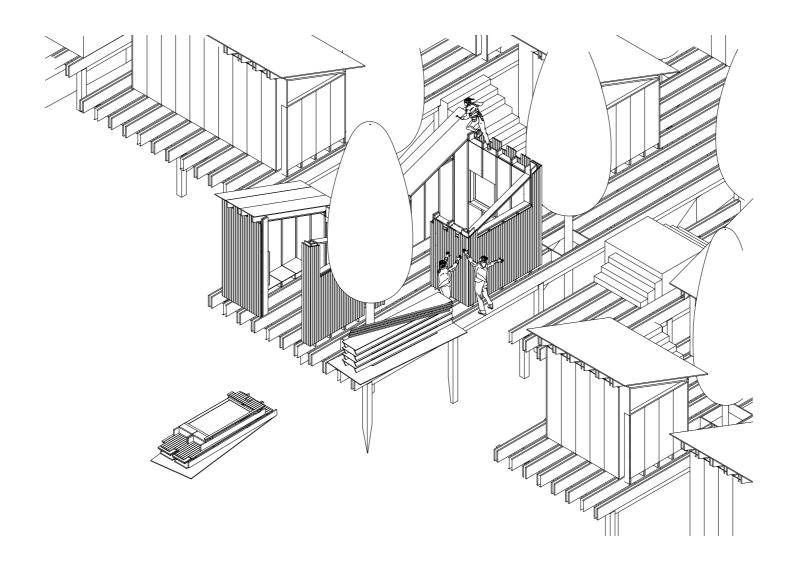
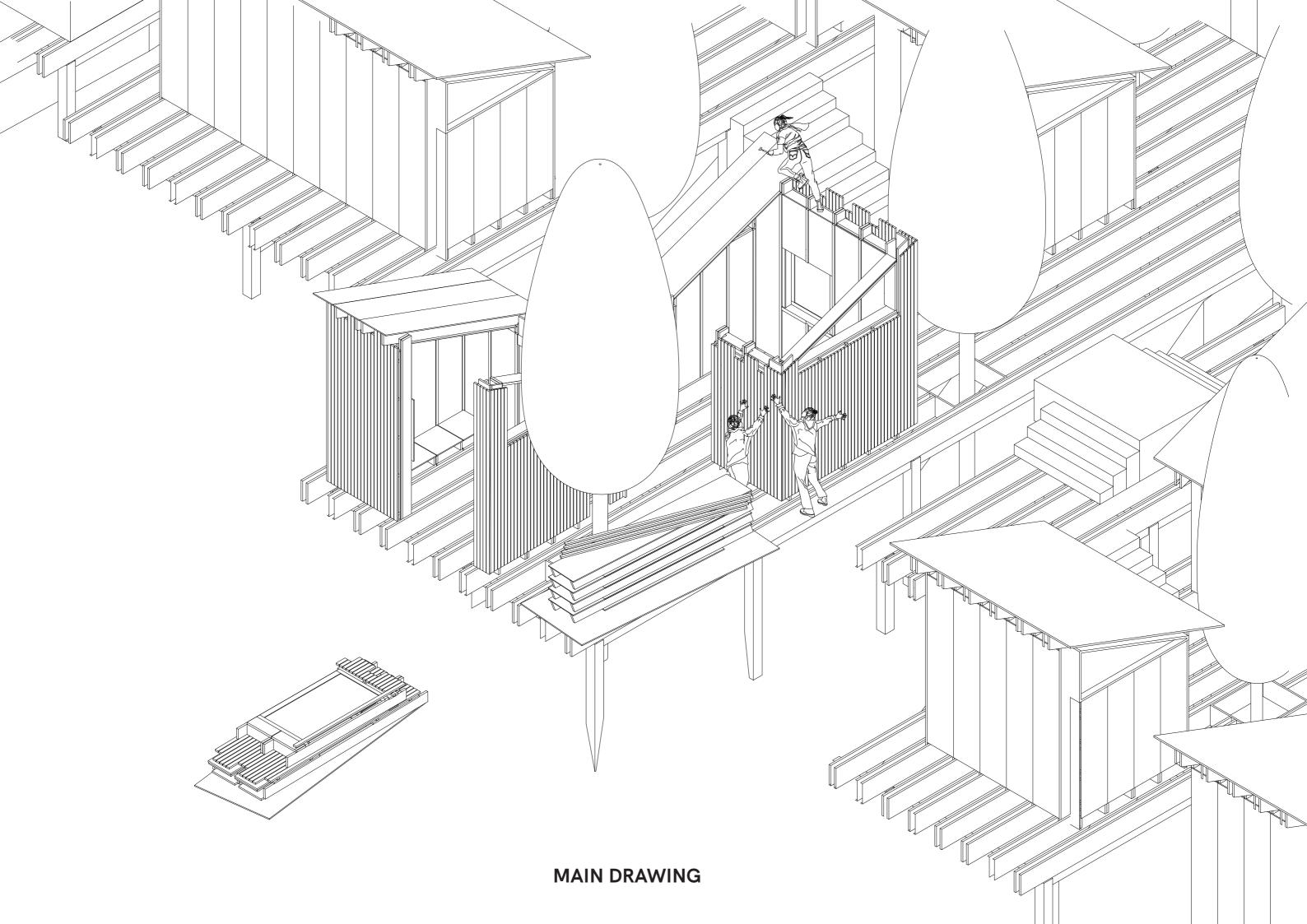
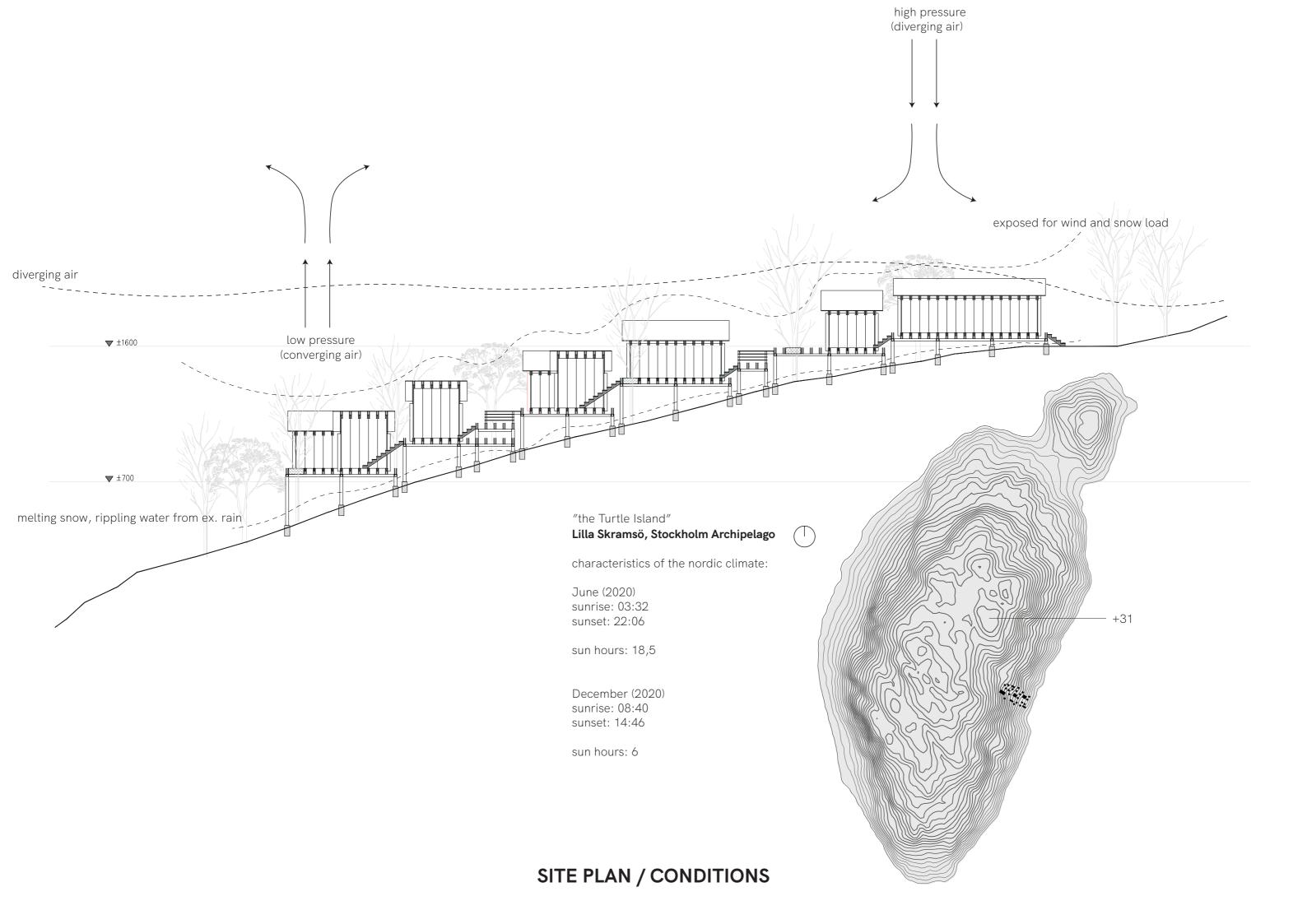
A mountain in a steep.



