

# SAWMILL STRUCTURES™

## HillCREST LOFT MODEL: IMPORTANT ASSEMBLY INFORMATION

Every Sawmill Structures comes to you neatly packaged on a skid with all of our quality lumber precision cut to size with all parts individually numbered so it's easy to understand when you assemble it. We include everything such as the floors, walls, ceiling, windows and doors. All you need to supply is the people power to assemble it plus provide the screws or nails and roof shingles. (See below for more Information on this)

You will notice there are some extra pieces of lumber in your kit, we use extra wood to neatly stack the contents of the kit so don't worry, just assemble the parts you need.

*\*Helpful Hint\* Use the the extra end cuts of 44mm tongue and groove logs as a buffer on top when hammering down the logs with your rubber mallet.  
**Simply follow the easy to understand instruction manual that follows this page and have fun creating your new and amazing space!***

### TOOLS YOU WILL NEED FOR ASSEMBLY

• Hammer • Rubber Mallet • Level • Measuring Tape • Cordless Screw Driver. • Nail gun (optional) • Ladder

### FOUNDATION BASE:

Before you assemble your structure you will need to provide a level foundation base to build your structure on.

There are many types of foundation bases and you can choose the best option that suits your need, budget and Sawmill Structures model.

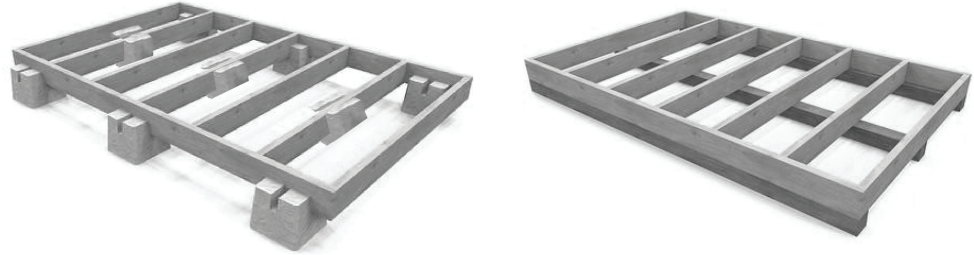
### Types of foundations you may choose:

- Wood deck frame with stringers on grade • Deck frame on Piers • Patio Stones • Existing Deck • Asphalt pad • Concrete slab
- Pressure treated beams 4" x 4" or 6" x 6" on grade.

The Foundation Base size you will require depends on the model you have purchased as well if you would like any added outdoor space incorporated into the foundation base.

**HillCREST LOFT minimum size FOUNDATION BASE FOOTPRINT is 110.5" x 110.5"**

- You may choose to add to this dimension if any additional outdoor space is desired.
- Any style of foundation base mentioned above is suitable.
- Many clients choose to build a simple deck base made from 2" x 6" pressure treated lumber with stringers spaced at approx 16" on center as pictured here.



### NOTE: FASTENERS ARE NOT INCLUDED

You will need the following Screw fasteners during assembly of your structure..

- Deck screws: 3" Long #8 screws - Approx Quantity Needed 250  
(USED FOR FASTENING STACKED LOGS)
- Deck screws: 2" Long # 6 screws Approx Quantity Needed 200  
(USED FOR FLOORING AND ROOF SHEATHING)
- 2" Finishing nails for nail gun: (Optional)  
(USED FOR FLOORING AND ROOF SHEATHING IF YOU CHOOSE TO USE A NAIL GUN)

### NOTE: ROOF SHINGLES ARE NOT INCLUDED

You may choose to install steel or traditional shingles however we suggest using ONDURA roof finishing panels to finish and protect your structure. ONDURA is very economical (Approx \$350 to do your entire roof) and quick to install. ONDURA is sold in sheet sizes of 36" x 79" and is available in stock at most local Home Depot locations. The area of roof to cover on **EACH SIDE** of a HillCREST LOFT roof is 149.6" x 77" (3.8m x 1.95m) You will require 10 sheets of ondura roof panels in your choice of colour RED, BROWN OR BLACK + 2 ridge caps and 1 box of ondura specific nails Visit [www.ondura.com](http://www.ondura.com) for more information on this product.



**\* IF YOU PLAN ON USING TRADITIONAL SHINGLES YOU WILL NEED  
ADD ANOTHER LAYER OF PLYWOOD OVER THE SHEATHING WE SUPPLY**

### STAIN



It's important to protect the exterior of your new structure. We recommend CUTEK EXTREME extreme which is a super penetrating oil product. CUTEK EXTREME is easy to apply and leaves your structure protected from the elements while providing a beautiful lustre to the wood. One Gallon of Cutek Extreme typically is enough for two coats on most of our structures. It typically takes one person only a couple of hours to complete the exterior protection of your structure. CUTEK EXTREME is available for purchase on our website under the products category. [www.sawmillstructures.com/staining](http://www.sawmillstructures.com/staining)

Visit [www.cutekstain.com](http://www.cutekstain.com) for more information on this product and also to find alternate sales sources near you.

\* Always check with your local municipality on building codes and setbacks before building anything)  
\* Practice safety first and build at your own risk, be responsible at all times or hire someone to assemble if it's outside your comfort zone

*We love to see you assemble our structures! Feel free to share any progress pics with us as you build.  
Email to [info@sawmillstructures.com](mailto:info@sawmillstructures.com)  
Have fun and enjoy the build!*



## HILLCREST LOFT DOUBLE DOOR Instruction manual

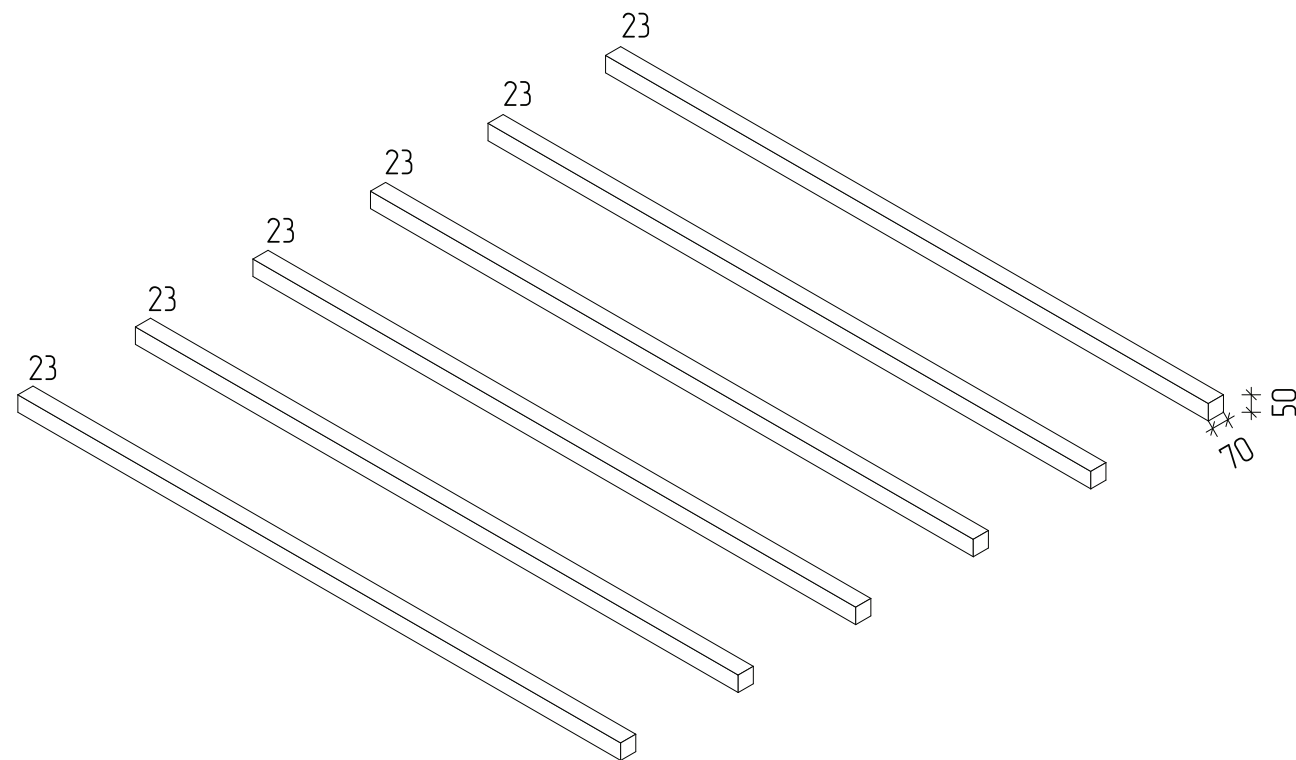


Fig 1. Start by laying down the base support strips (part #23) on top of your chosen foundation base.

