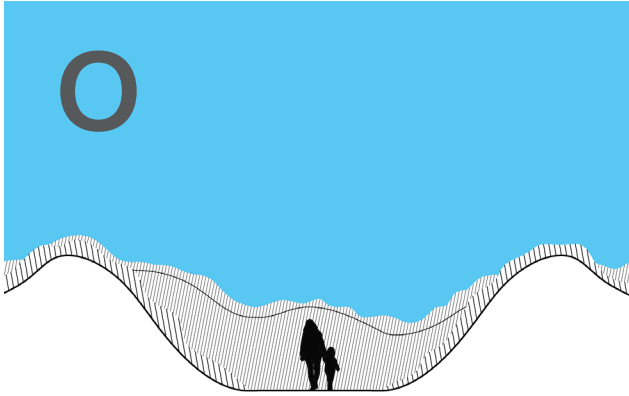


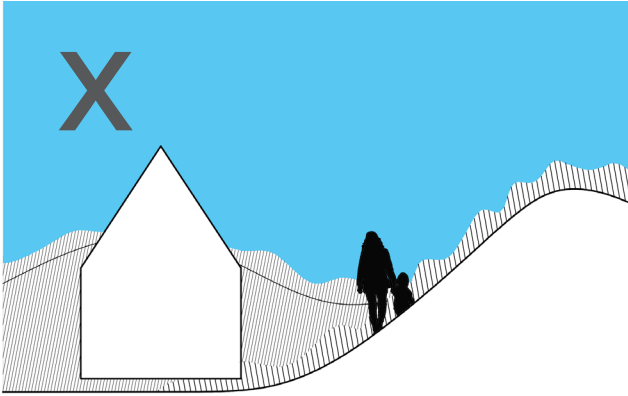
# HOW TO MAKE A HARVESTED HOME

## POSITION

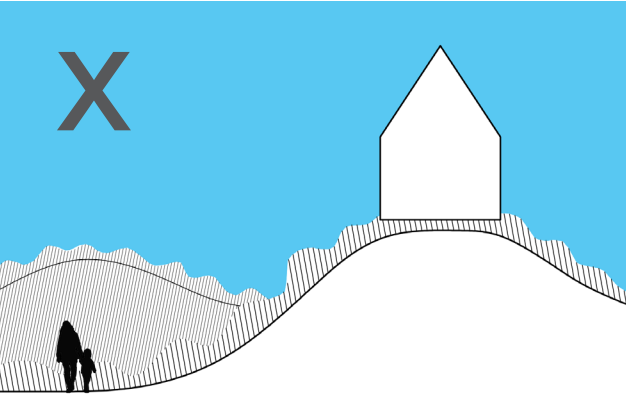
**A.** Access at Foot of the Dune



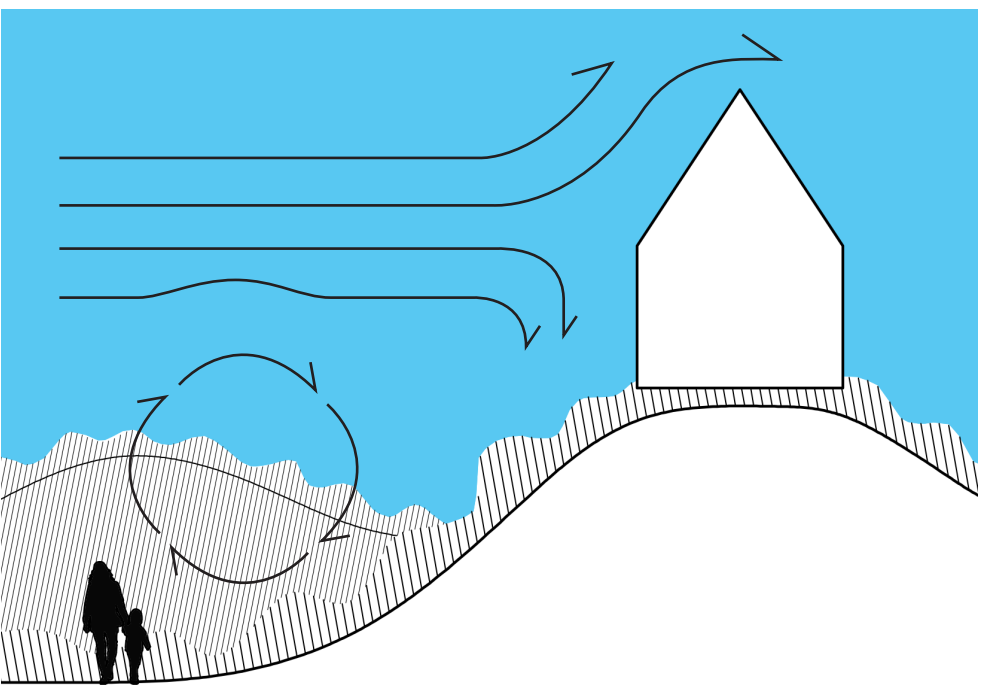
**B.** At Foot of the Dune



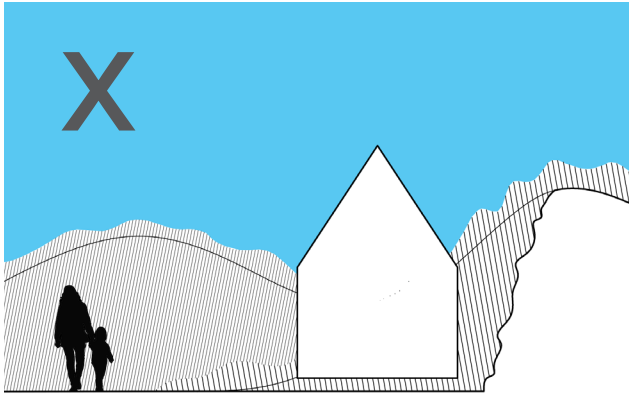
**C.** On Top of the dune



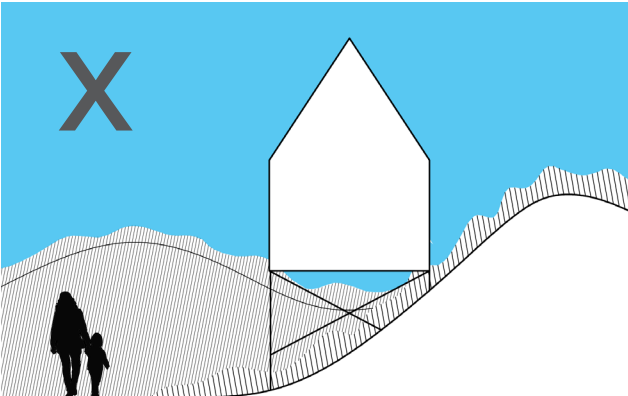
**H.** Wind Exposure ( and Microclimates)



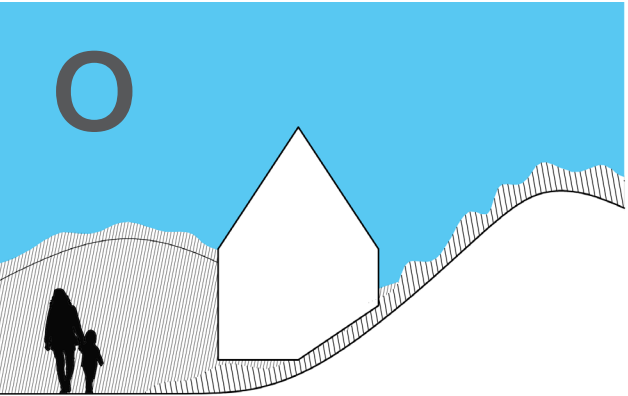
**D.** Carved Into the Dune



**E.** Raised above the Dune



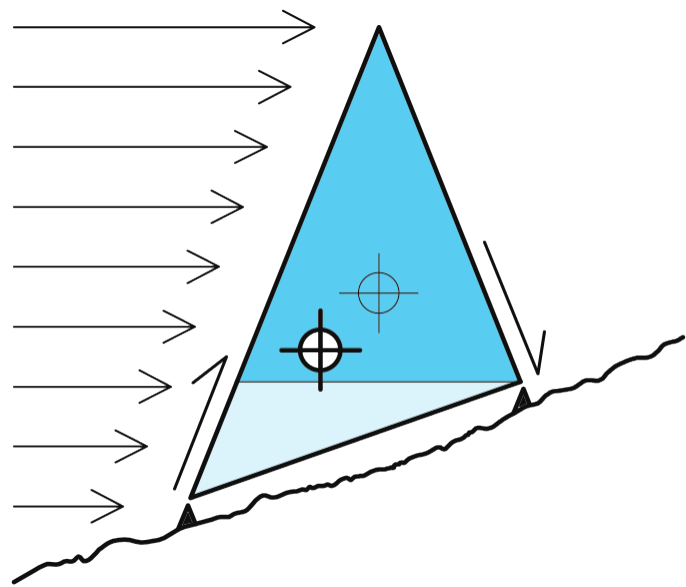
**F.** Alongside the Dune



## GENERAL FORM

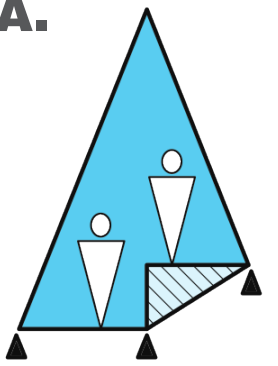
**TRIANGULAR STRUCTURE**

- I. 4m Wide Base (interior)
- II. Increased Stability
- III. Adapted to Sloped Terrain