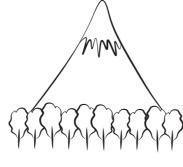
Yidian | Moa | Sophie



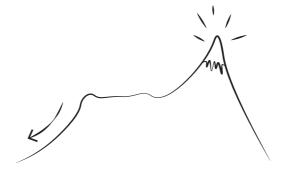




A mountain tends to be narrower at its top then at the base.



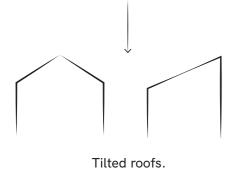
A mountain is a landform that rises prominently above its surroundings.



They usually have steep, sloping slides and sharp or rounded ridges and a a high point called peak or summit.

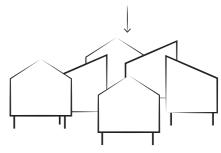


Very rarely do mountains occur individually. In most cases, they are found in elongated ranges or chains. When an array of such ranges is linked together, it constitutes a mountain belt.



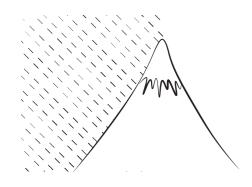
Lifted up.

Different Levels [shaped by the ladscape].

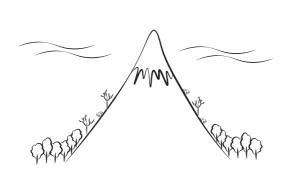


Individual landforms [units] but supporting each other.

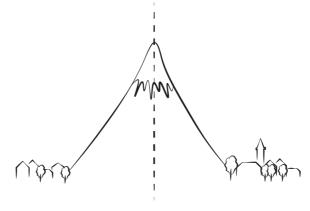
Opportunity to move from one to another.



Their height can influence weather patterns, stalling storms that roll off the oceans and squeezing water from the clouds. The other side is often much drier.



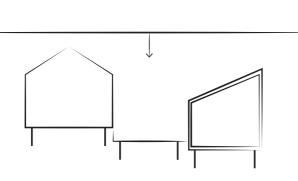
Mountains have different climates [...]
The climate of a mountain tends to include colder weather, wetter weather, and thinner air.



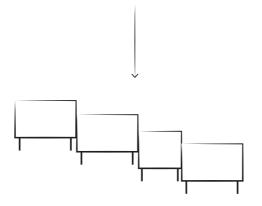
Mountains often serve as geographic features that define natural borders.



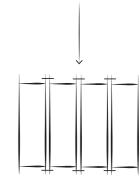
The folding of layers of sedimentary rocks with thicknesses of hundreds of metres to a few kilometres often leaves long parallel ridges and valleys termed fold belts.



Different climatic zones.

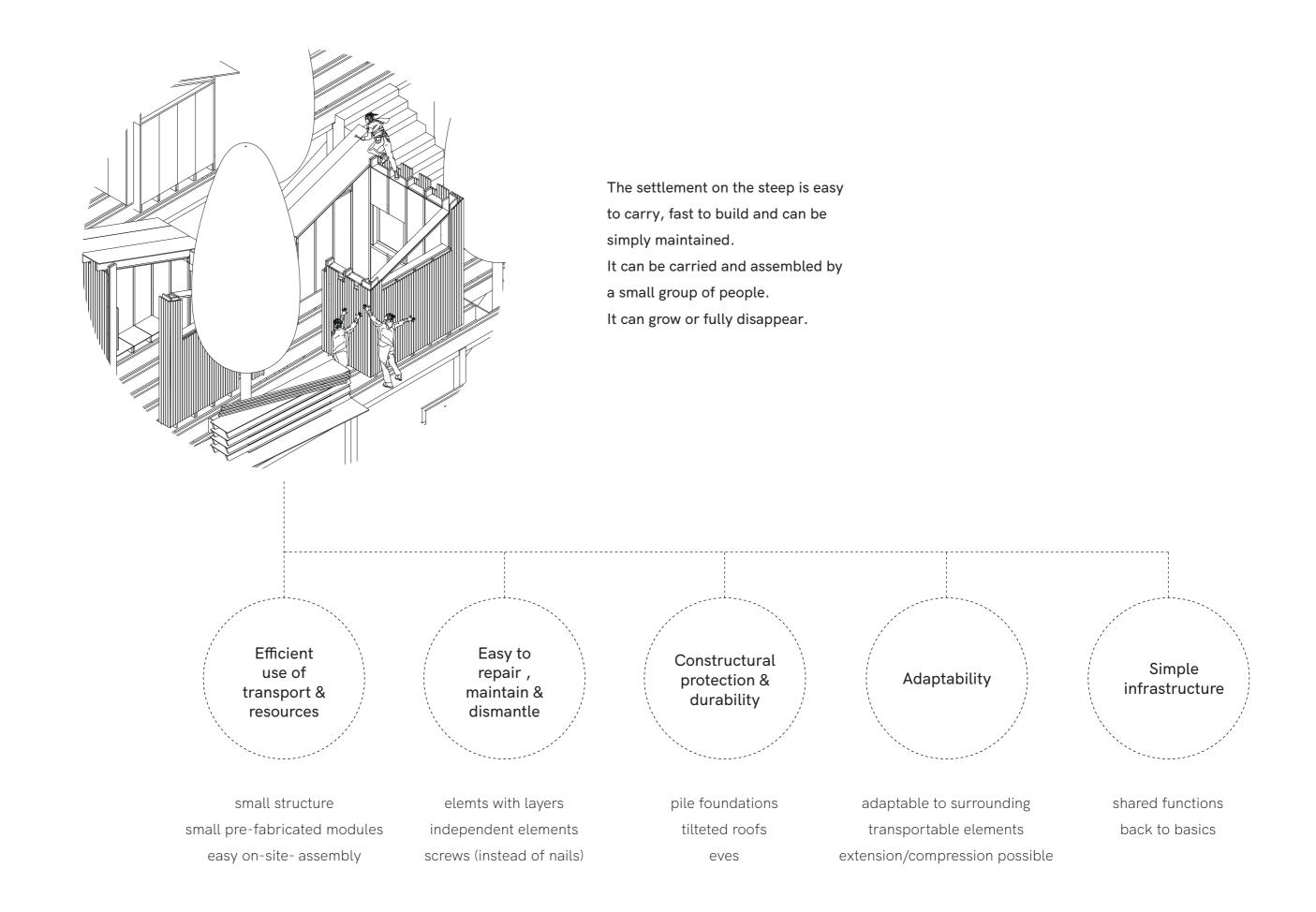


Natural division / zoning due to different levels.



Small elements supporting each other forming one strong unit.