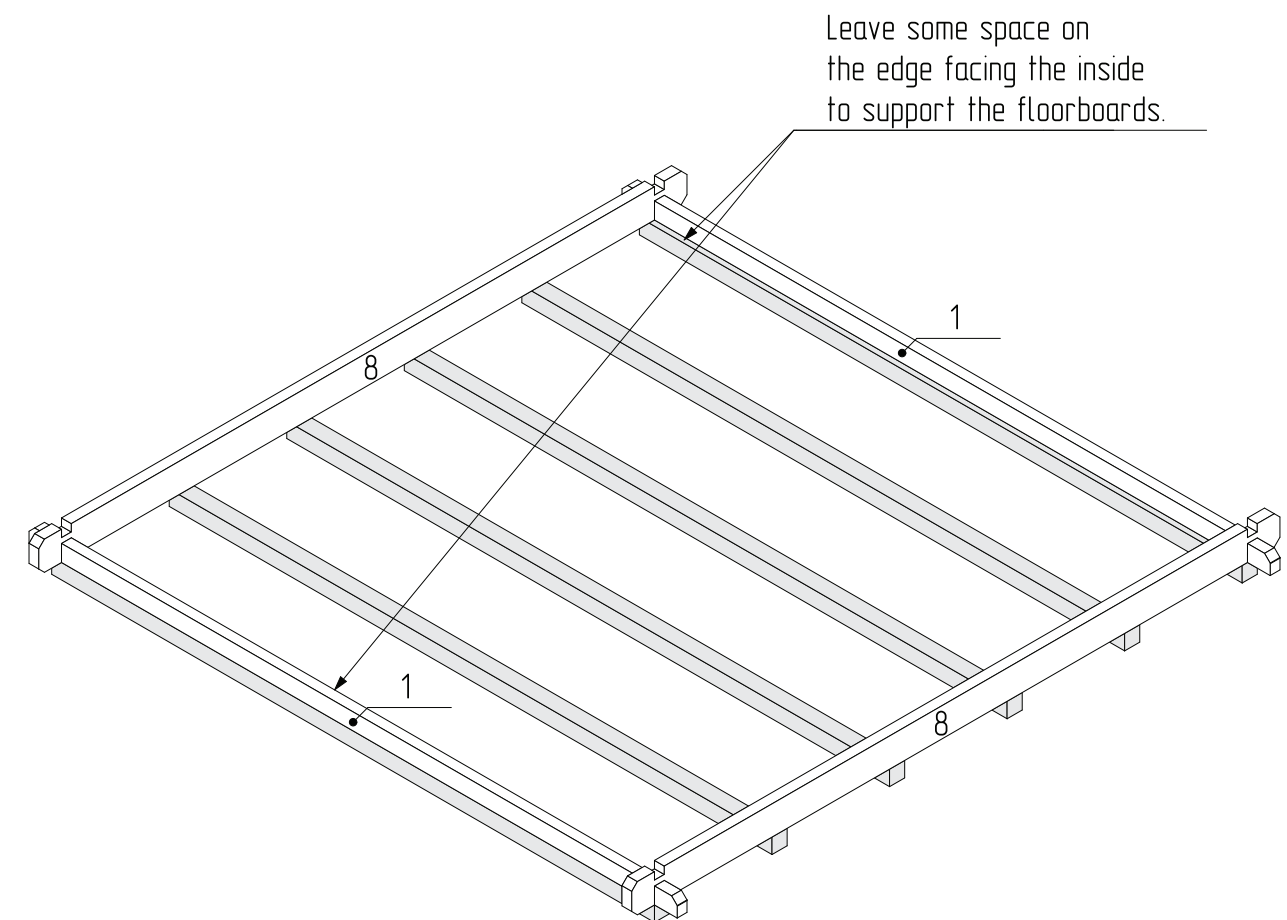


Fig 2. Arrange your starter logs (part #8 and part #1) on top of the starter strips in Fig 1.  
Make sure to orientate the part #1 strips in the direction you would like your front door and back wall to face.

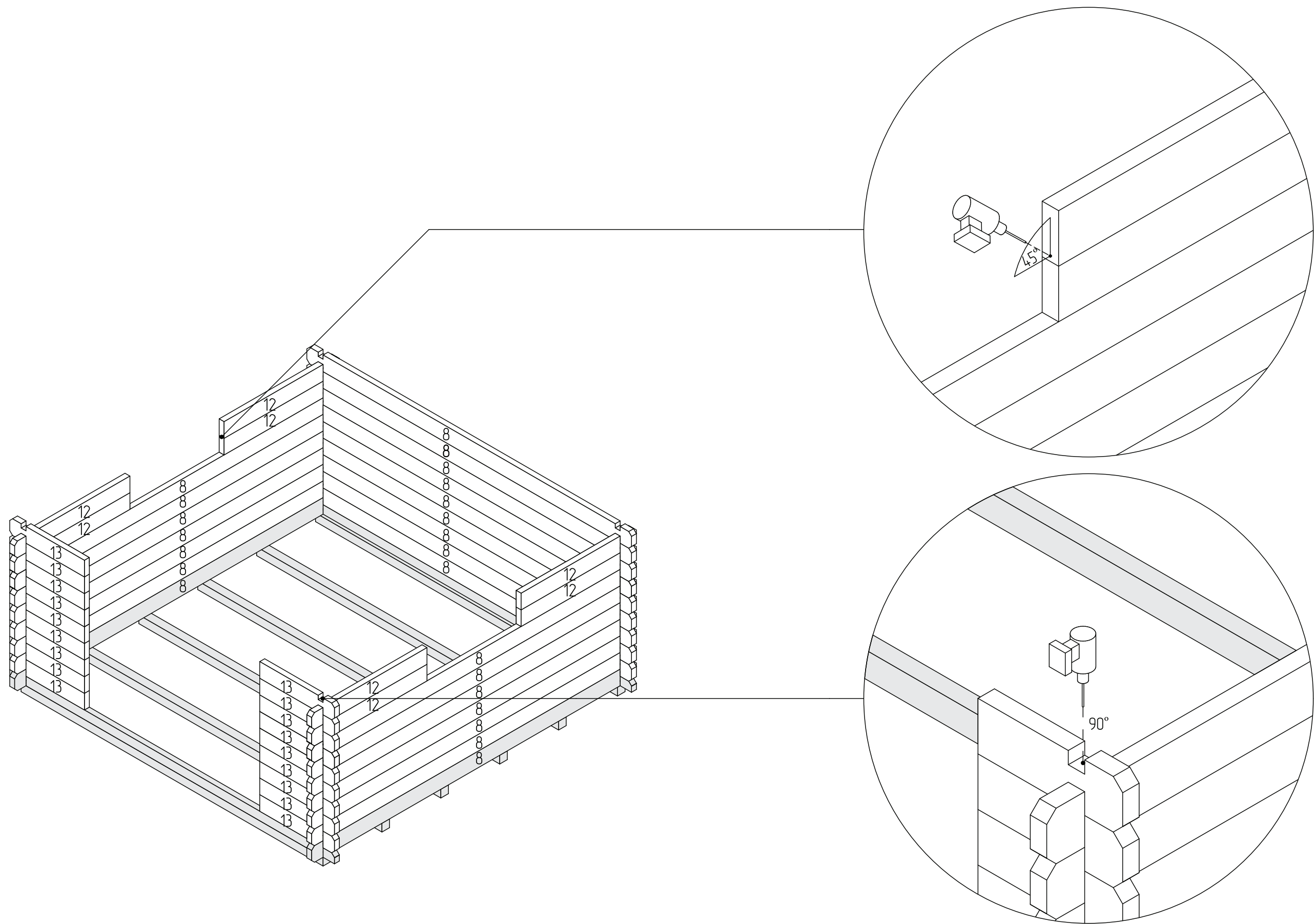


Fig 3. Begin to build all 4 walls using parts #8 #12 #13 as shown.  
 Fasten each corner down by screwing a 3" long number 8 screw on a 90 degree angle at every corner log notch to secure both pieces together.  
 Secure the front wall parts #12 and #13 at every log by screwing a 3" long number 8 screw on a 45 degree angle on the side of each piece.  
 (required number of screws 8'x3' - 200 pcs)