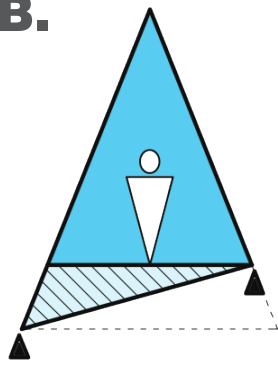


**MULTI-LEVEL INTERIOR**

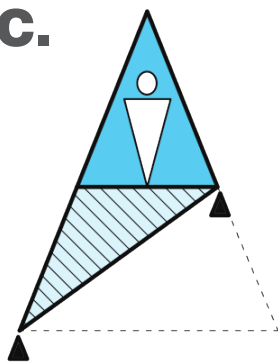
**A.**



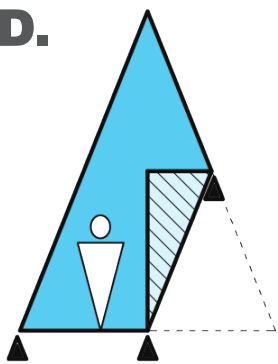
**B.**



**C.**

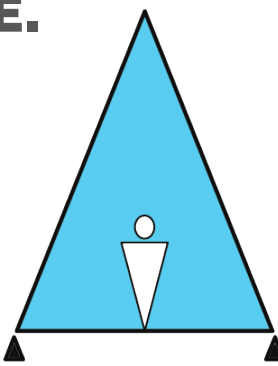


**D.**

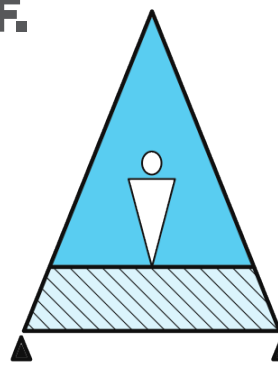


**2-STOREY CAPACITY**

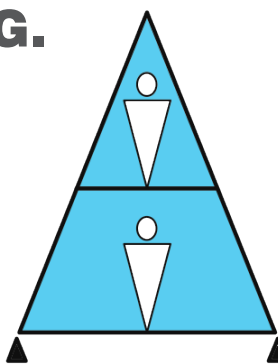
**E.**



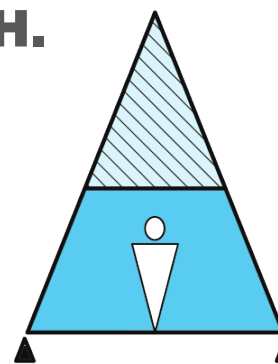
**F.**



**G.**



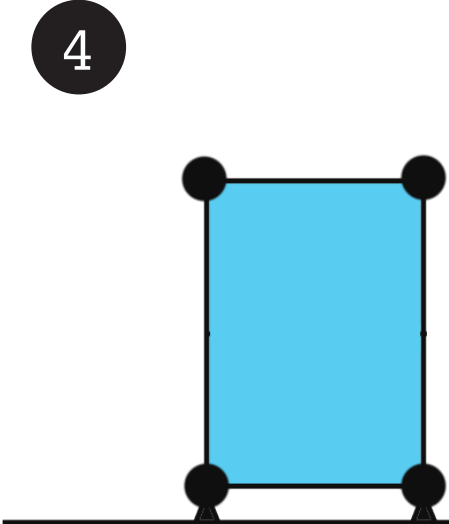
**H.**



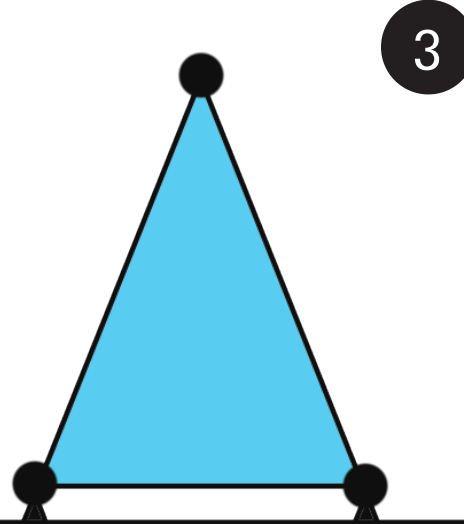
## ADVANTAGES

**FEWER CONNECTIONS / WEAK POINTS**

**I.** 4 Weak Points



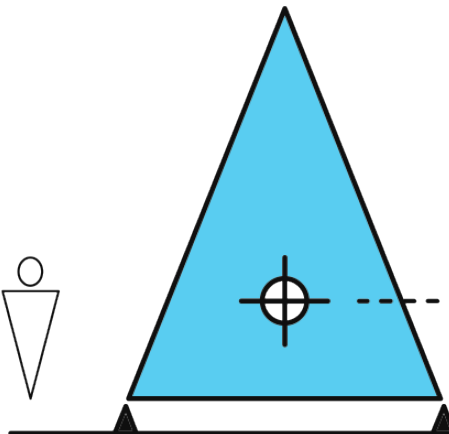
**J.** 3 Weak Points



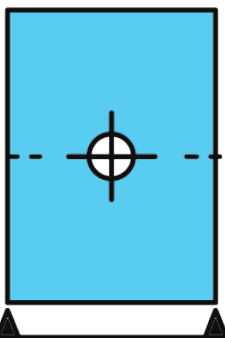
**LOWER CENTER OF GRAVITY**

All sections displayed have the same area.