CHARACTERISTICS OF A MOUNTAIN



Building

	W	<i>l</i> all			
	Wall A	Wall B	Wall C		
	330x60cm	240x60cm	240x60cm	330x60cm	
cladding battens insulation					
LVL studs wood board					
WEIGHT					

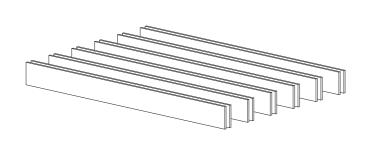
	Roof	Beam	Floor
		330x60cm	60x60cm 50x60cm 50x56cm
insulation LVL studs wood board			
WEIGHT			

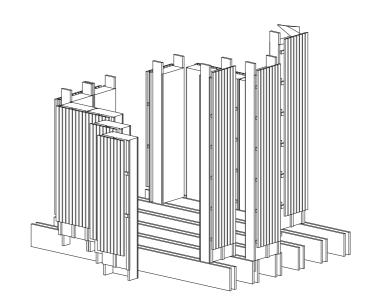
Foundation

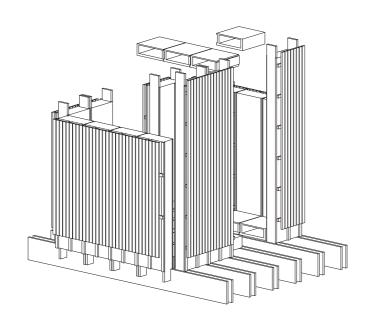
	Beam	Steel Pipe
	40x3.9cm	
LVL studs wood board		
WEIGHT		

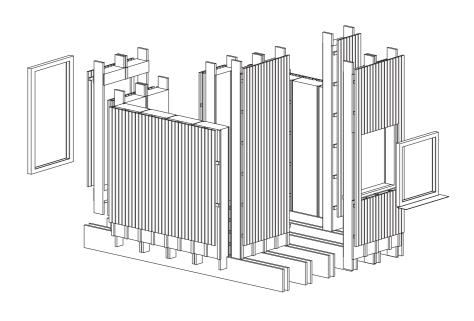
Interior / Furniture

	Interior wall	Furniture
battens		
wood board		
WEIGHT		

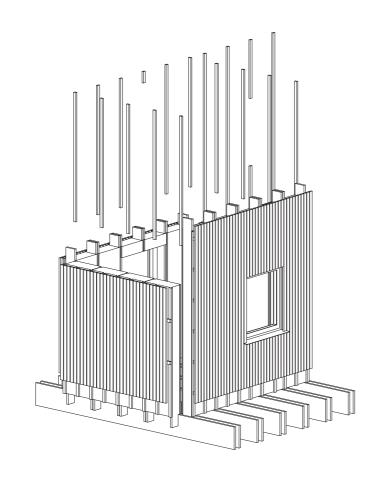


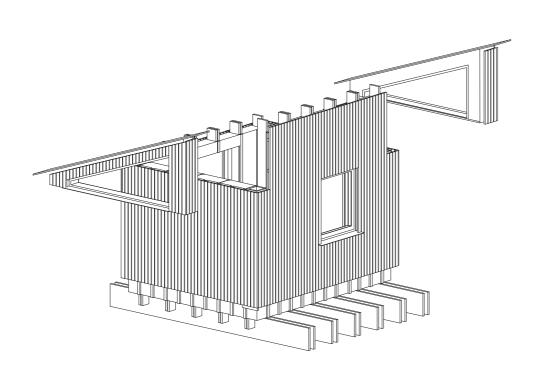


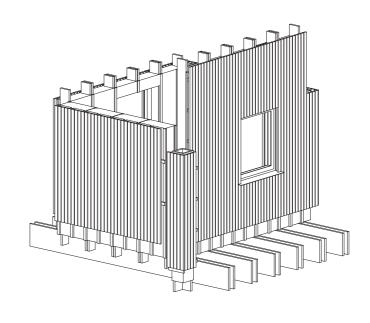


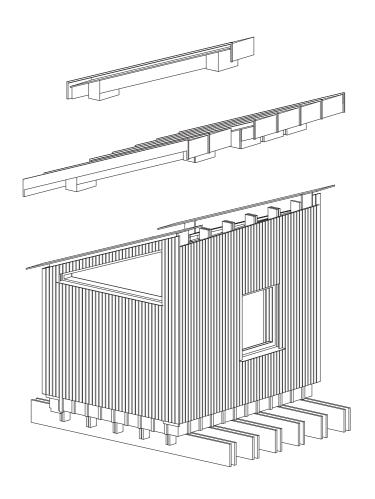


ASSEMBLY

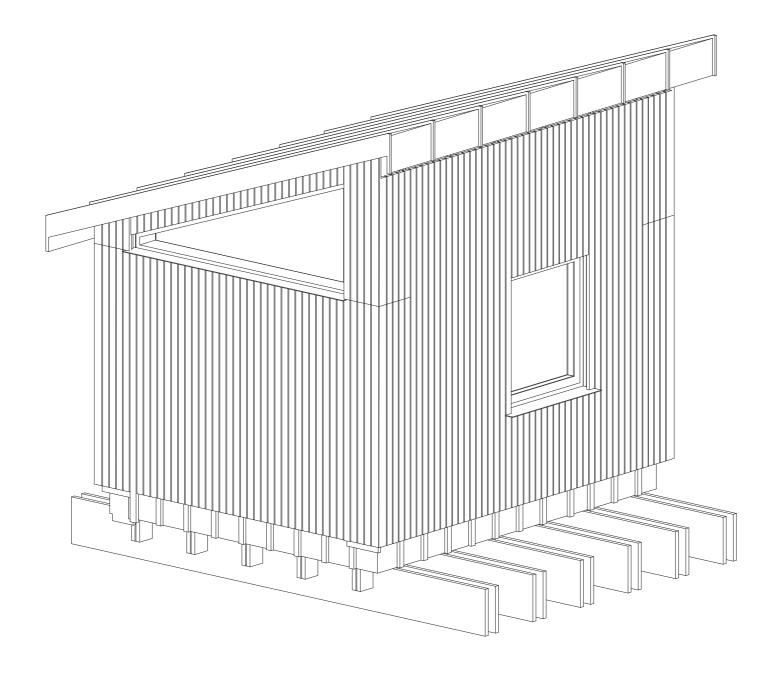








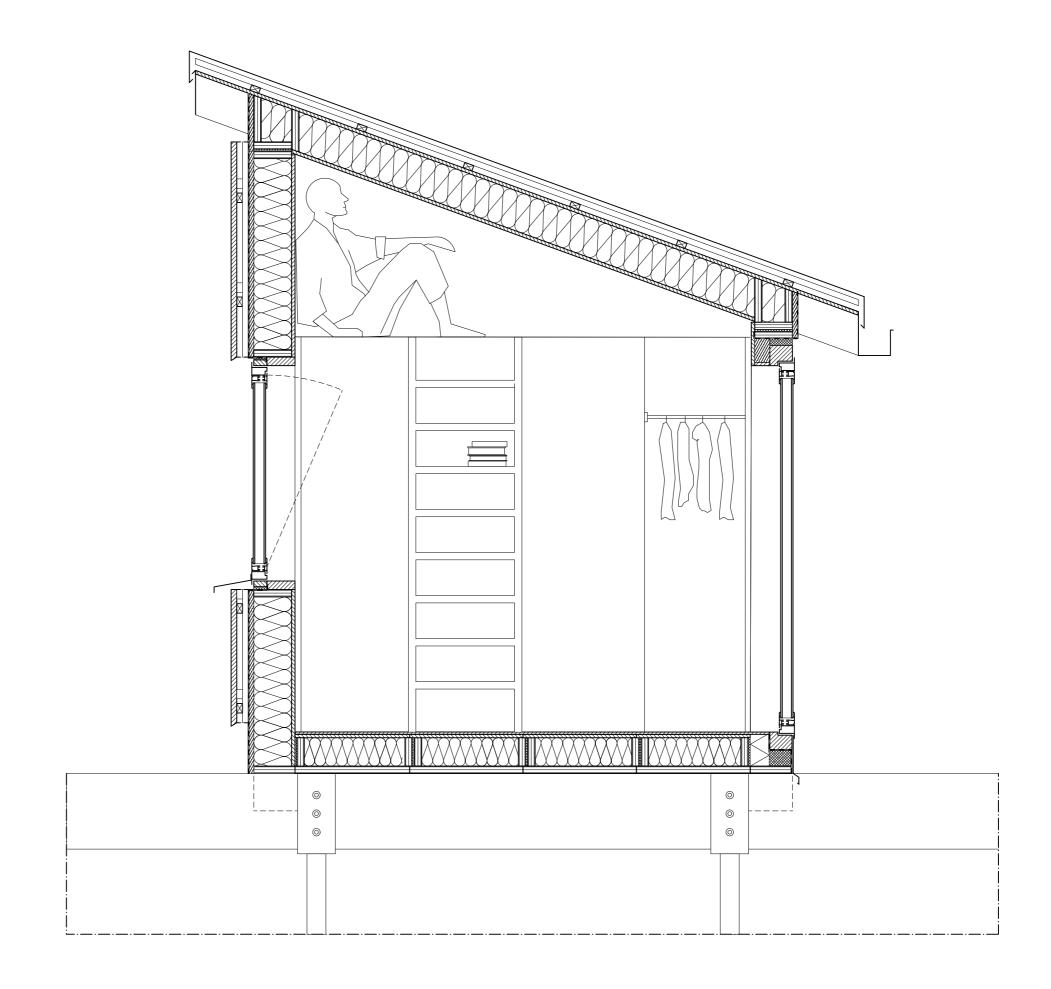
ASSEMBLY



CONSTRUCTION SECTION M 1:25 Metal sheets come with the elements and can be folded **5 - ROOF ELEMENTS** on site. 5 - BATTENS 4 - FLOOR M 1:20 Seams will be covered with the overlapping cladding 3 - WALL - ELEMENTS and battens inside. 2 - GRID 1 - FOUNDATION