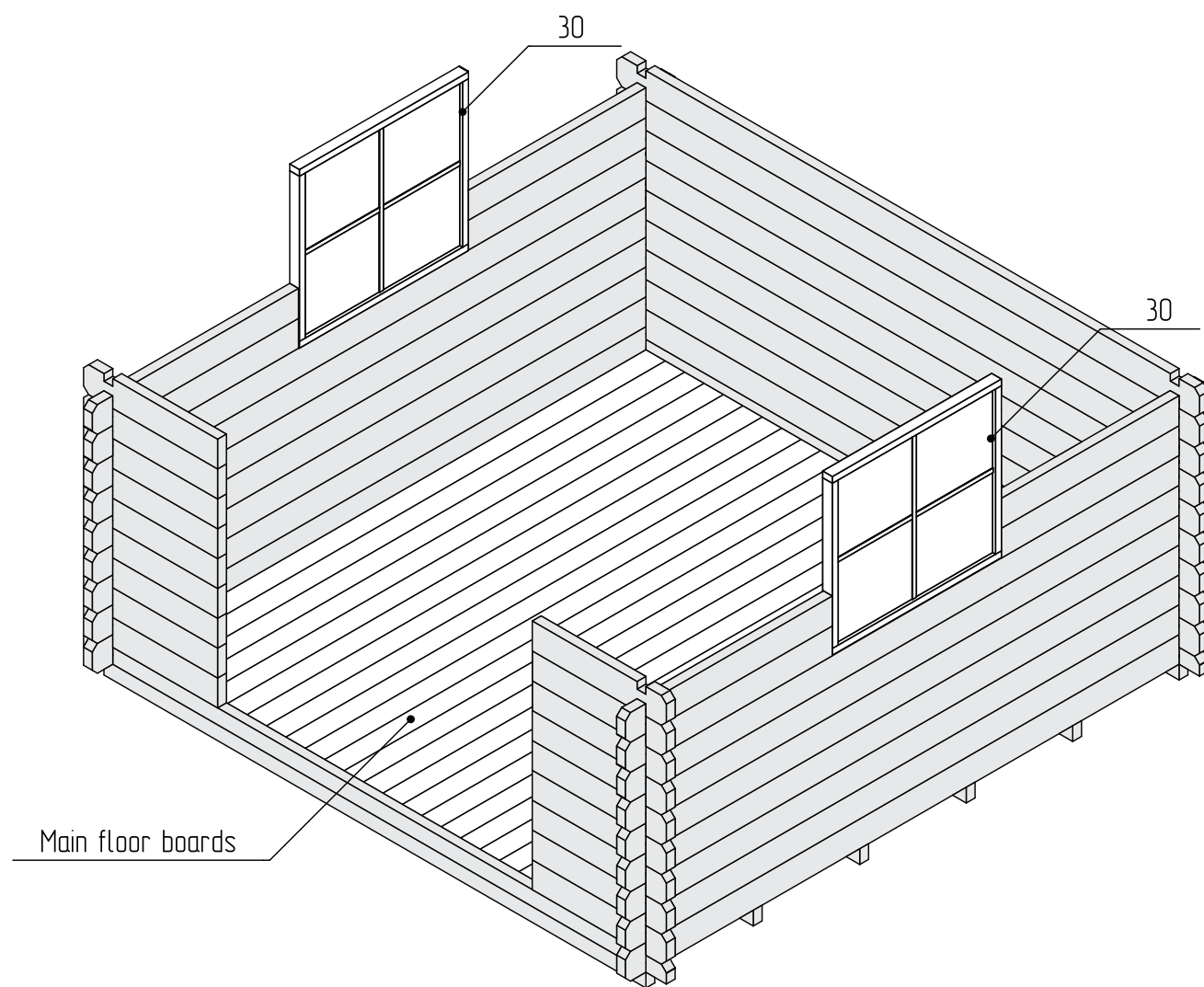


Fig 4. Interior floor boards: Screw on the main floor boards to the starting strips (part#23) using 2" long number 6 screws or a nail gun. Insert side windows (part #30) into the allocated openings. (required number of screws 6'x2' - 360 pcs)

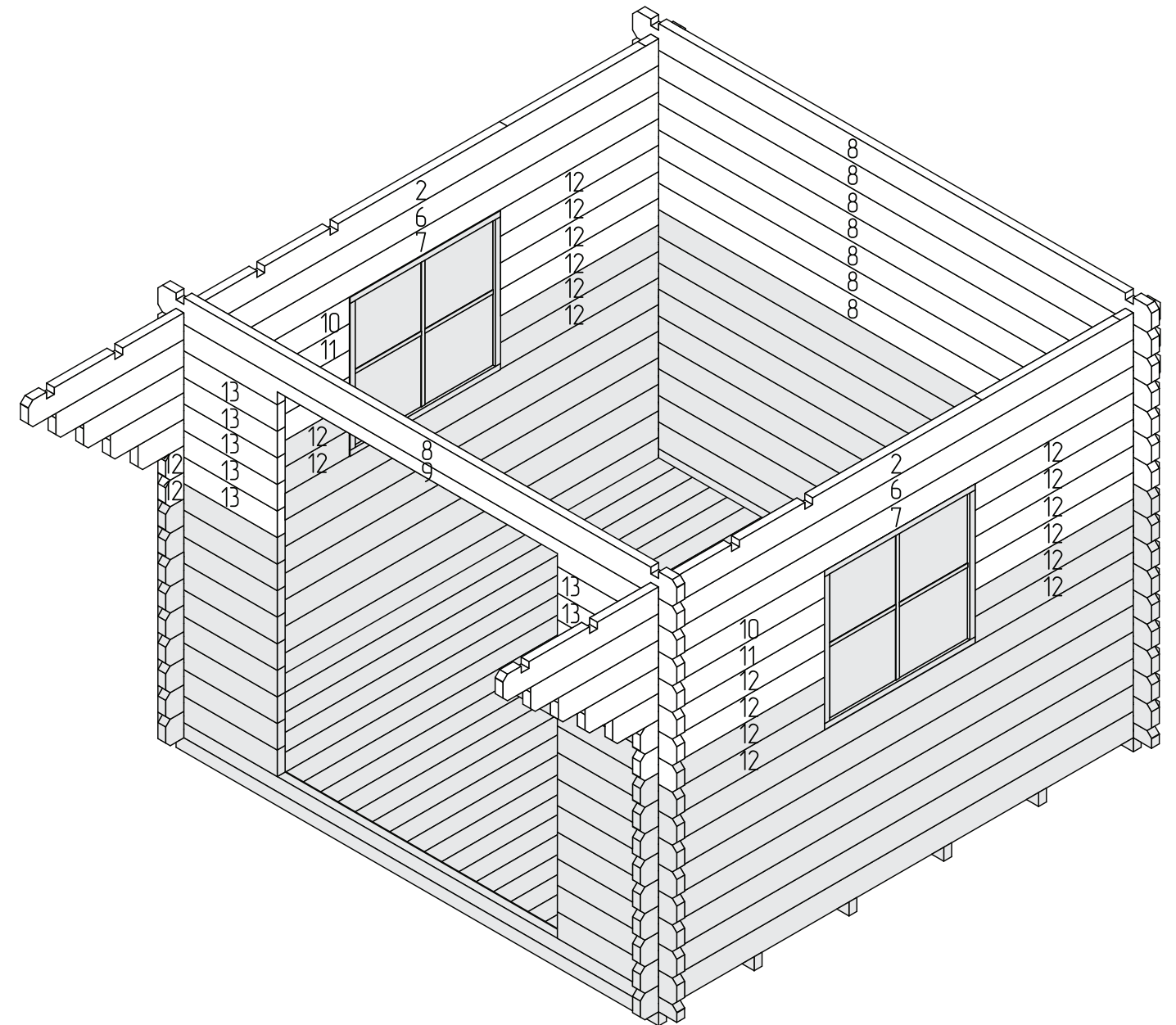


Fig 5. Continue stacking the wall log parts as pictured.