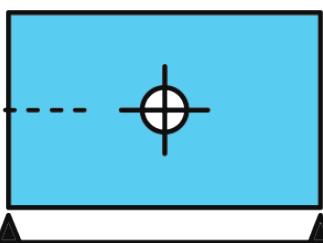
**K.** Lower Center  
2 Floor Capacity



**L.** Highest Center  
2 Floor Capacity

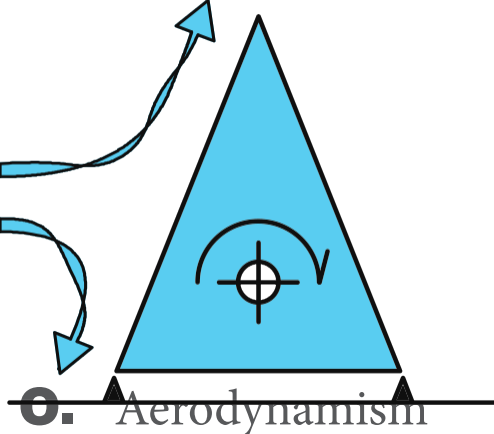


**M.** Low Center  
1 Floor Capacity

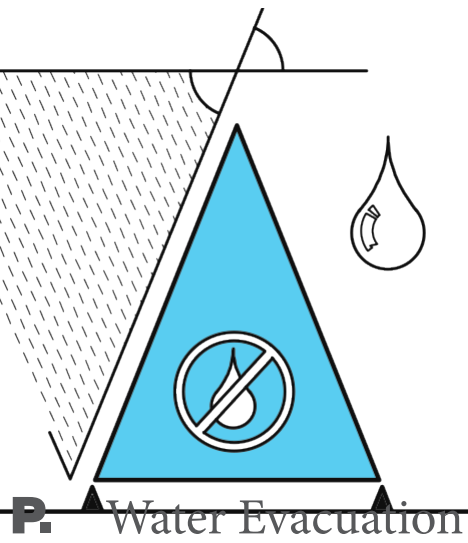


**ENVIRONMENTAL ADVANTAGES**

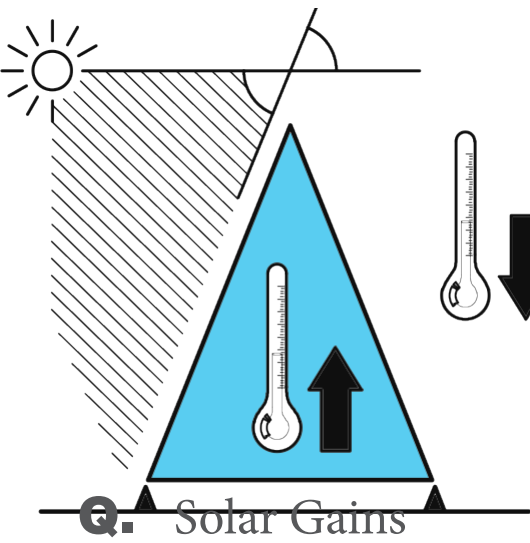
**O.** Aerodynamism



**P.** Water Evacuation

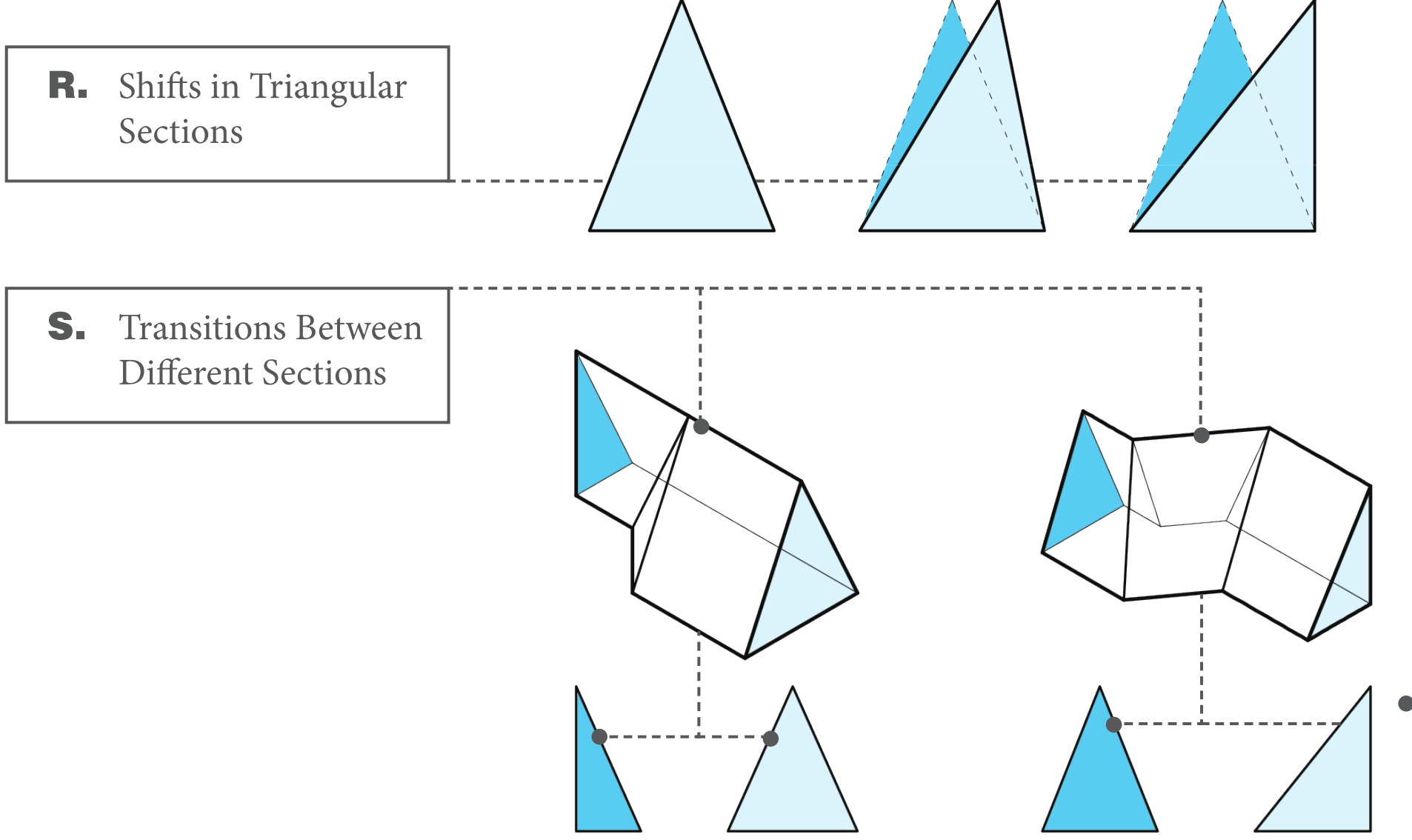


**Q.** Solar Gains

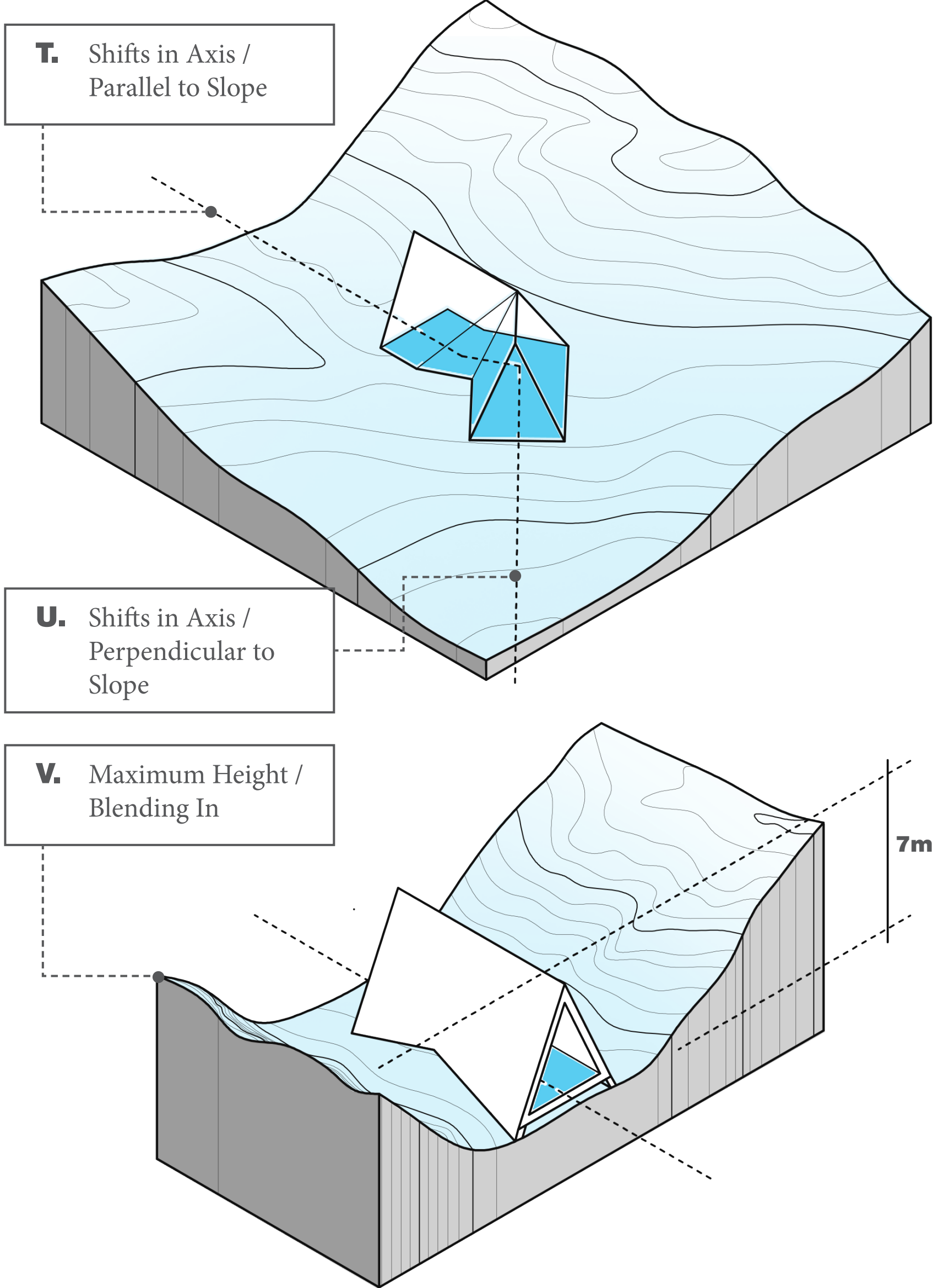
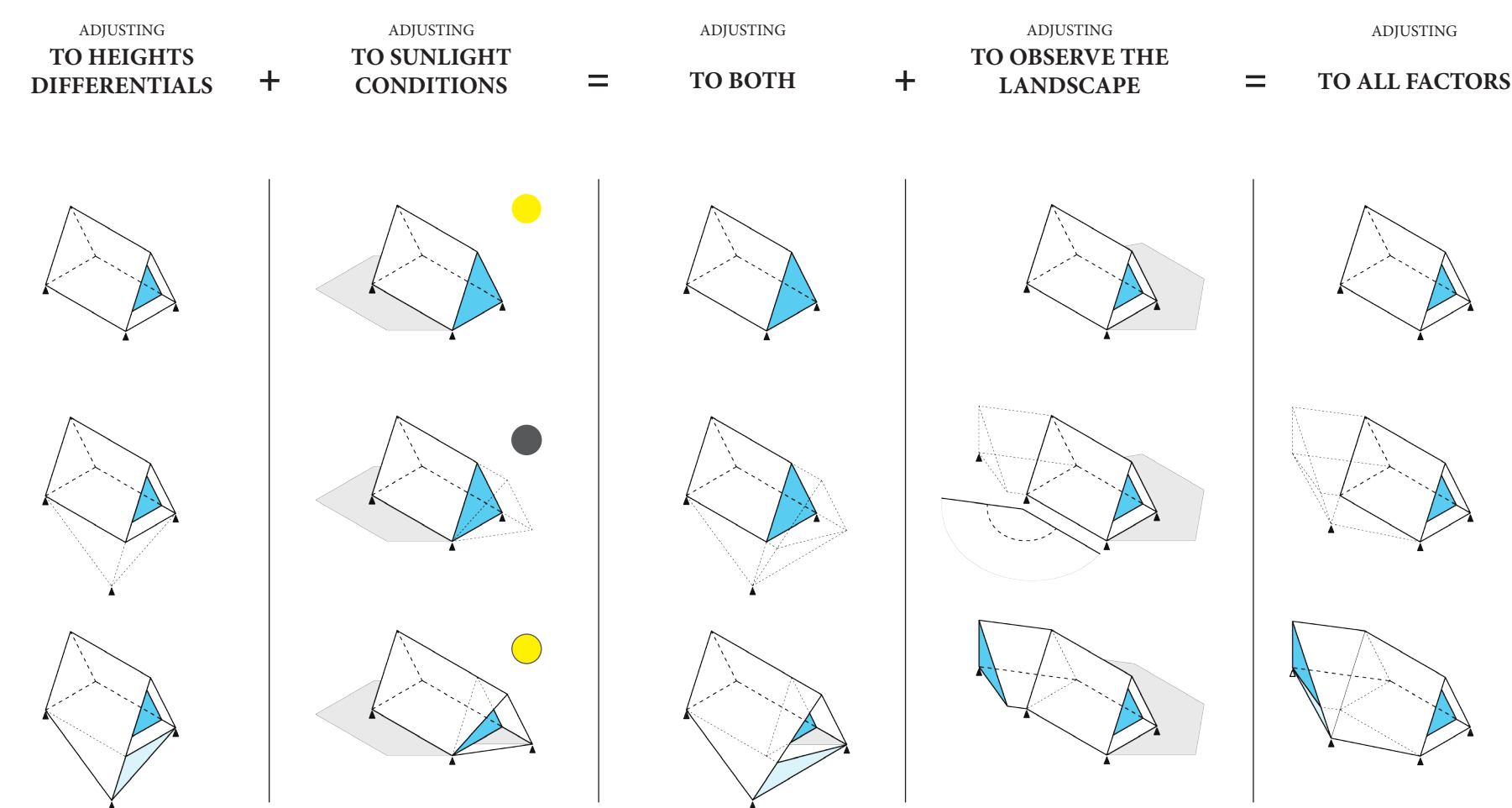




ADAPTABILITY



ENVIRONMENTAL ADAPTABILITY



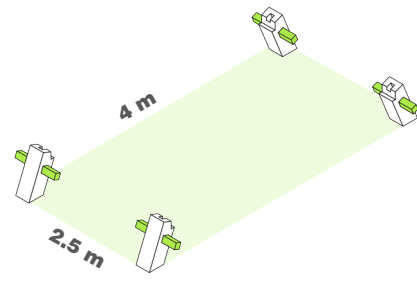
CREATE!





# HOW TO ASSEMBLE A HARVESTED HOME

1. FOUNDATION



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

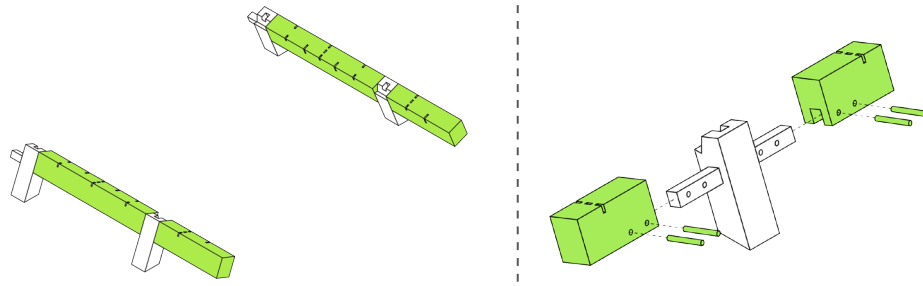
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

2. GIRDERS



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

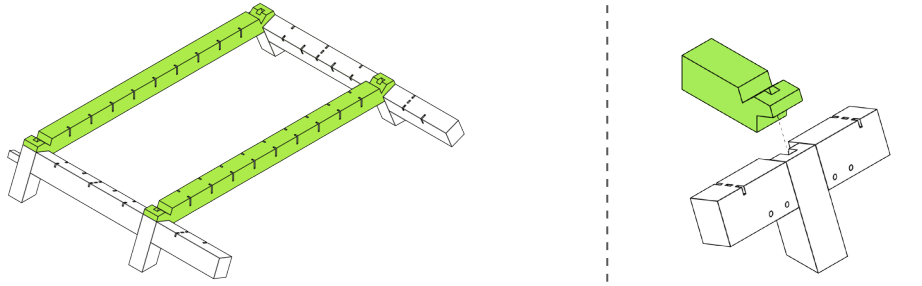
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

3. FLOOR BEAMS



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