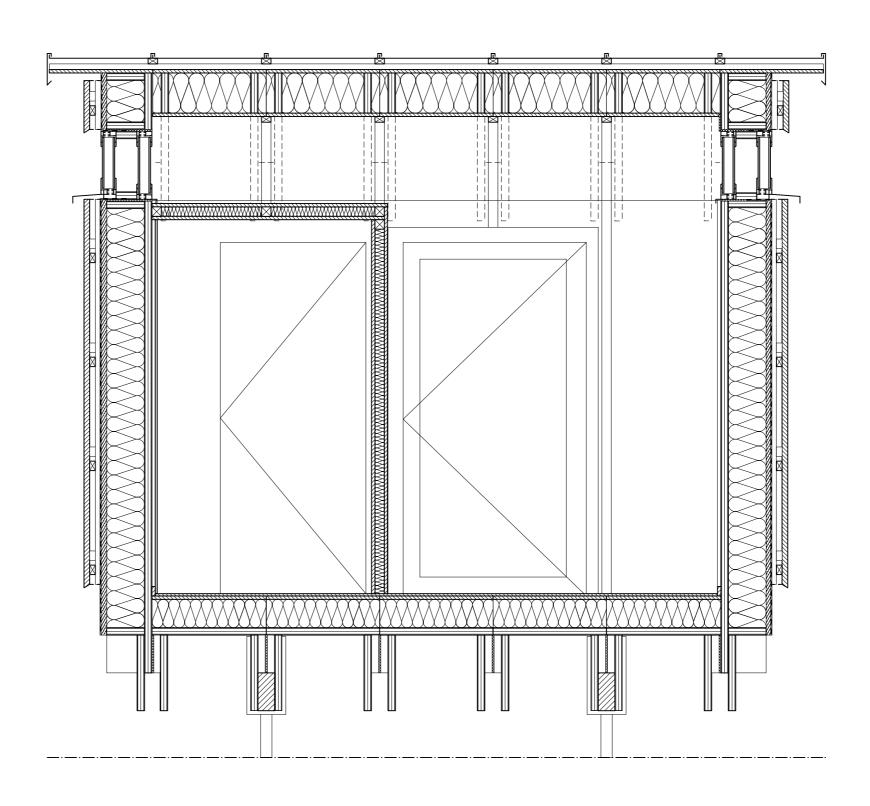
PRIVATE UNIT

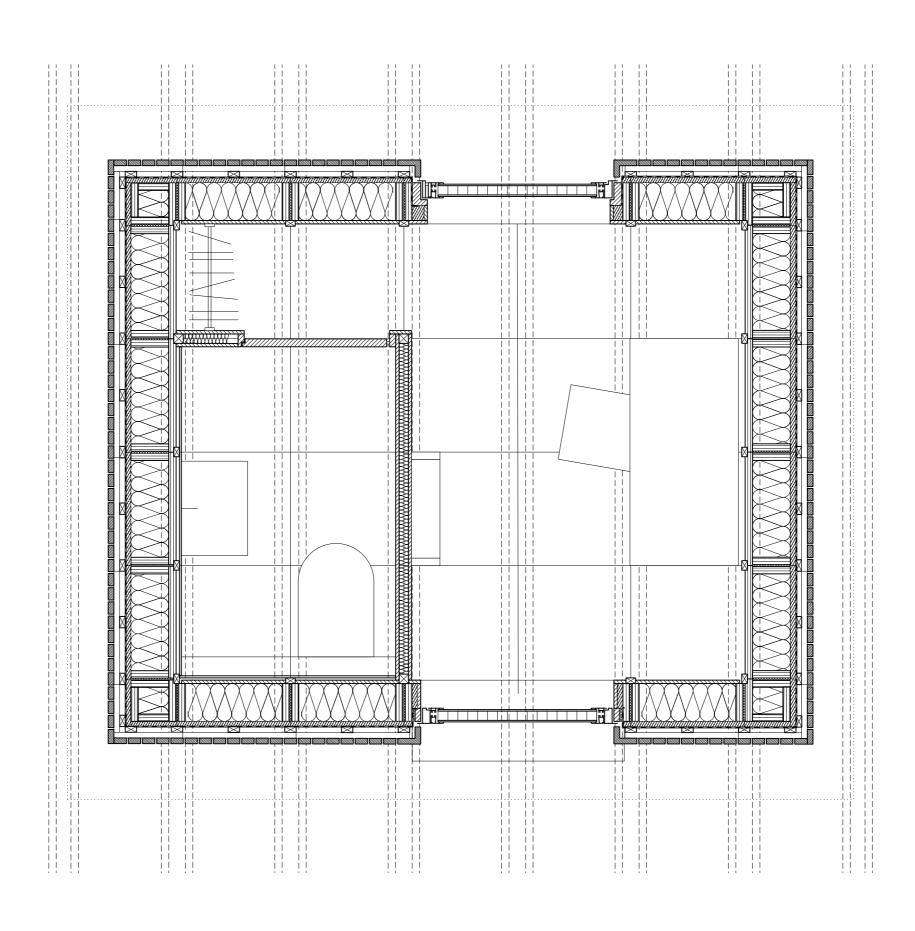
SECTION A
BASIC ELEMENTS
M 1:20

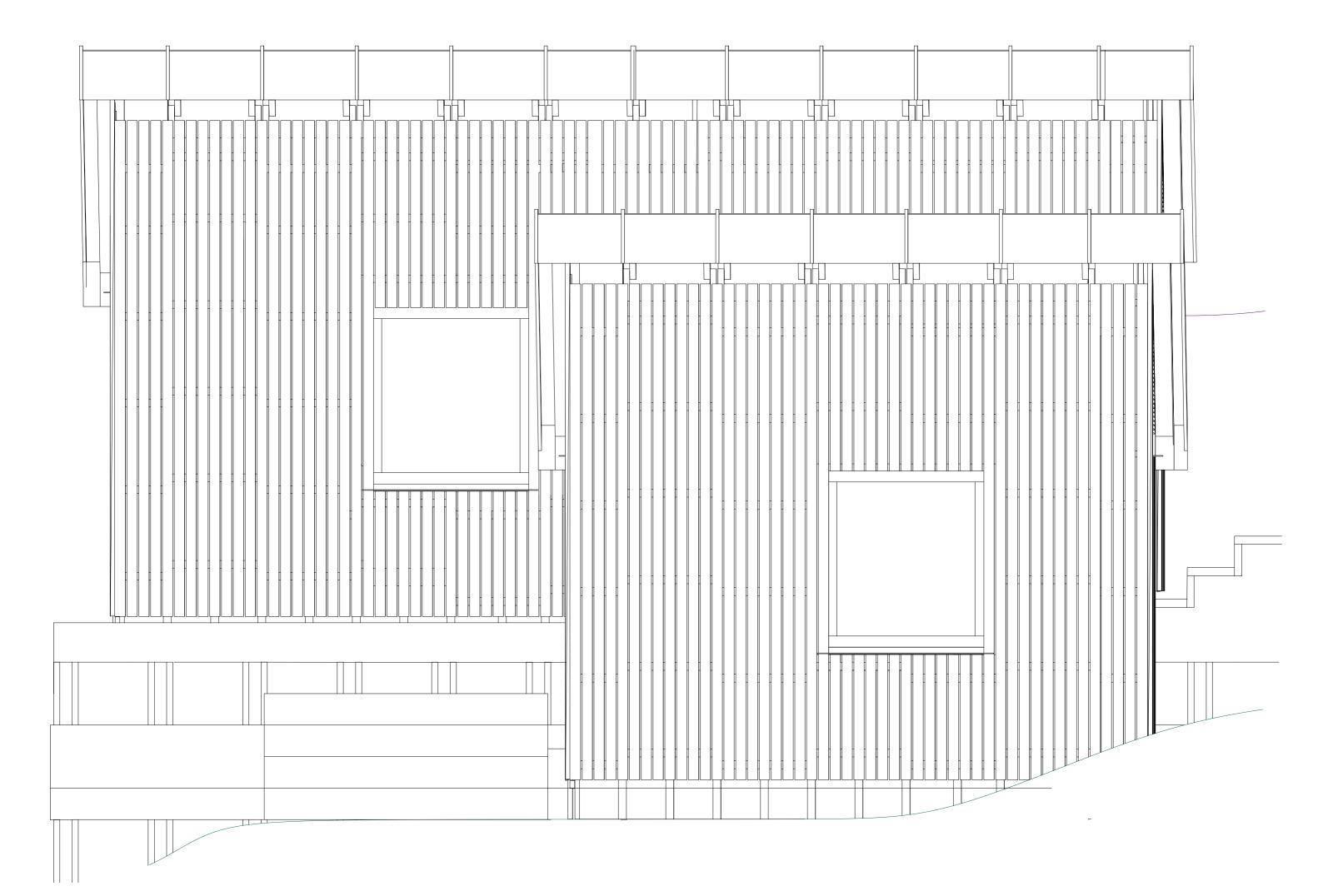


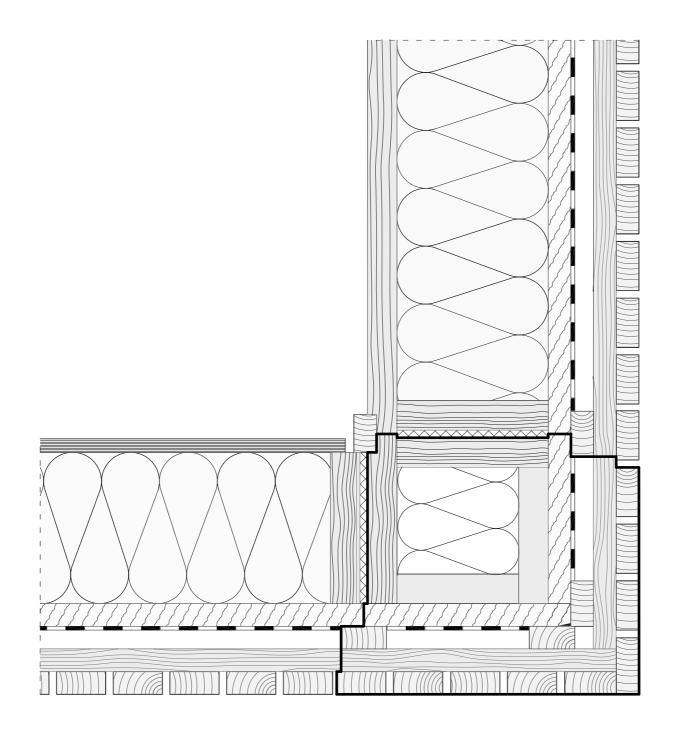
PRIVATE UNIT SECTION B

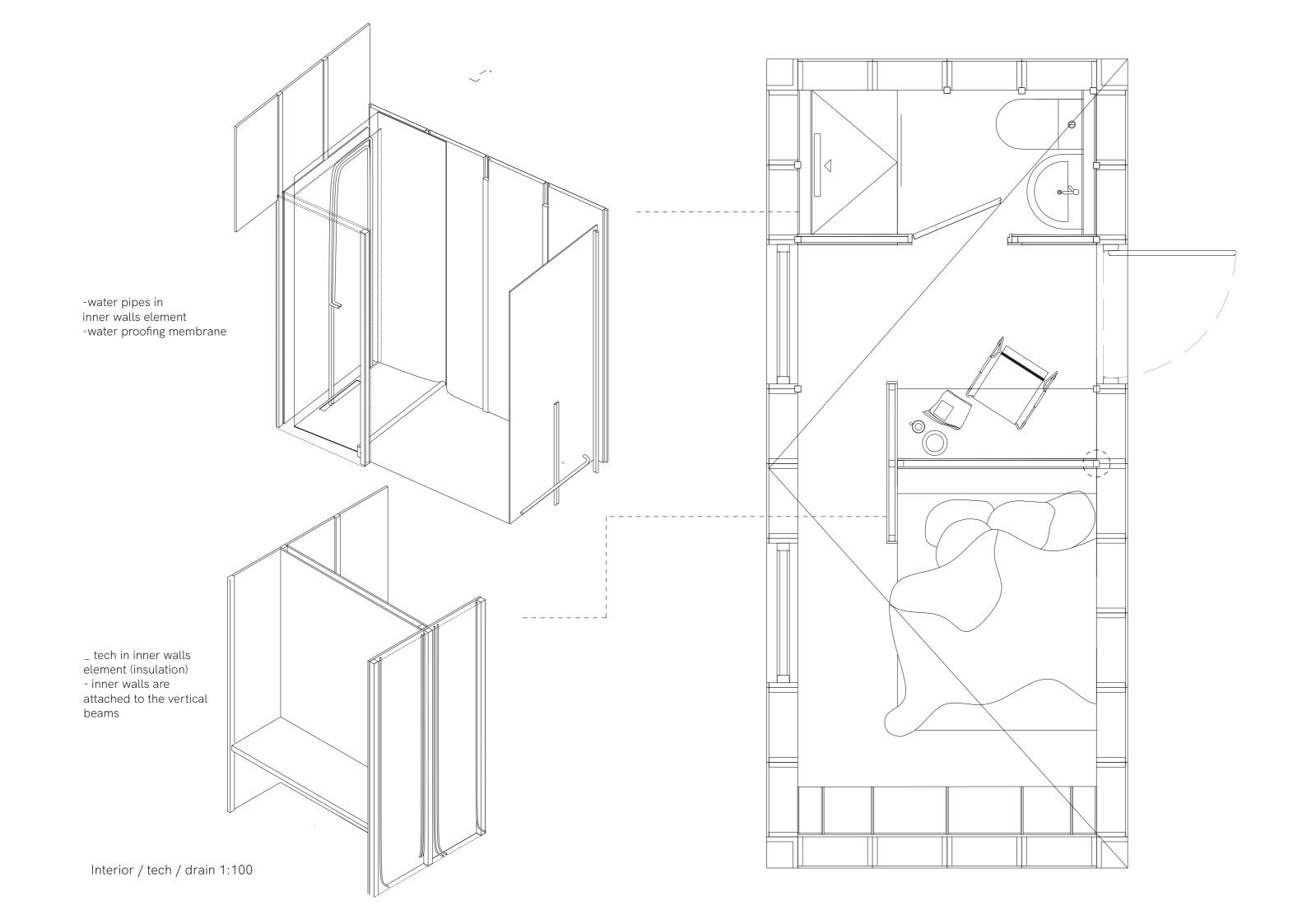
BASIC ELEMENTS M 1:20

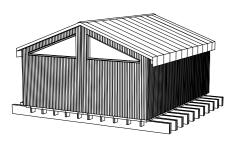


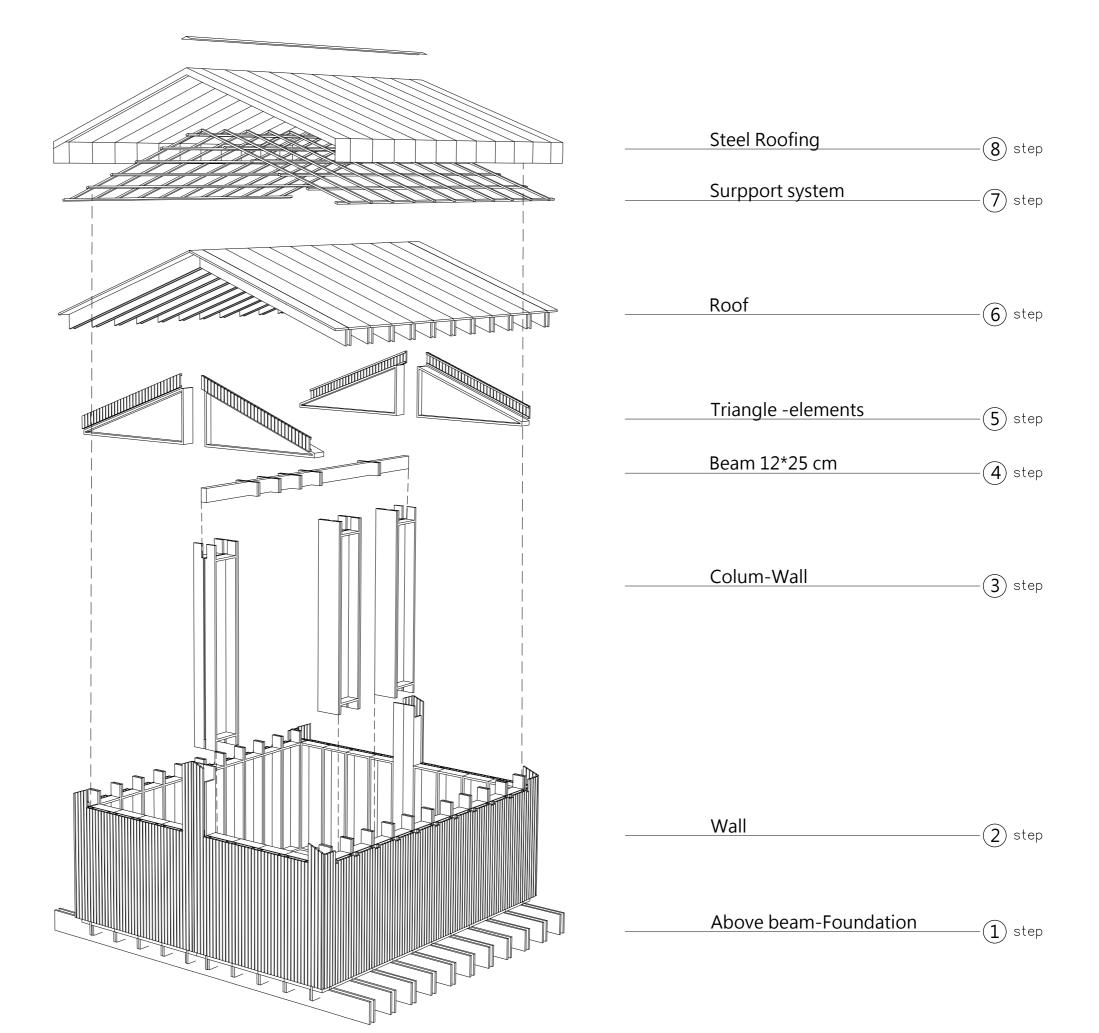




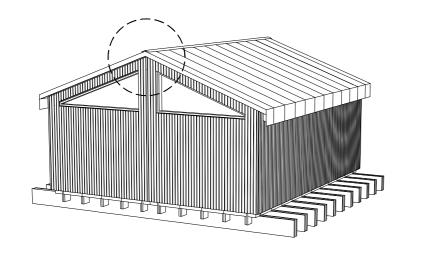


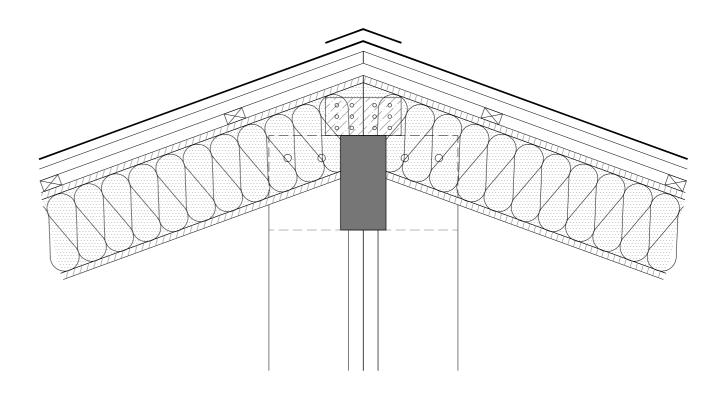




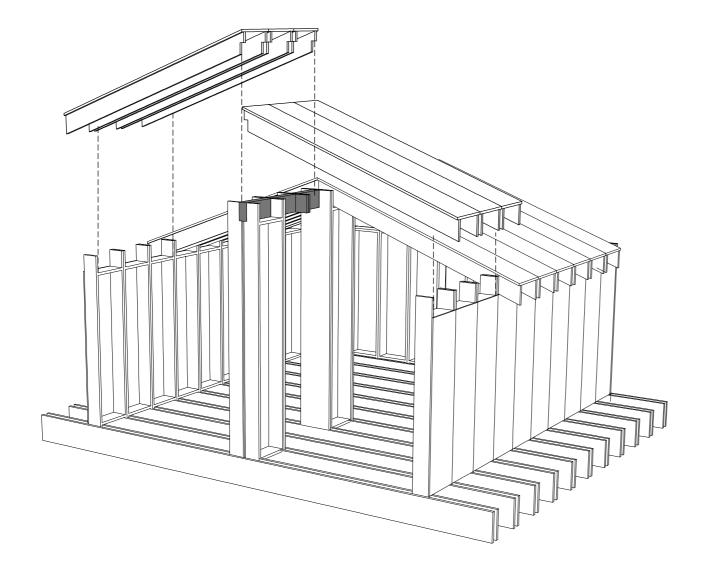


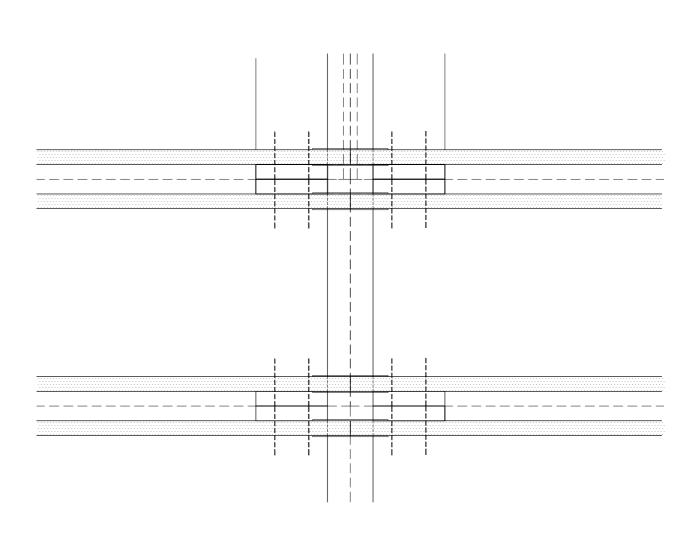
Axonometric - Common Space



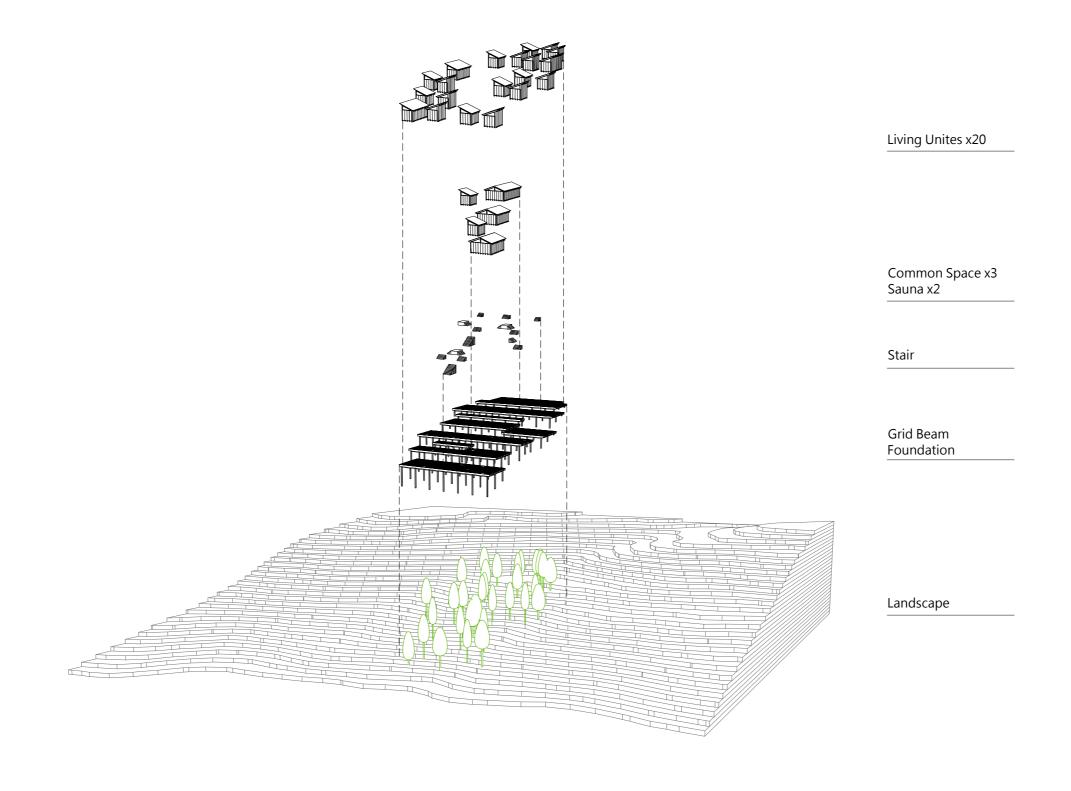


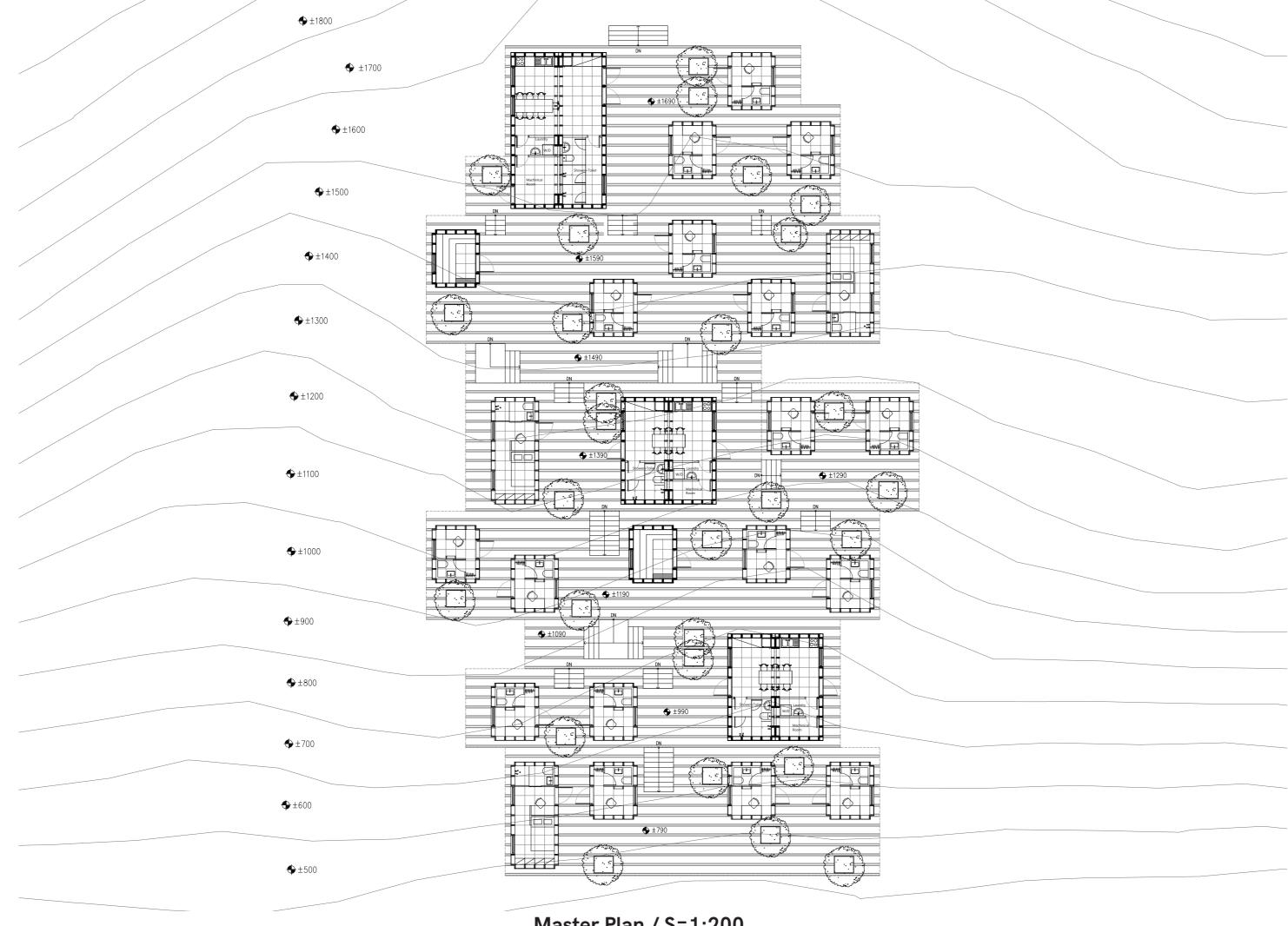
SECTION S=1/10



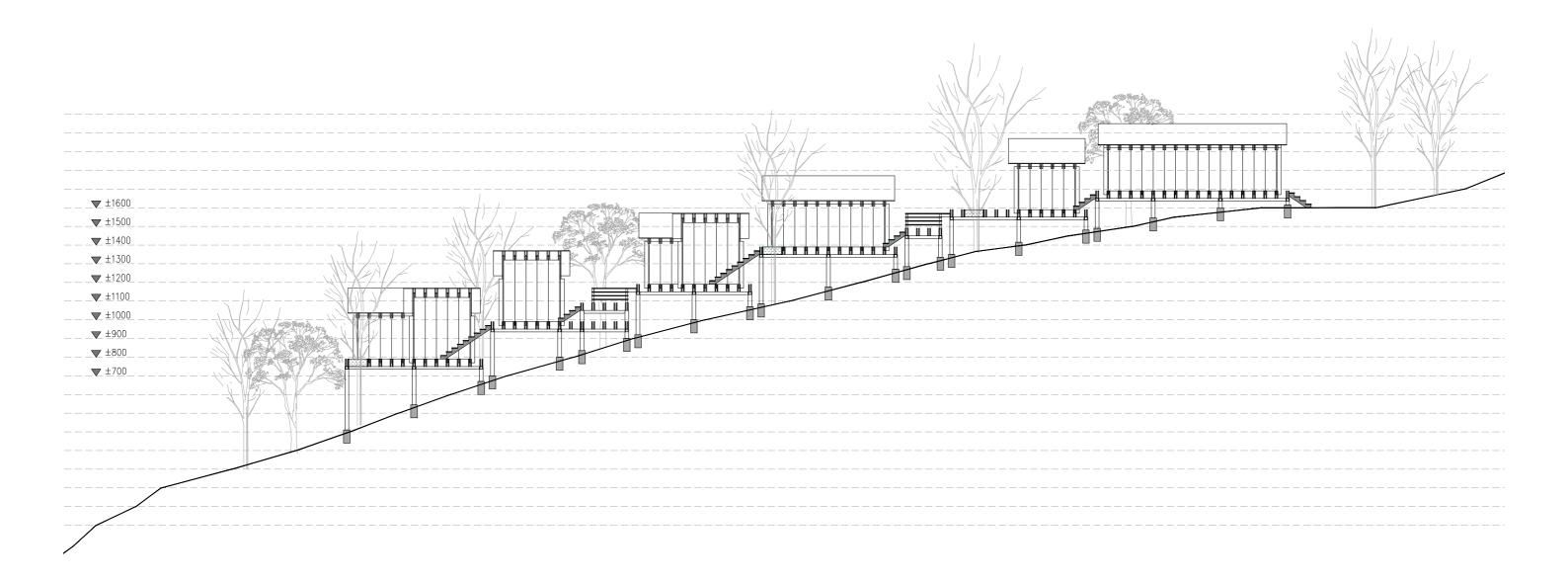