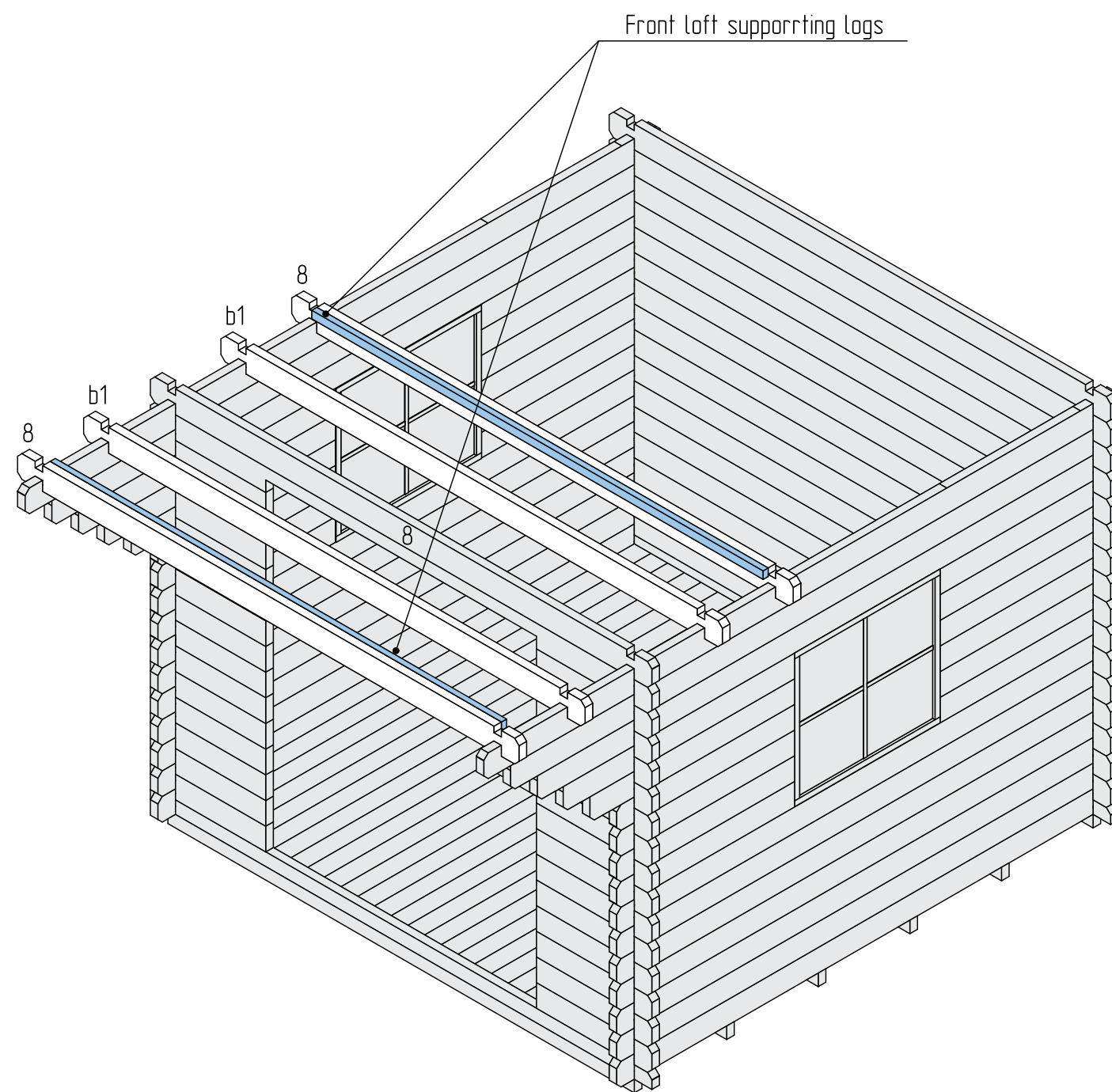


Fig 6. Insert the loft support logs Part #8 and Part #b1 in the order as shown.

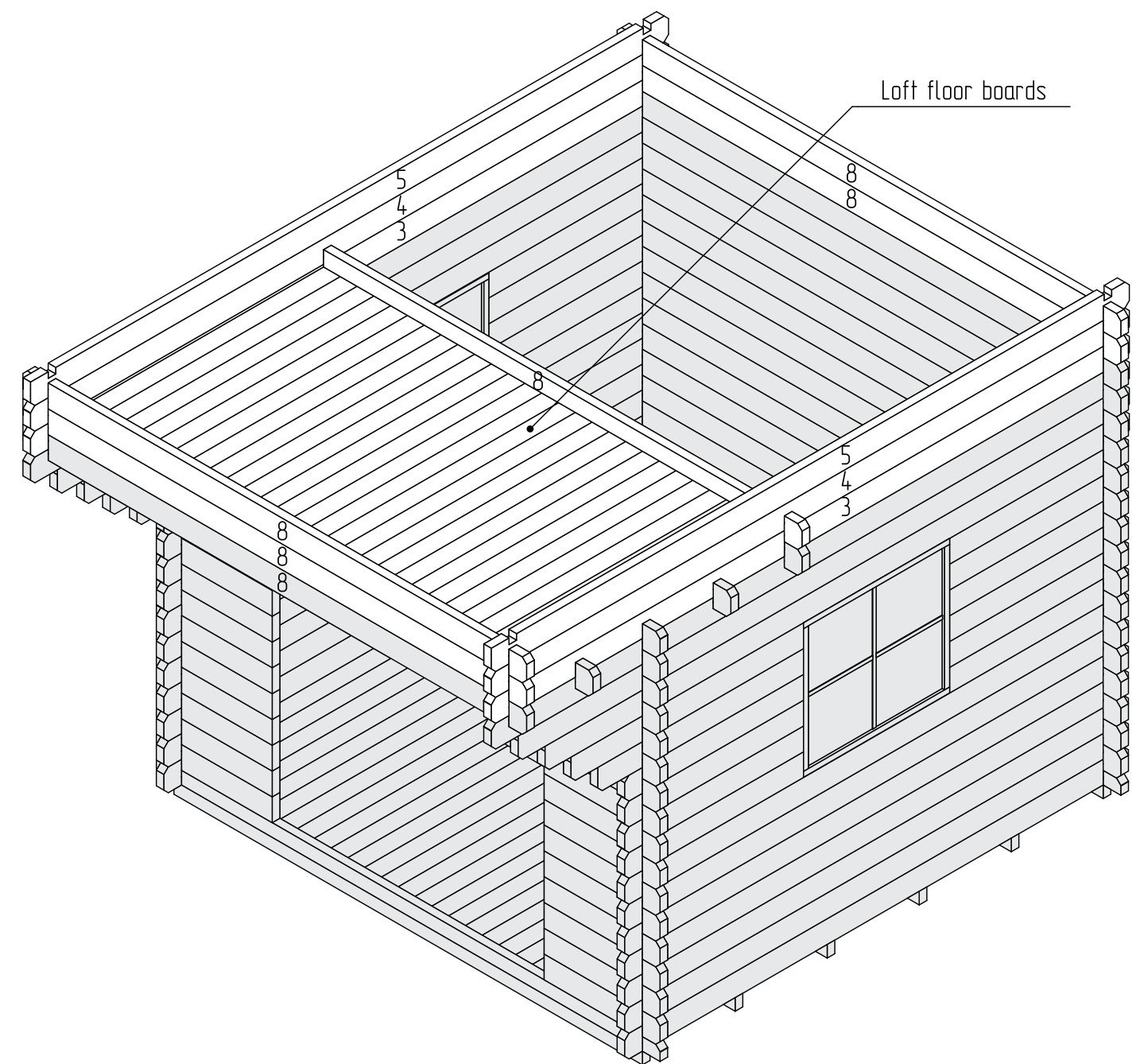


Fig 7. Apply the loft floor boards by screwing into the loft support logs ( Part #8 and Part #b1)  
Stack the log walls as shown using parts #3 #4 #5 #8.