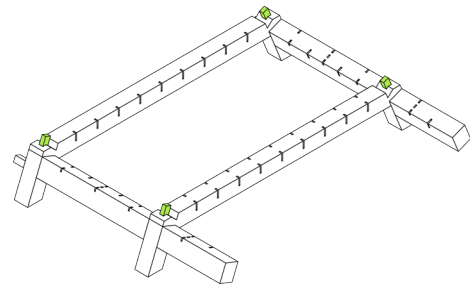
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

4. SQUARE PEG



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

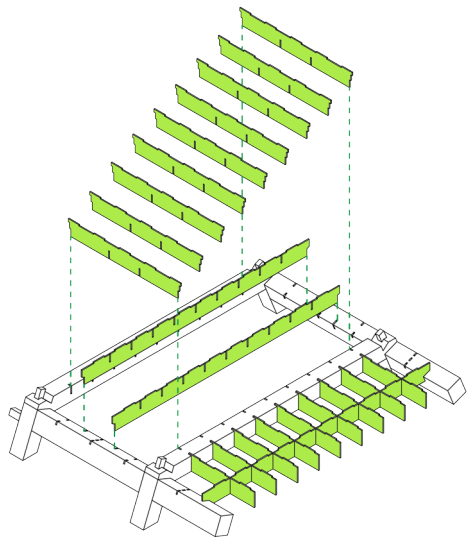
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

5. FLOOR SUPPORT



18 mm PLYWOOD

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

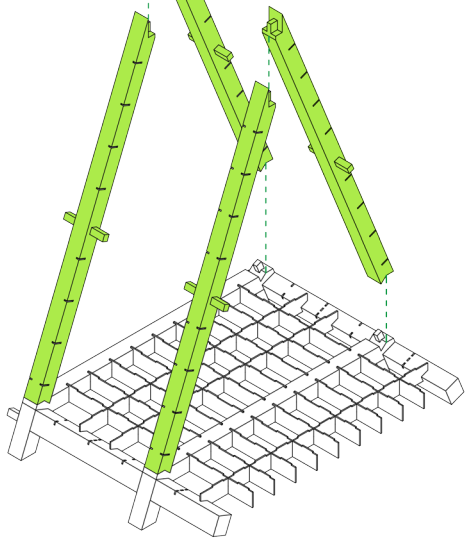
WEATHER RESISTANT

IMPACT RESILIENT

-0.29

kg CO<sub>2</sub>/kg carbon footprint

6. WALL FRAMES



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

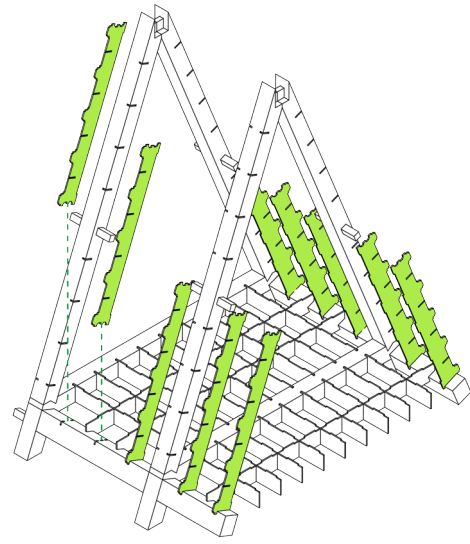
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

7. VERTICAL SUPPORT



18 mm PLYWOOD

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

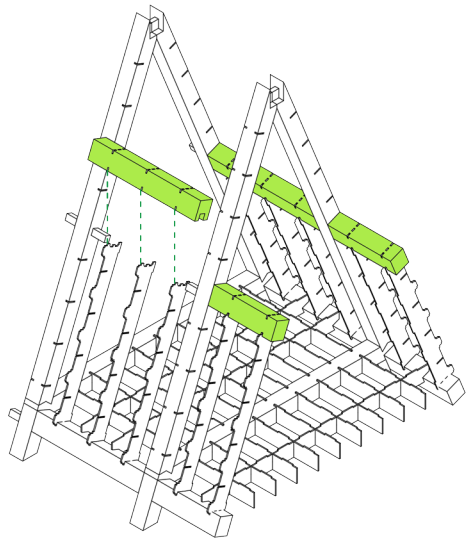
WEATHER RESISTANT

IMPACT RESILIENT

-0.29

kg CO<sub>2</sub>/kg carbon footprint

8. TOP GIRDER



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

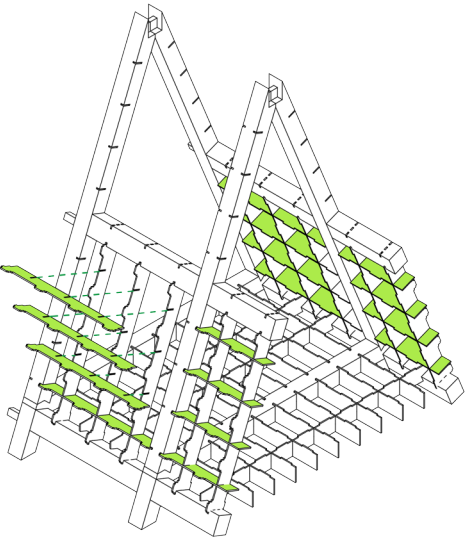
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