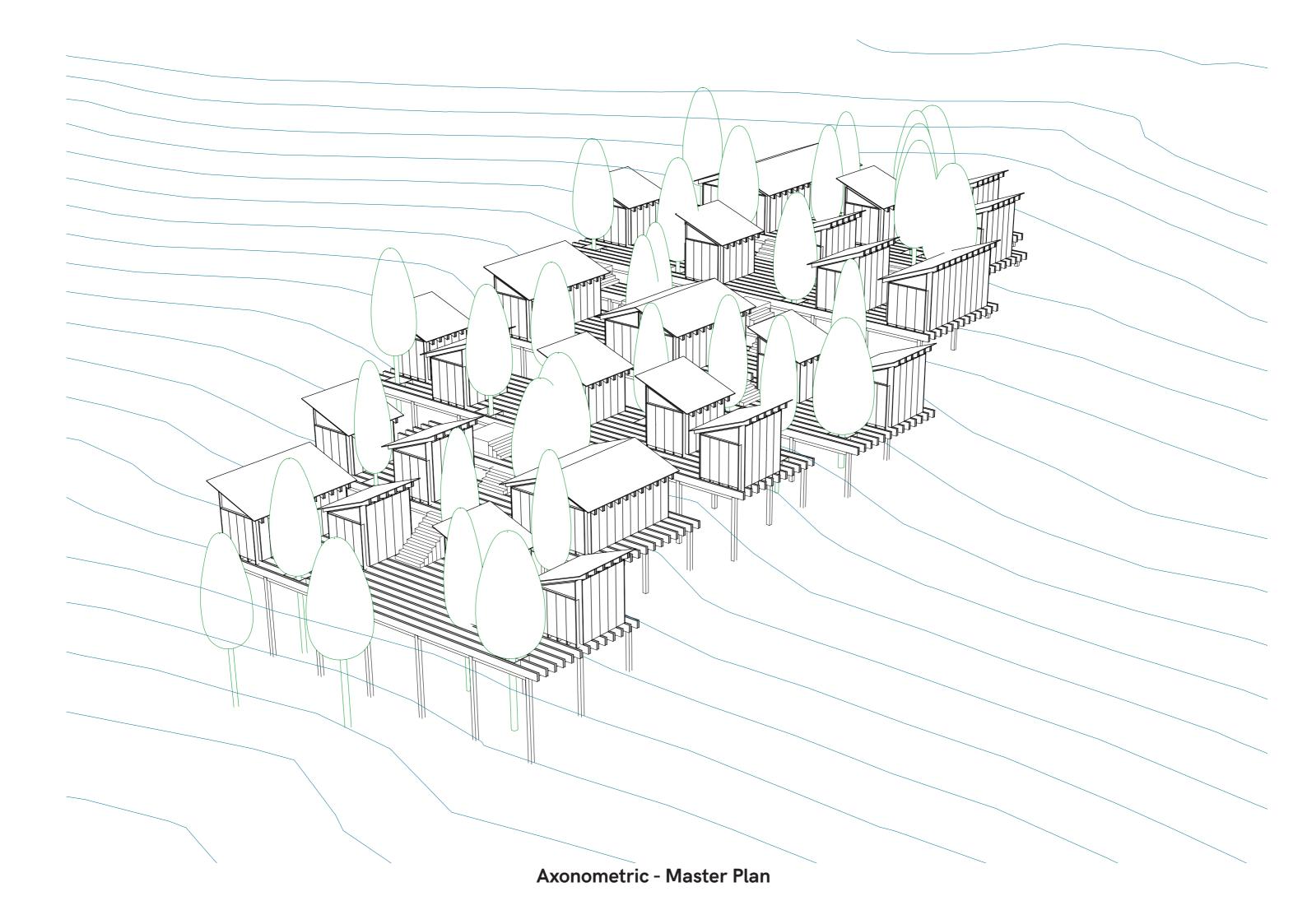
PLAN S=1/10

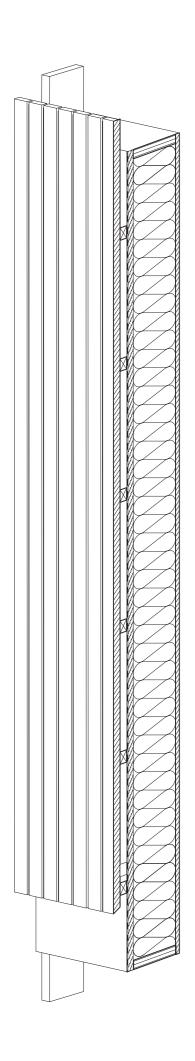




Master Plan / S=1:200









cladding 30/65mm

the cladding is suggestet to be a vertical larch cladding. Larch is out of the coniferous species a durable choice for the outdoor use. The vertical batterns could come in even lengths and will be easy to maintain and prefabricate. They would overlap the seams and will be fixed with screws. Thermally modified they could last (exposed to heavy rain) 25 years.



battens / counter battens 30/50mm

the battens would come in evenly lengths. The horizontal ones can be produced with short lengths (which gives us a good chance to use recycled wood). They would be sligthly off set to the neighbour wall element. That makes each wall easy to replace or maintain affecting the overall structure.