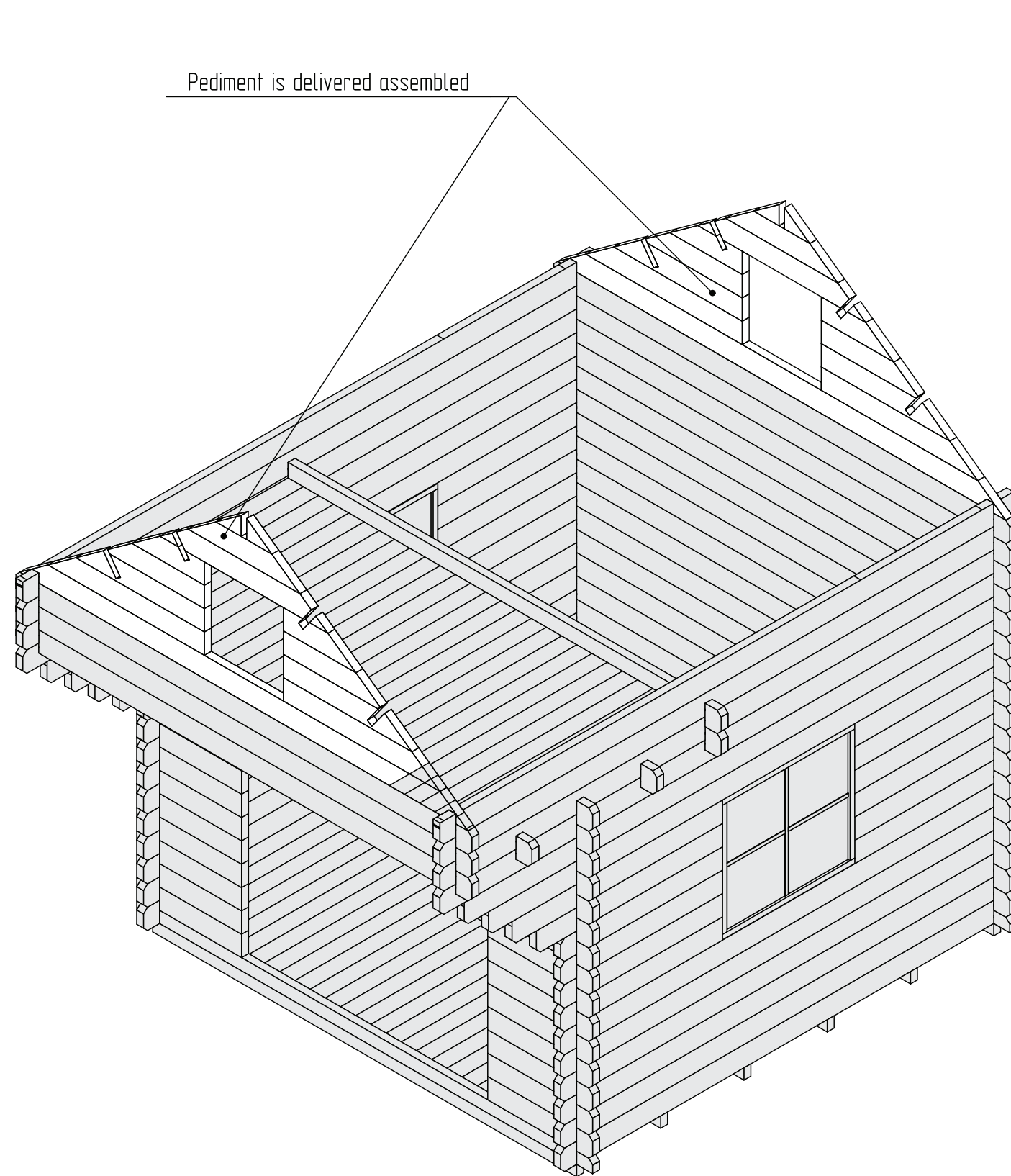


Fig 8. Insert the preassembled gable ends.  
 Note: The screwed strips that hold the gable end logs pieces together should never be taken off and should be facing the inside of the structure not the outside.