9. HORIZONTAL SUPPORT



18 mm PLYWOOD

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

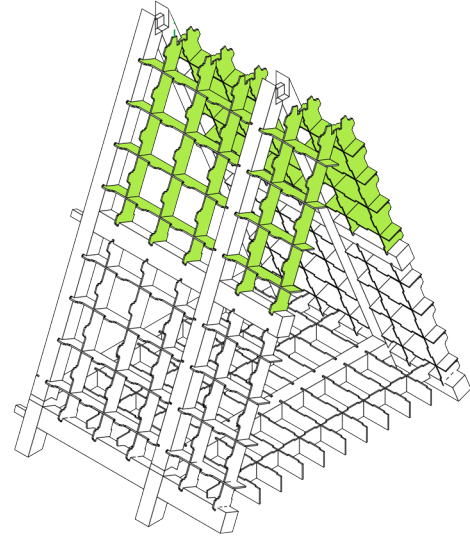
WEATHER RESISTANT

IMPACT RESILIENT

-0.29

kg CO<sub>2</sub>/kg carbon footprint

10. TOP HORIZONTAL & TOP VERTICAL SUPPORT



18 mm PLYWOOD

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

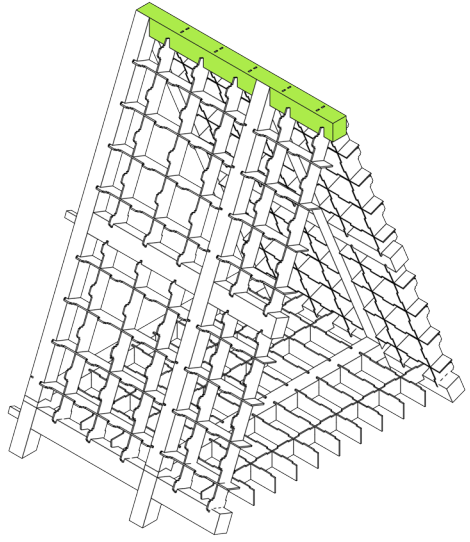
WEATHER RESISTANT

IMPACT RESILIENT

-0.29

kg CO<sub>2</sub>/kg carbon footprint

11. RIDGE



EUROPEAN SPRUCE

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

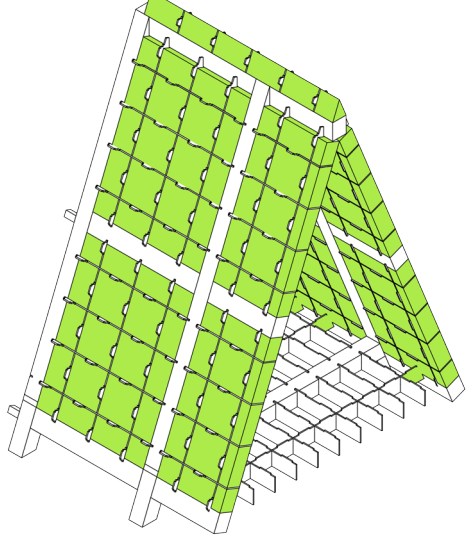
WEATHER RESISTANT

IMPACT RESILIENT

-0.46

kg CO<sub>2</sub>/kg carbon footprint

12. HEMP INSULATION



HEMP FIBRE INSULATION

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

THERMAL RESISTANT

IMPACT RESILIENT

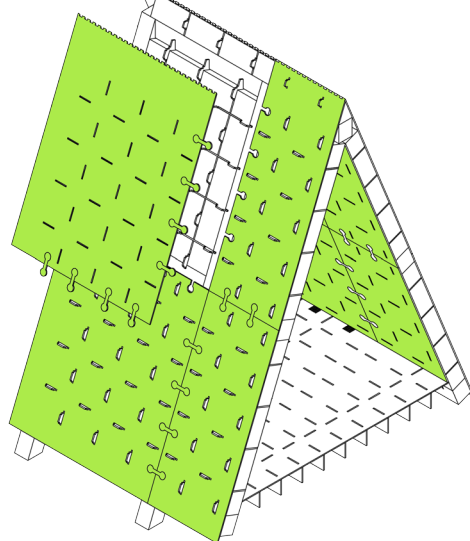
-0.73 -0.50

kg CO<sub>2</sub>/kg

0.039

W/mK

13. SHEETING



18 mm PLYWOOD

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

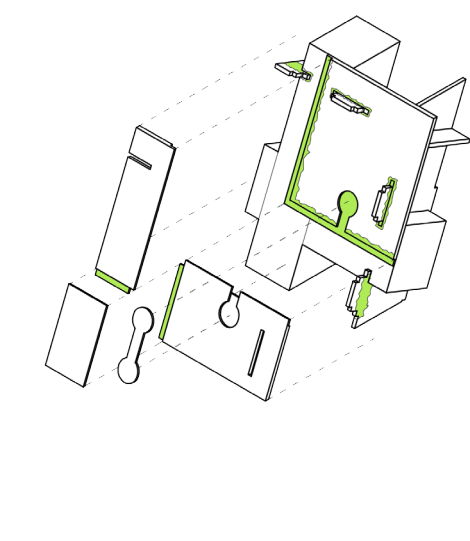
WEATHER RESISTANT

IMPACT RESILIENT

-0.29

kg CO<sub>2</sub>/kg carbon footprint

14. CAULKING



PINE PITCH

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

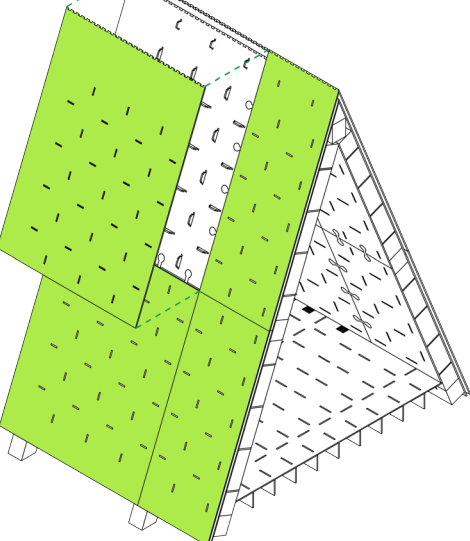
WEATHER RESISTANT

HEAVY DUTY ADHESIVE

-0.30 -0.01

kg CO<sub>2</sub>/kg

15. TOP SHEETING



18 mm PLYWOOD

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

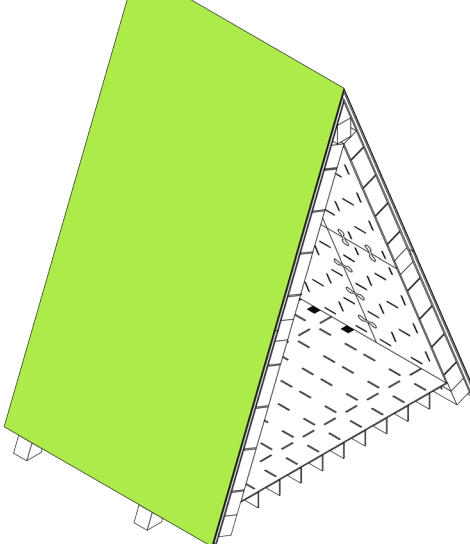
WEATHER RESISTANT

IMPACT RESILIENT

-0.29

kg CO<sub>2</sub>/kg carbon footprint

16. TOP COVER



SPRAYED CORK

BIODEGRADABLE

RENEWABLE

LIGHTWEIGHT

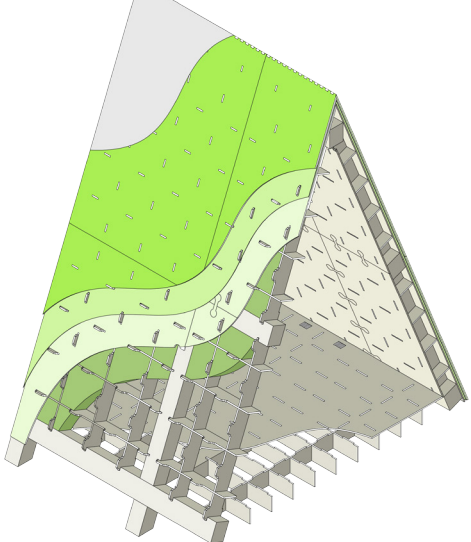
WEATHER RESISTANT

IMPACT RESILIENT


-0.43 -0.15


kg CO<sub>2</sub>/kg

FINAL



▶







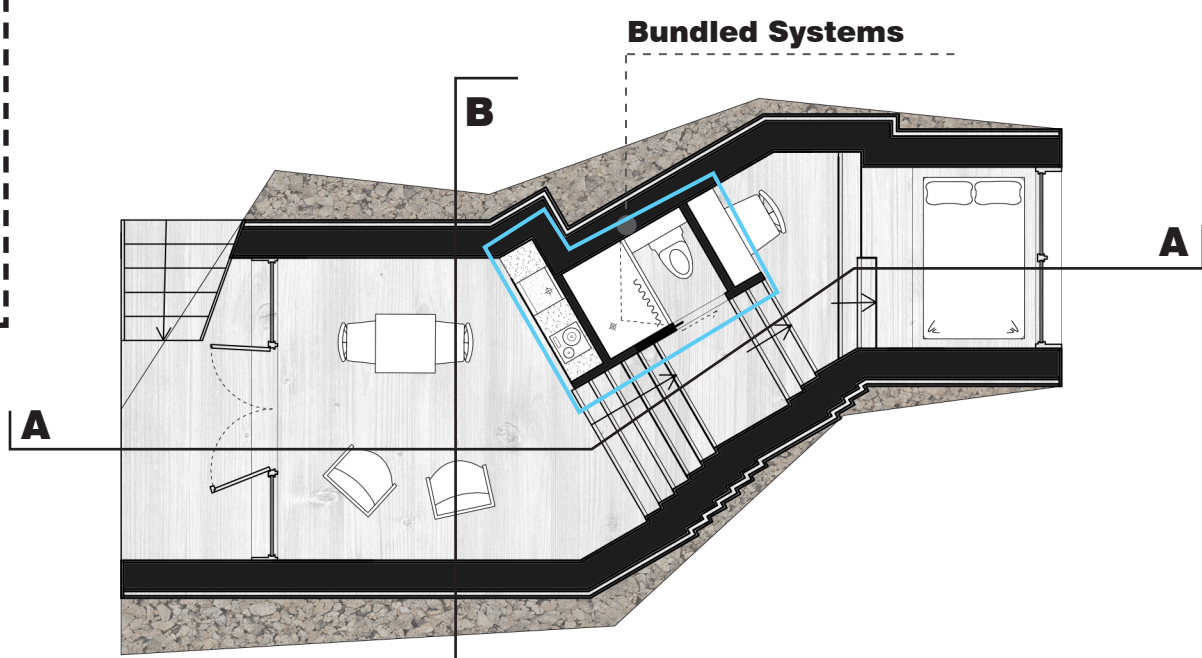
# UNIT EXAMPLES

1 : 100

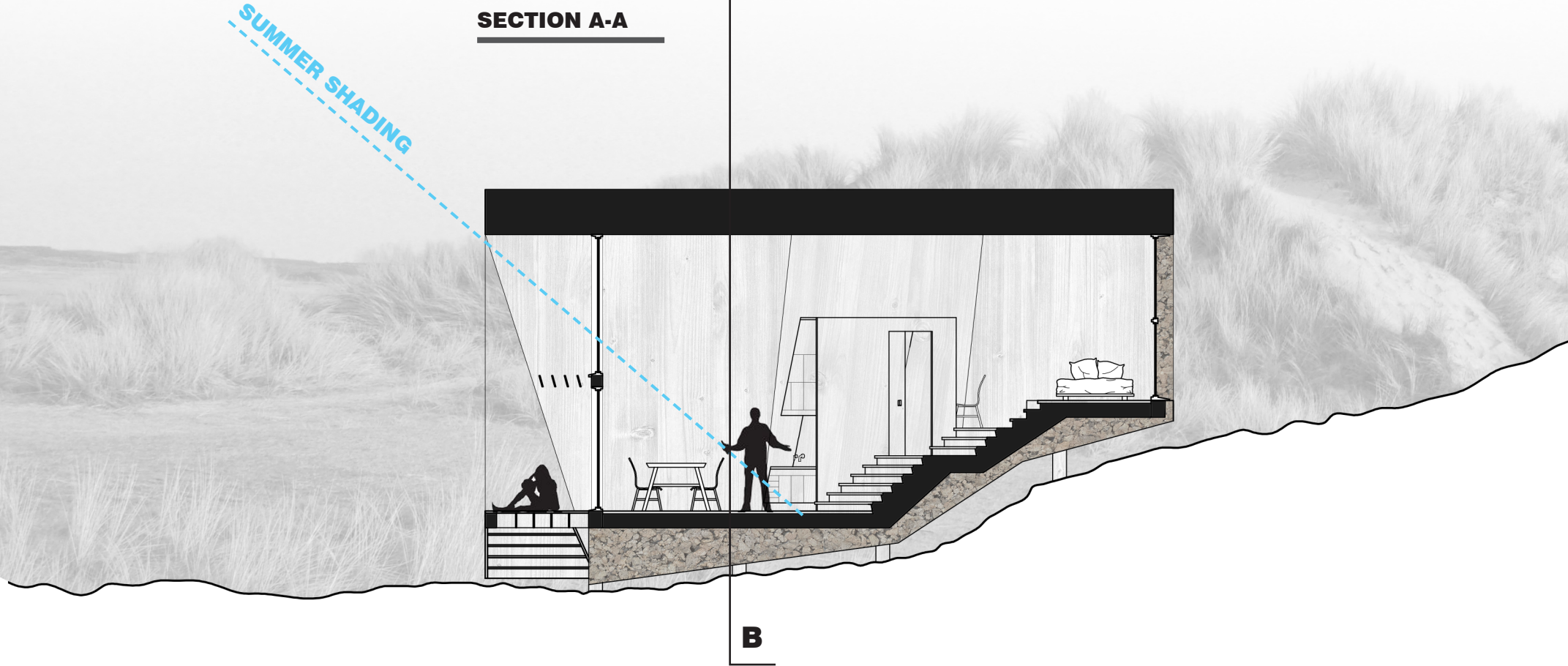
## HOME #1 PROGRAMME

Unit Capacity	2-4
Limited Mobility	No
Full Bathroom	Yes
Special Addition	Study
Mezzanine	Possible