wood fibre insulation 30mm

wood fibre boards are a very sustainable choice to cover the balloon frame structure while it stays water vapour permeable. With less then 40mm we can use wood fibre boards from wet processing, which means they contain only lignin and no other additives as binder. That would mean a compostable broduct in the end of the life cycle.



wood chip insulation 200mm

the insulation in between the studs is considered to be wooden chips. Those could also be secondary / recovered products from the industry (e.g. sawmills). This natural insulation is perfect for pre fabrication since it can be filled and compressed optimally in the factory. Besides, other blow in insulations like cellulose might subside a lot with timeand contain additives affecting the afterlife of our surrounding wood.



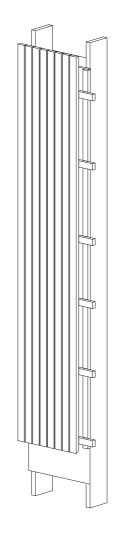
LVL studs 39mm

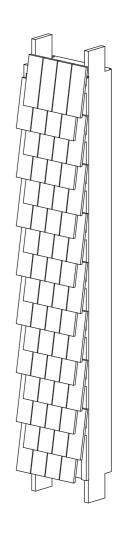
LVL is chosen since it allows for the precise pre fabricated shapes and sice is a very efficient material. The little use of bolts and metal contaminats (seams, top and bottom) should make it easy to use the middle part of the board further.



diagonal orientated wood board 18mm

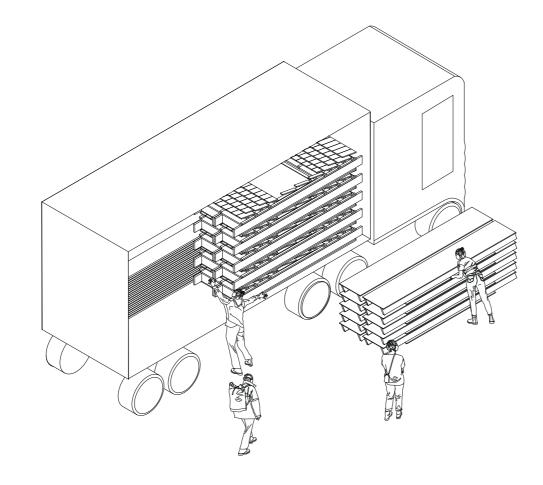
In the back a massive wooden board, orientated diagonally stiffens the frame structure. Hereby we are using an glue-free and airtight alternative to OSB that could be reused afterwards, and is considered to be very durable. Besides it provides an aesthetically attractive interior surface.





due to the aim of keeping the amount of elemets little we suggest a vertical cladding the elements would overlap and enclose the structure. Similar hights make it very easy to prefabricate. The straight structure will ease the transport.

another option is presented to be shingles. Large shingles are considered to be the most durable choice and will last up to 50 years. Also the elements would grab into each other and cover the seams very naturally. Still it will cause more complex elemetations and the small parts might be more difficult to bring on site.



Small units within the elements, which makes it easy to transport.