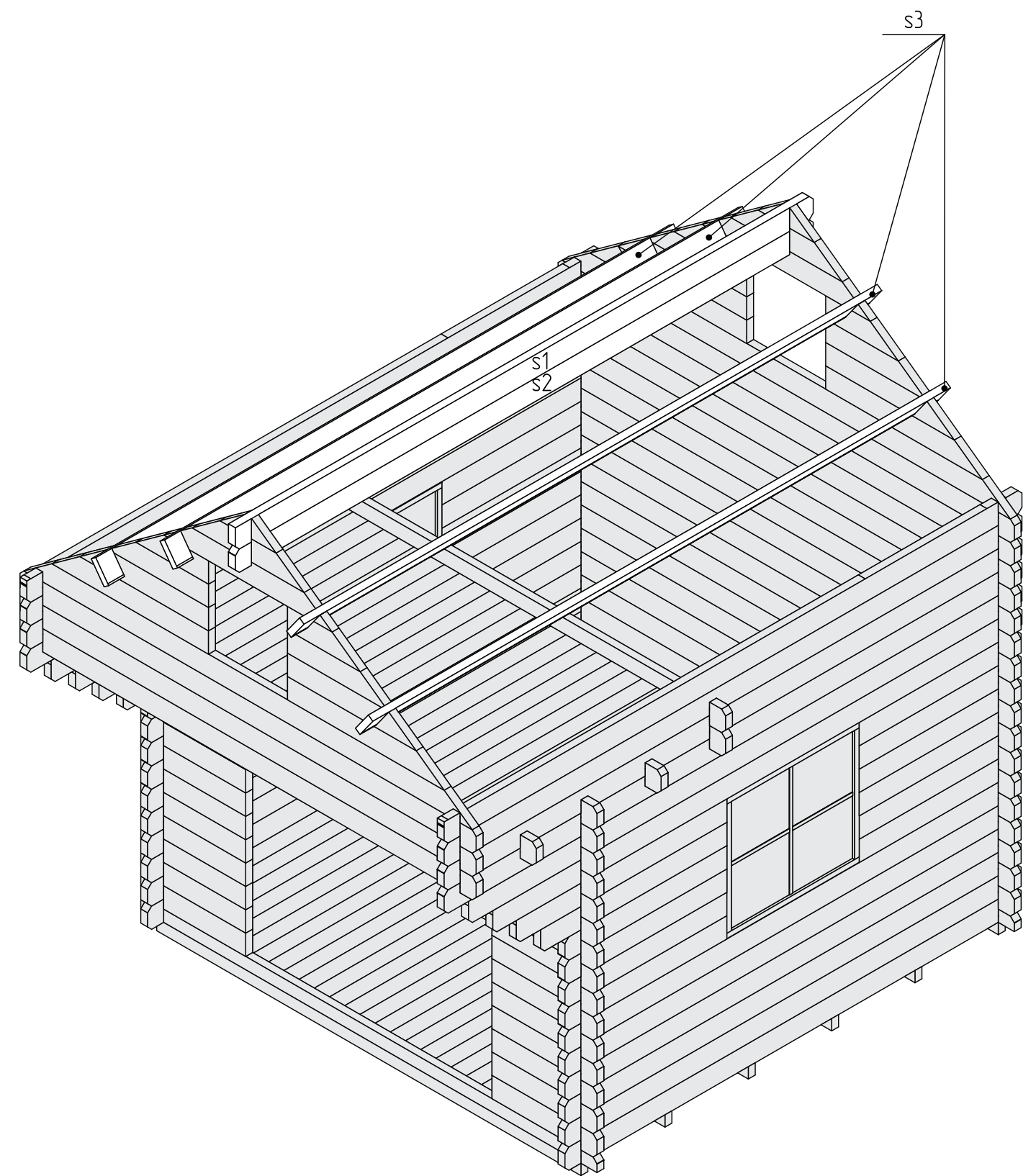


Fig 9. Insert the roof rafters parts #S1 #S2 #S3 as show

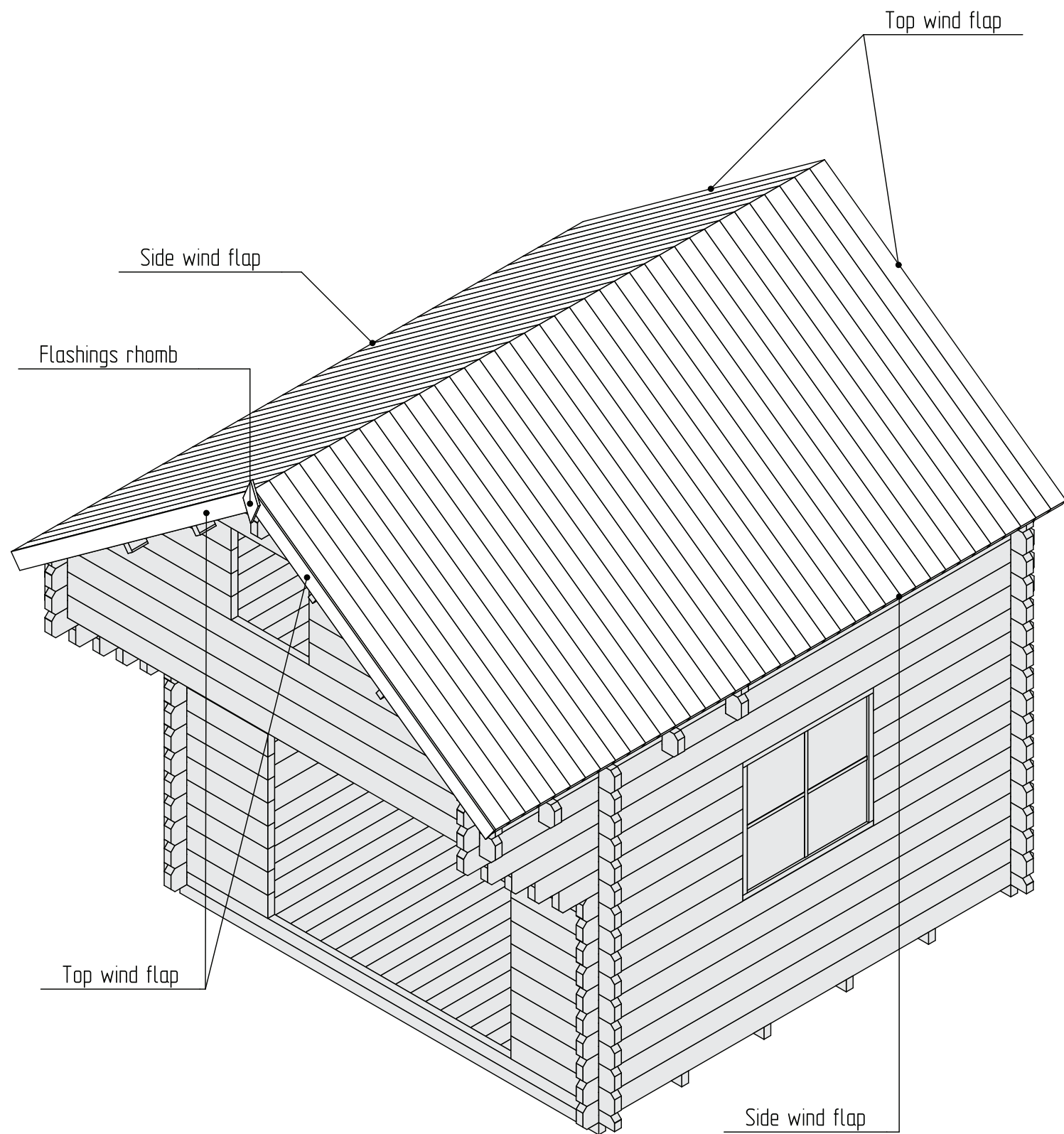


Fig 10. Apply roof sheathing boards making sure they are uniformly level with the ridge beam all the way across.  
fasten the sheathing to roof rafters using a nail gun or screws so no fasteners are visible.