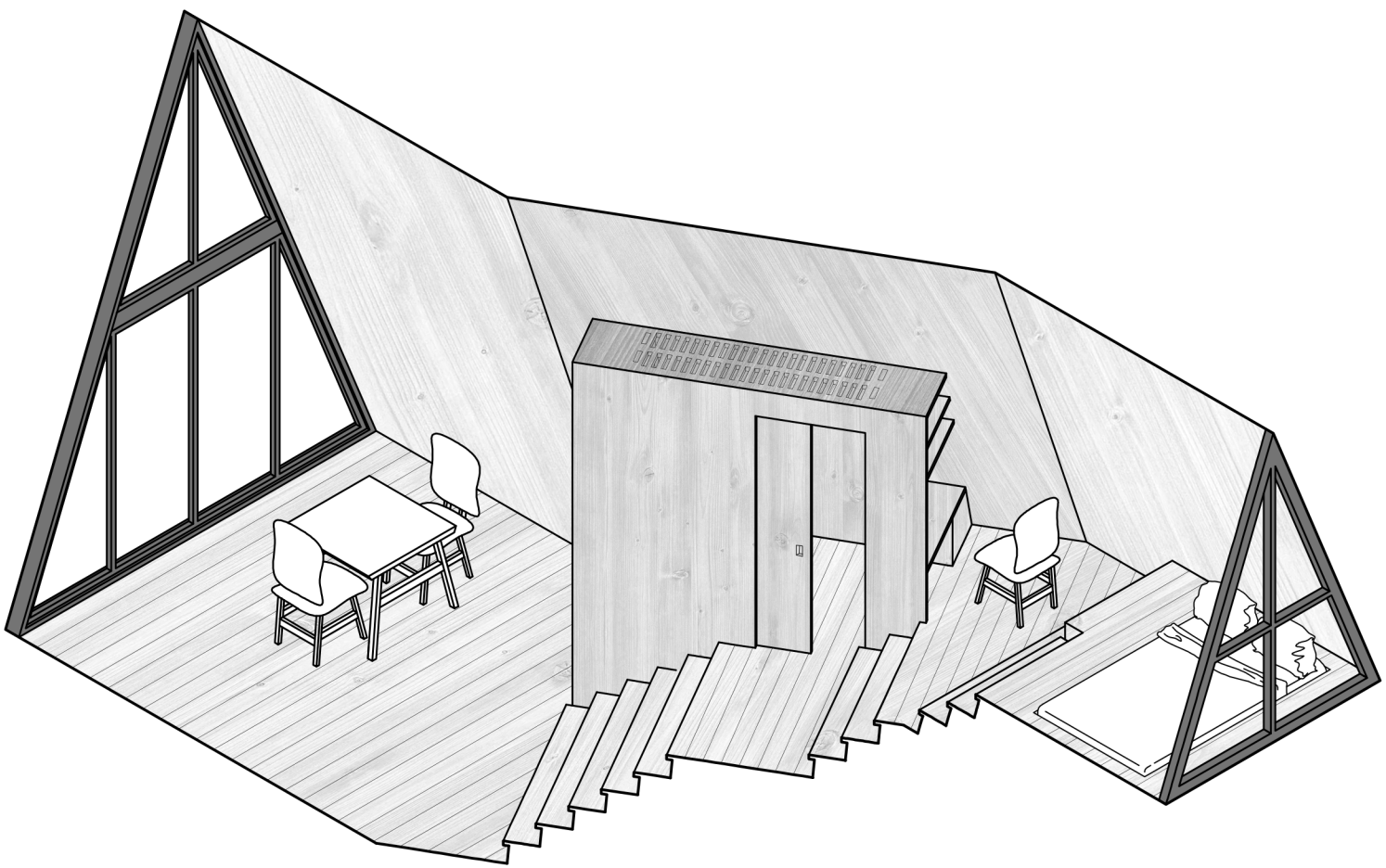
### FIRST FLOOR



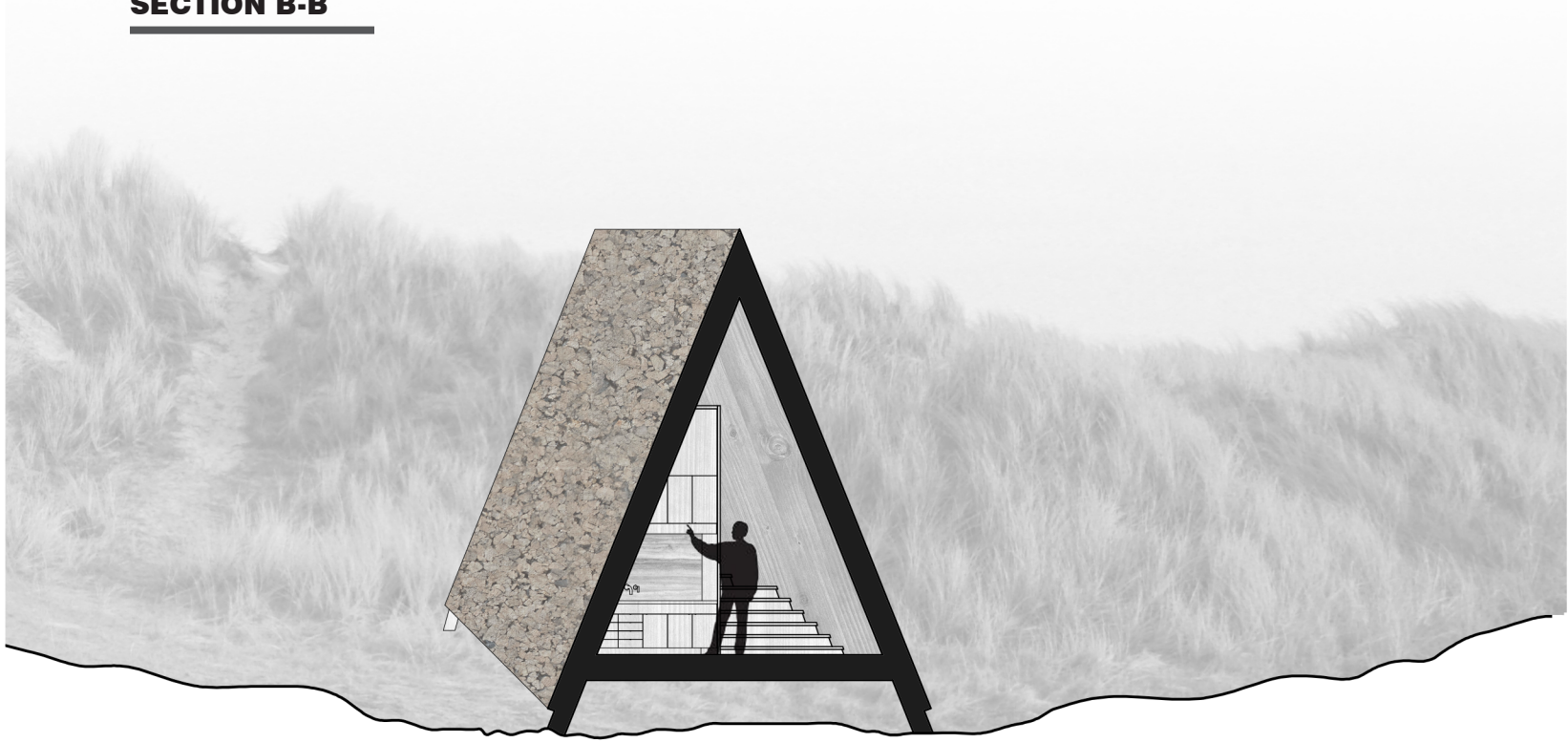
### SECTION A-A



### INTERIOR AXONOMETRIC



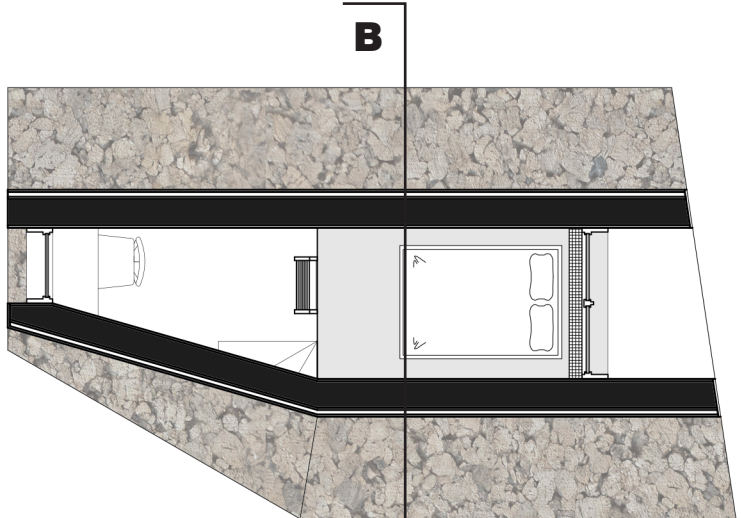
### SECTION B-B



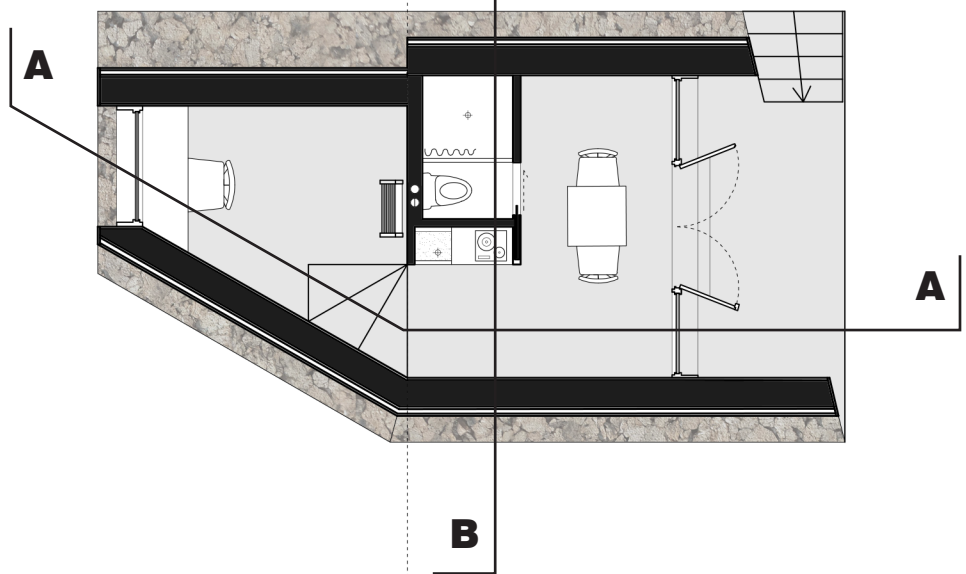
## HOME #3 PROGRAMME

Unit Capacity	1-2
Limited Mobility	No
Full Bathroom	Yes
Special Addition	study
Mezzanine	Yes

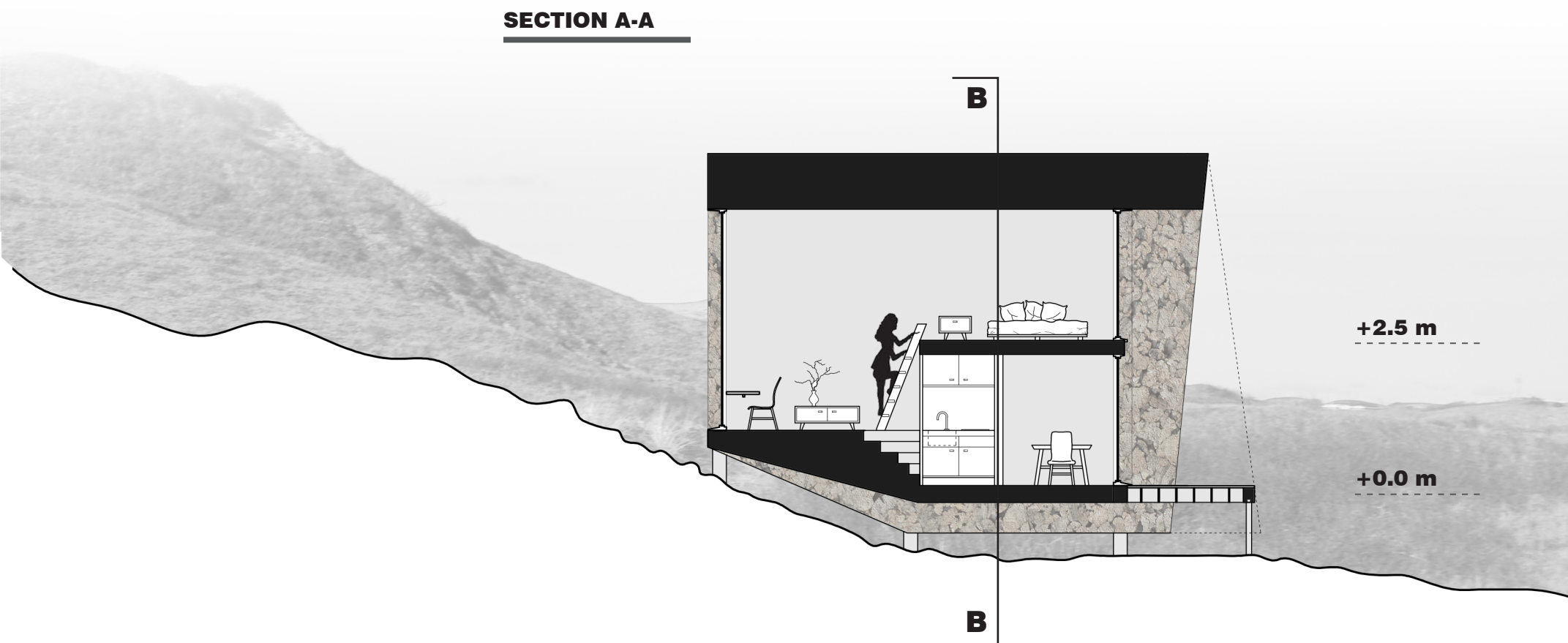
### FIRST FLOOR



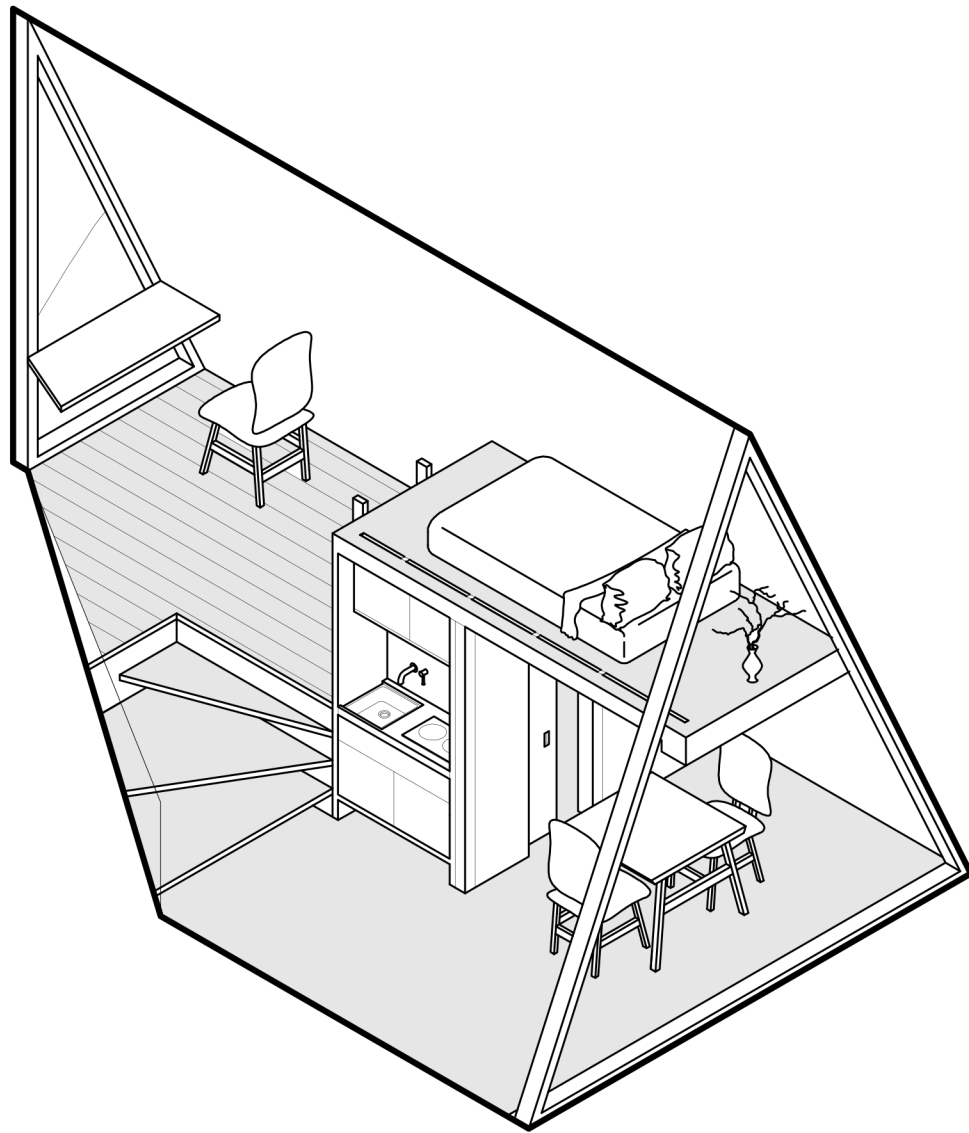
### SECOND FLOOR



### SECTION A-A



### INTERIOR AXONOMETRIC



### SECTION B-B





## 1 ENVELOPE SECTION 1 : 25

A

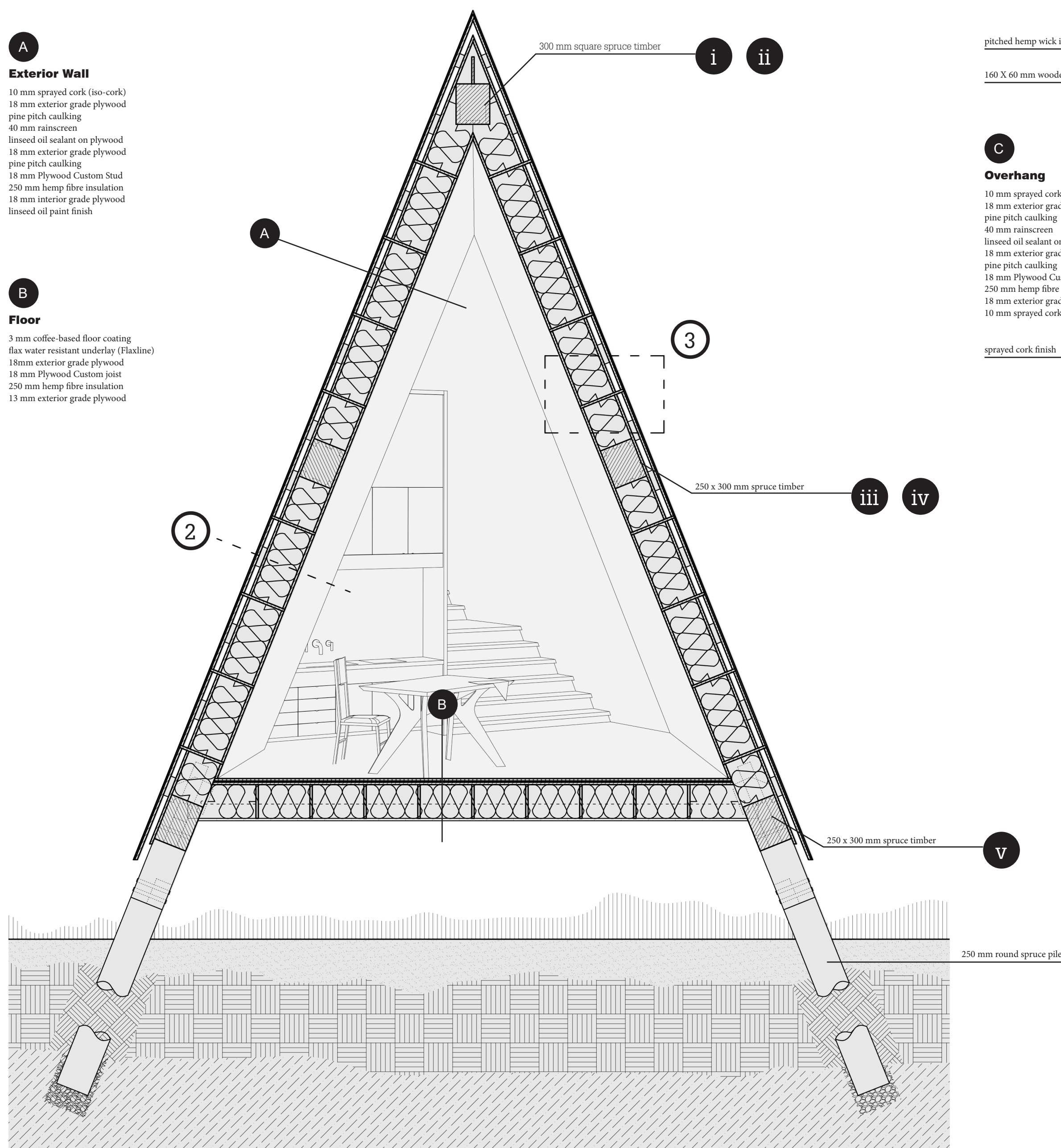
### Exterior Wall

10 mm sprayed cork (iso-cork)  
18 mm exterior grade plywood  
pine pitch caulking  
40 mm rainscreen  
linseed oil sealant on plywood  
18 mm exterior grade plywood  
pine pitch caulking  
18 mm Plywood Custom Stud  
250 mm hemp fibre insulation  
18 mm interior grade plywood  
linseed oil paint finish

B

### Floor

3 mm coffee-based floor coating  
flax water resistant underlay (Flaxline)  
18mm exterior grade plywood  
18 mm Plywood Custom joint  
250 mm hemp fibre insulation  
13 mm exterior grade plywood



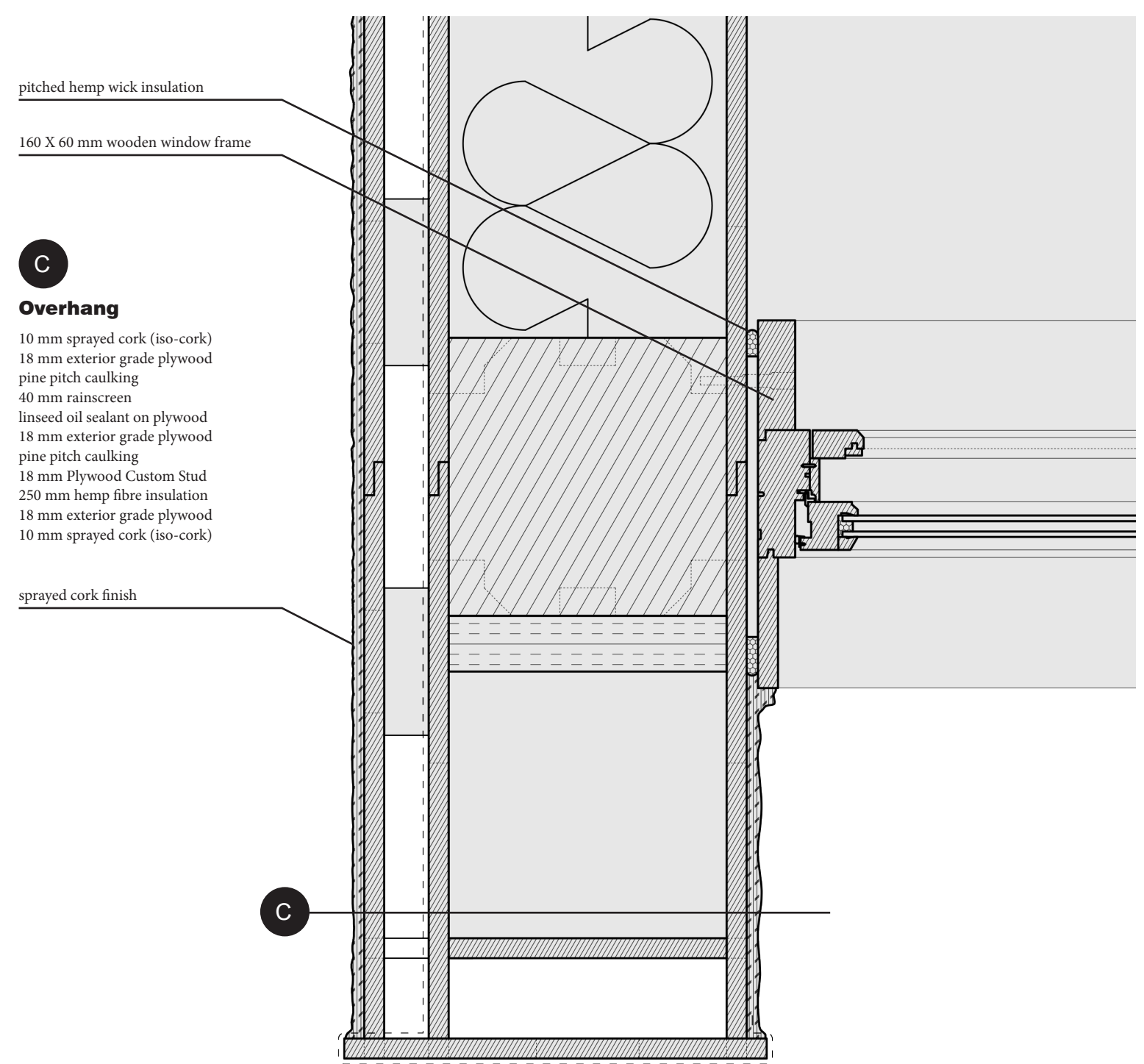
## 2 WALL AND WINDOW SECTION 1 : 5

C

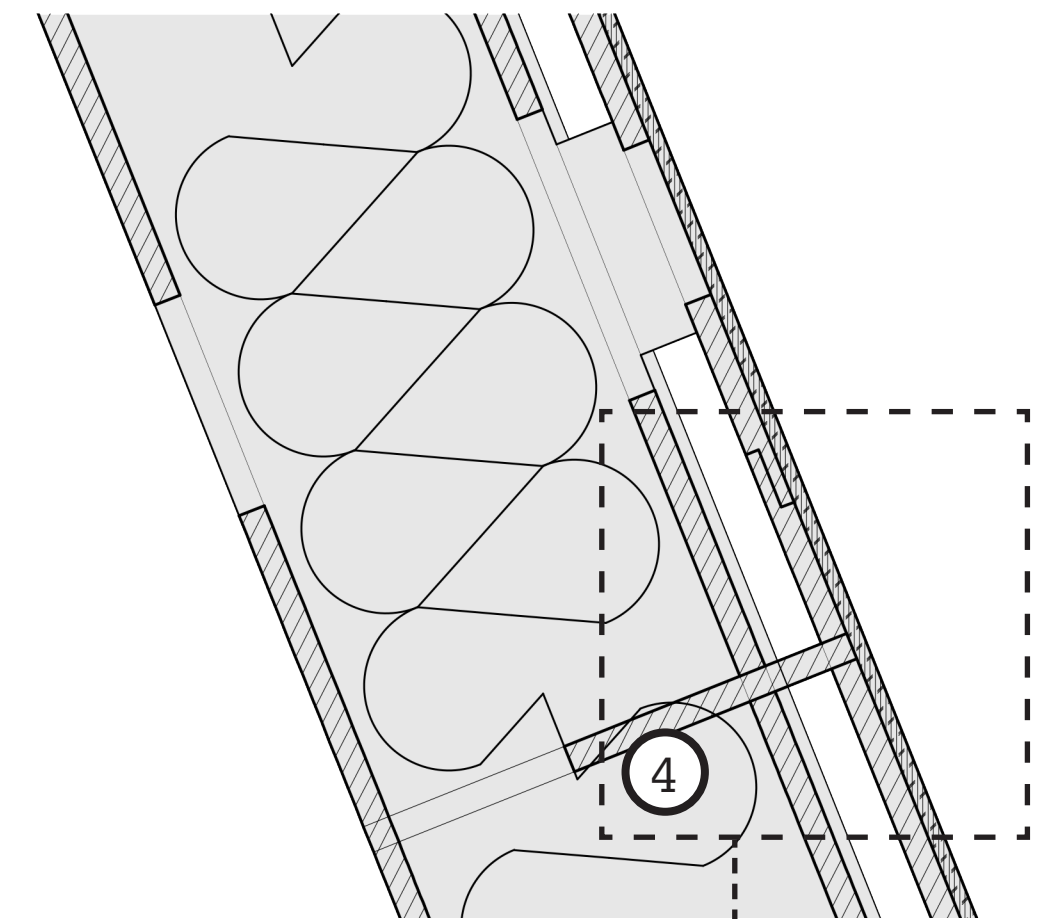
### Overhang

10 mm sprayed cork (iso-cork)  
18 mm exterior grade plywood  
pine pitch caulking  
40 mm rainscreen  
linseed oil sealant on plywood  
18 mm exterior grade plywood  
pine pitch caulking  
18 mm Plywood Custom Stud  
250 mm hemp fibre insulation  
18 mm exterior grade plywood  
10 mm sprayed cork (iso-cork)