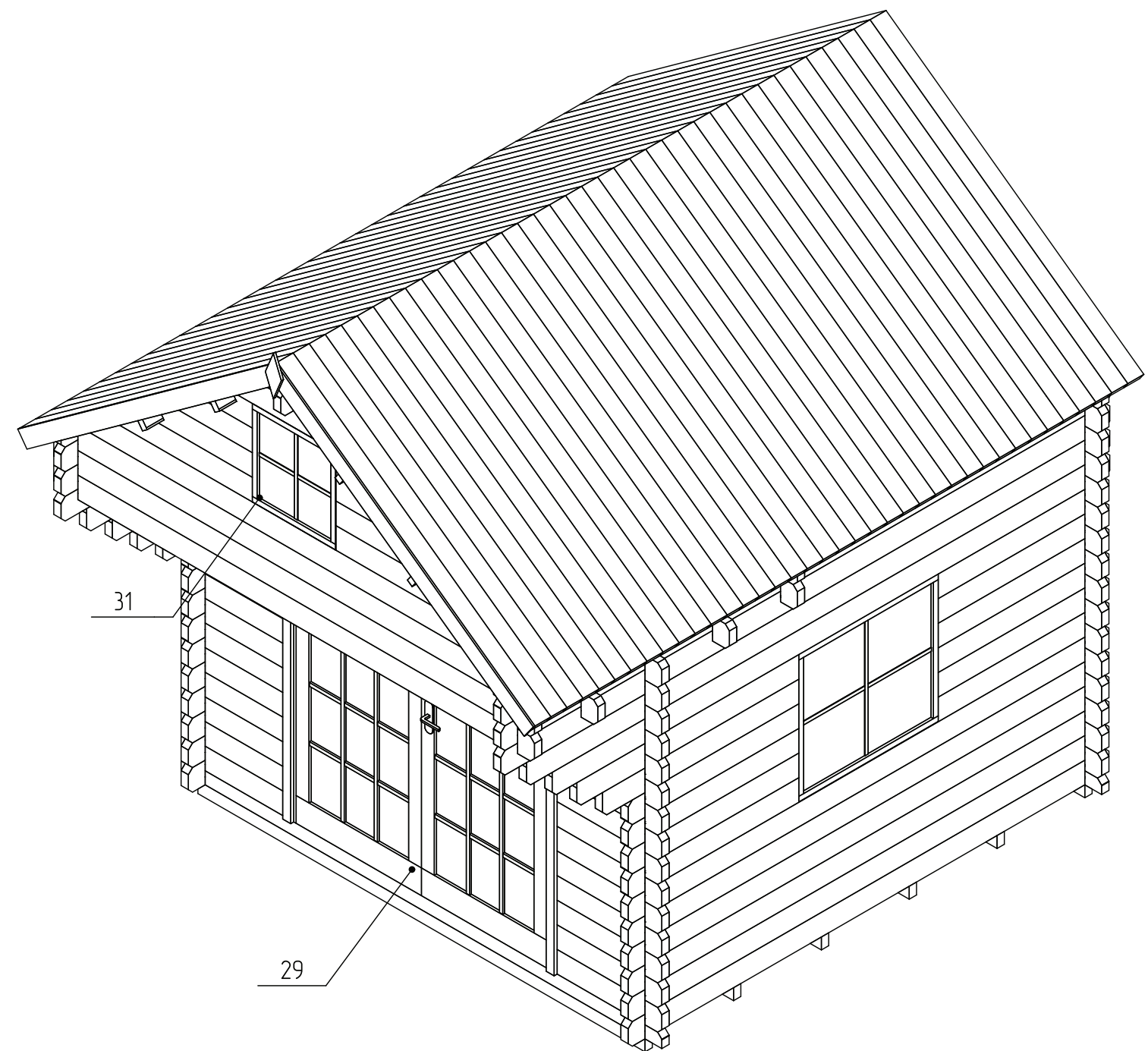


Fig 11. Insert remaining windows and doors.  
The dimensions of the roof are 4.000 m x 2.300 m (157.48" x 90.55")  
for each side.



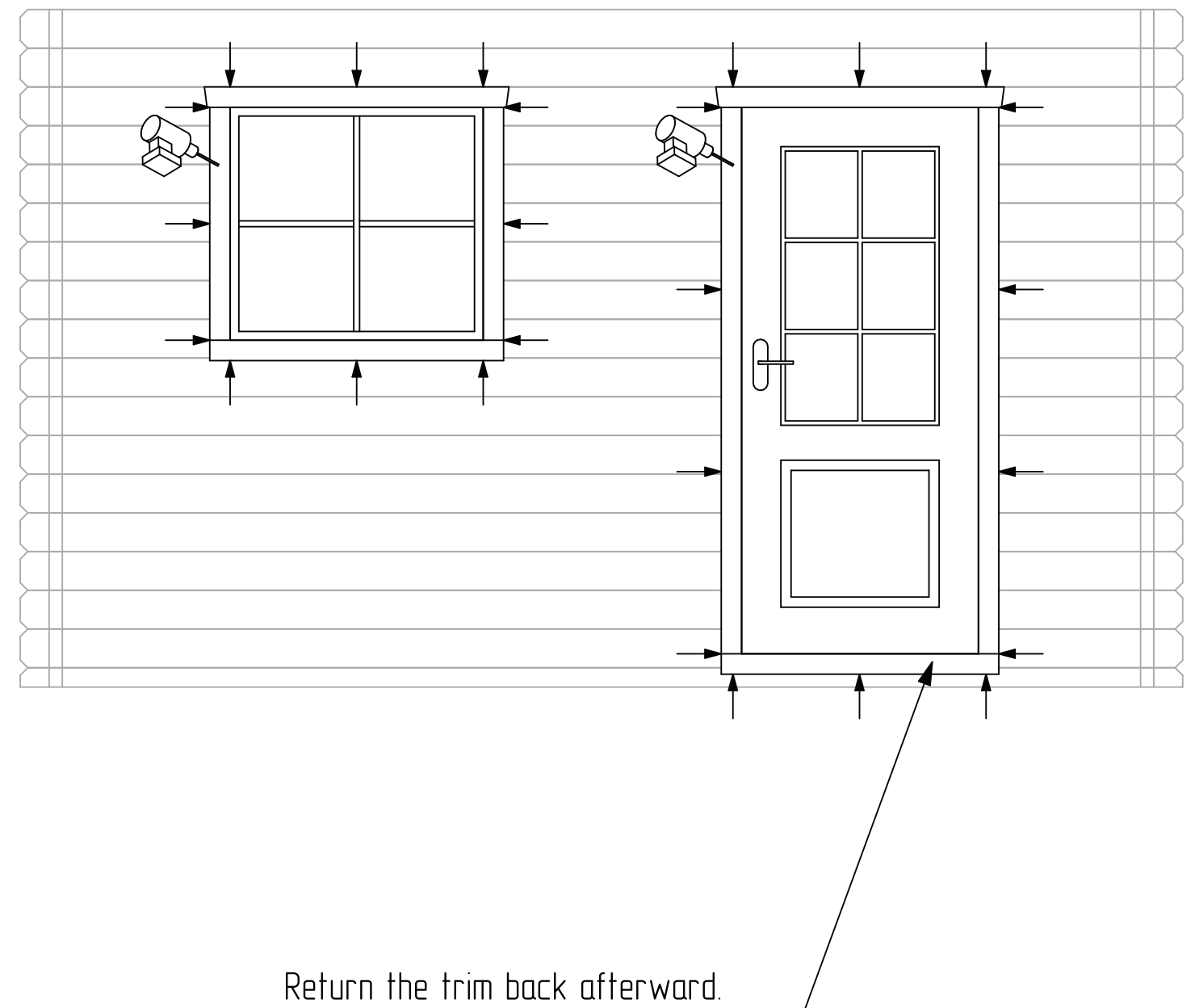
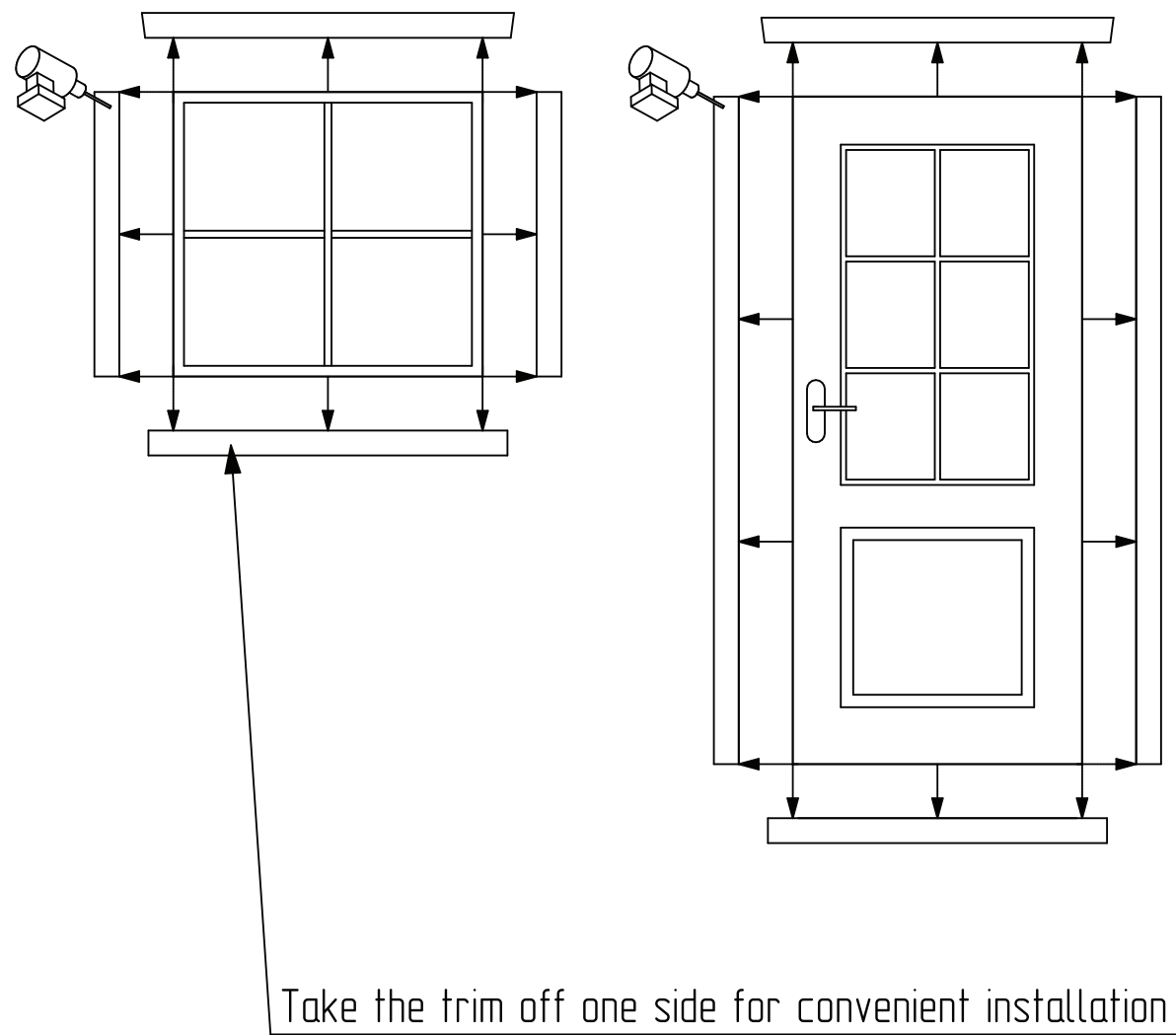
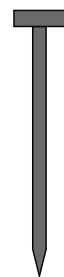
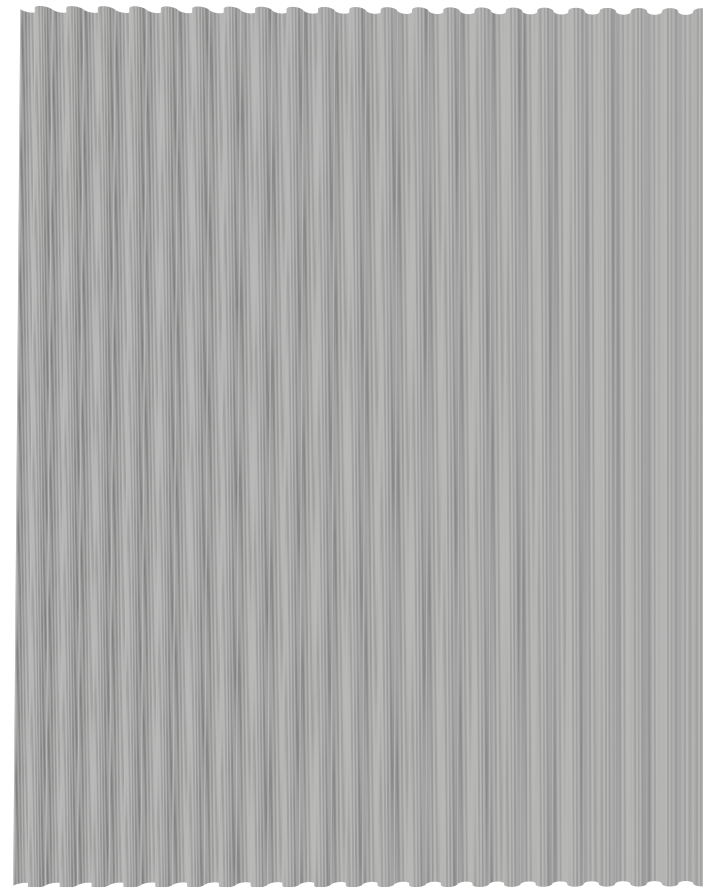