sprayed cork finish



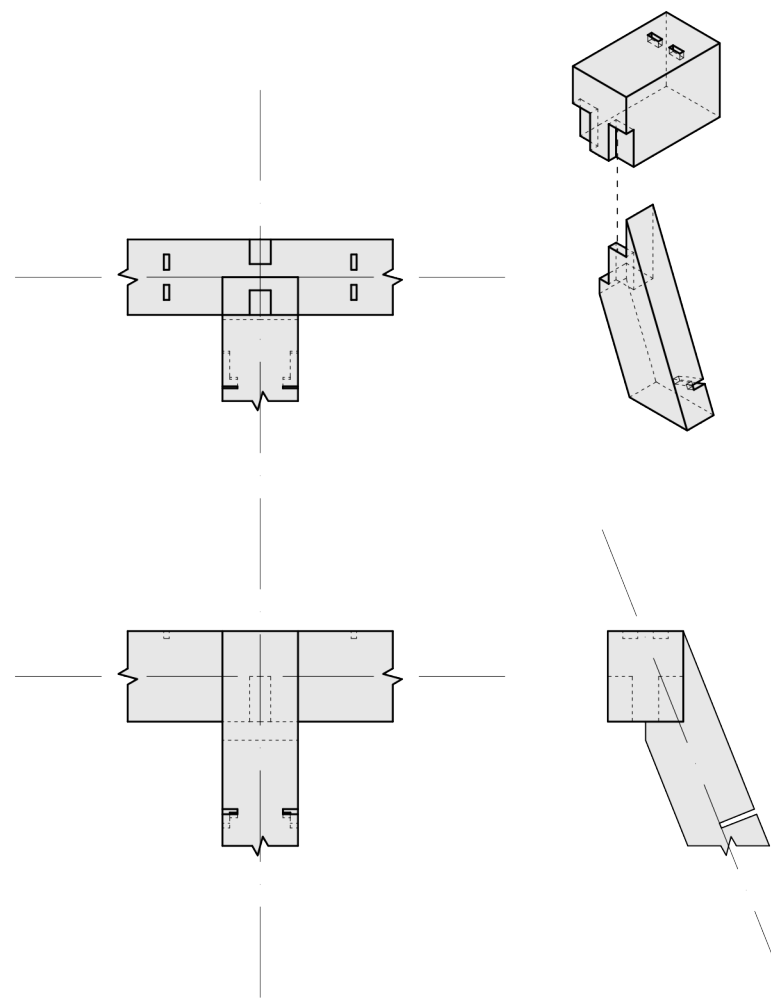
## 3 CLADDING SUPPORT 1 : 5



## TIMBER FRAME JOINERY 1 : 25

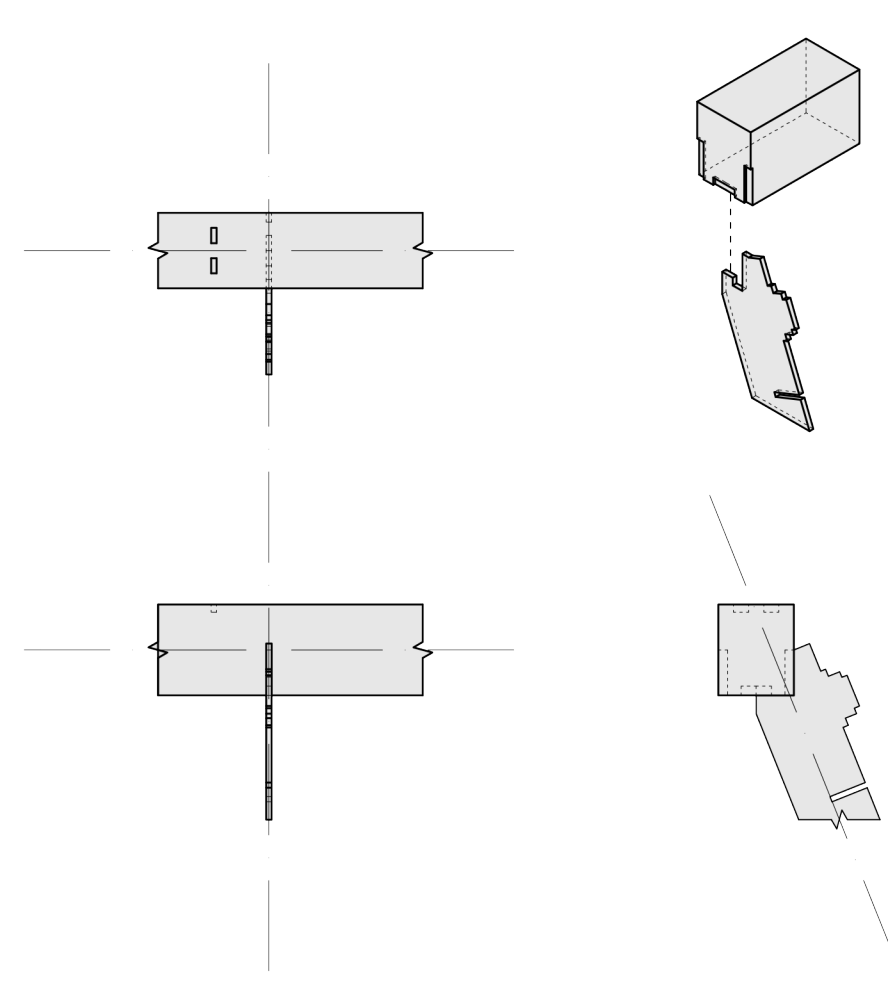
i

### RIDGE TO COLUMN



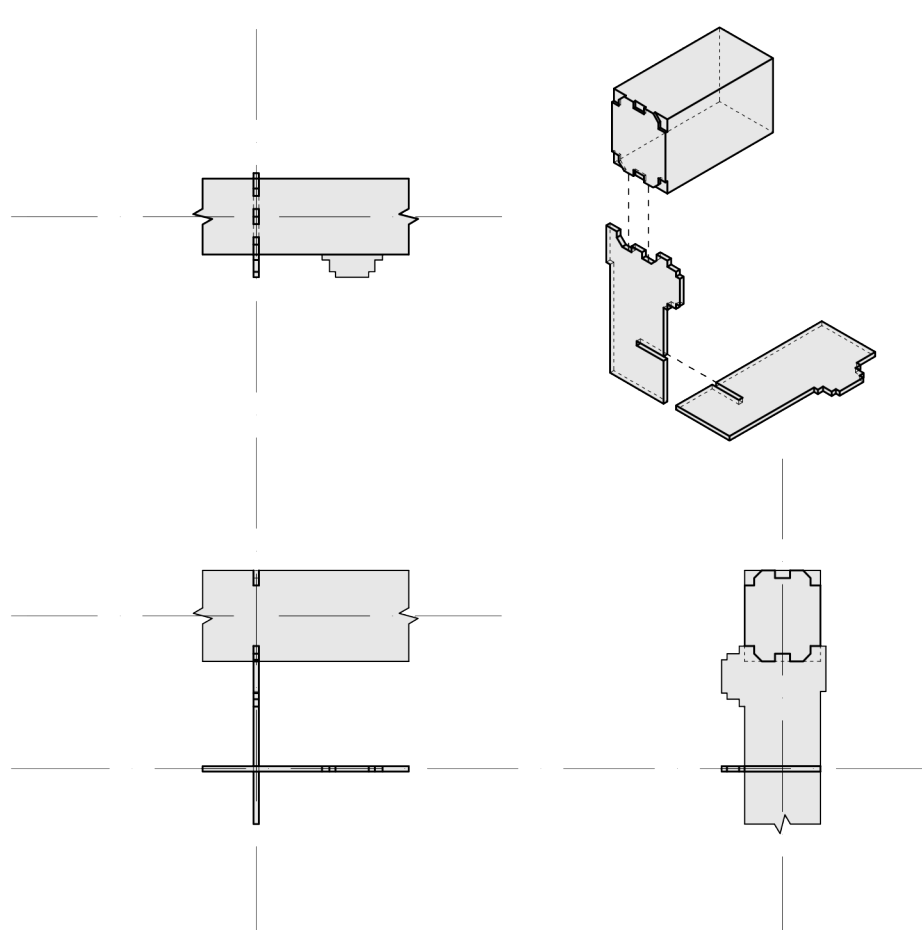
ii

### RIDGE TO VERTICAL SUPPORT



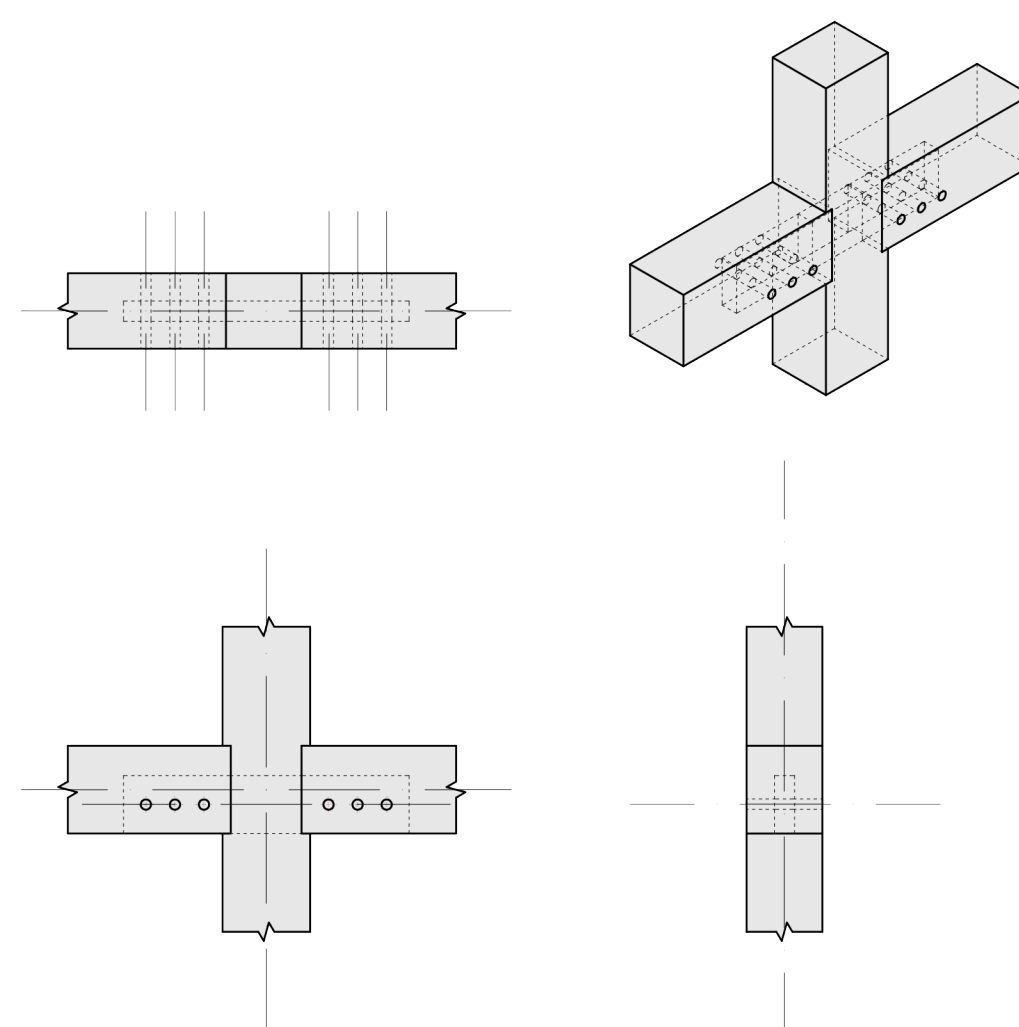
iii

### VERTICAL SUPPORT TO GIRDER



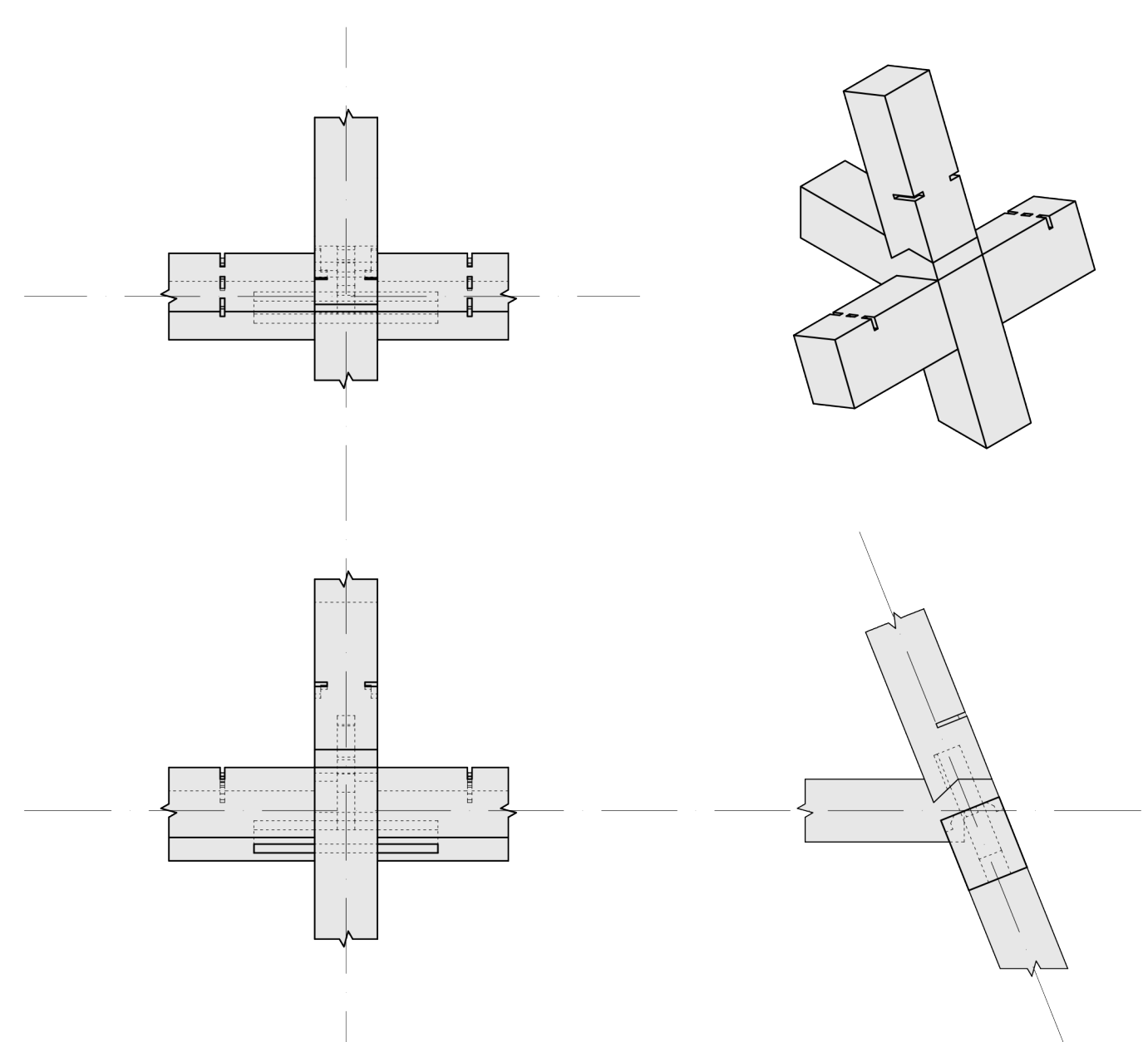
iv

### BEAM TO GIRDER



v

### PILE - GIRDER - COLUMN



4

## WATERPROOFING 1 : 2