Fig 12. Windows and doors



Note regrading roof finishing material:

Although we do not include any roof shingling material in our kit packages.

We highly recommend that you choose ONDURA corrugated asphalt roofing sheets for your own DIY assembly. ONDURA products offer a lightweight and attractive solution for roofing projects and are very economical and relatively quick to install. ONDURA is made with a tough organic fiber core that is completely infused with asphalt as the weather protection barrier.

ONDURA COMES IN SHEET SIZES OF 36" x 79"

AND IS AVAILABLE IN STOCK AT MOST LOCAL HOME DEPOT LOCATIONS.

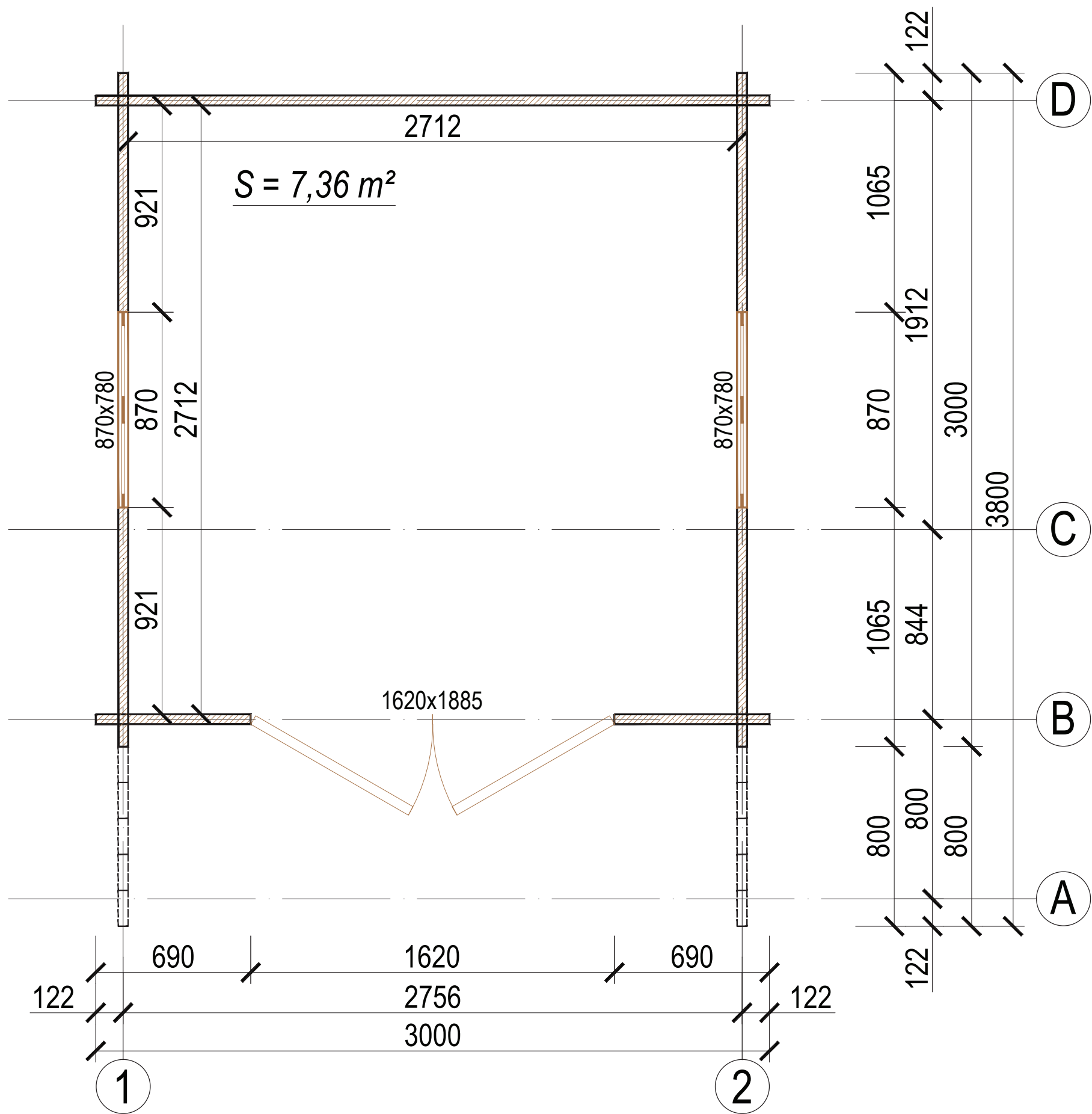
THE AREA OF ROOF TO COVER ON EACH SIDE OF A HILLCREST LOFT IS 149.6" x 77" (3.8m x 1.95m)

YOU WILL REQUIRE 10 SHEETS OF ONDURA ROOF PANELS IN YOUR CHOICE OF COLOUR

+ 2 RIDGE CAPS AND 1 BOX OF ONRUDA SPECIFIC NAILS.

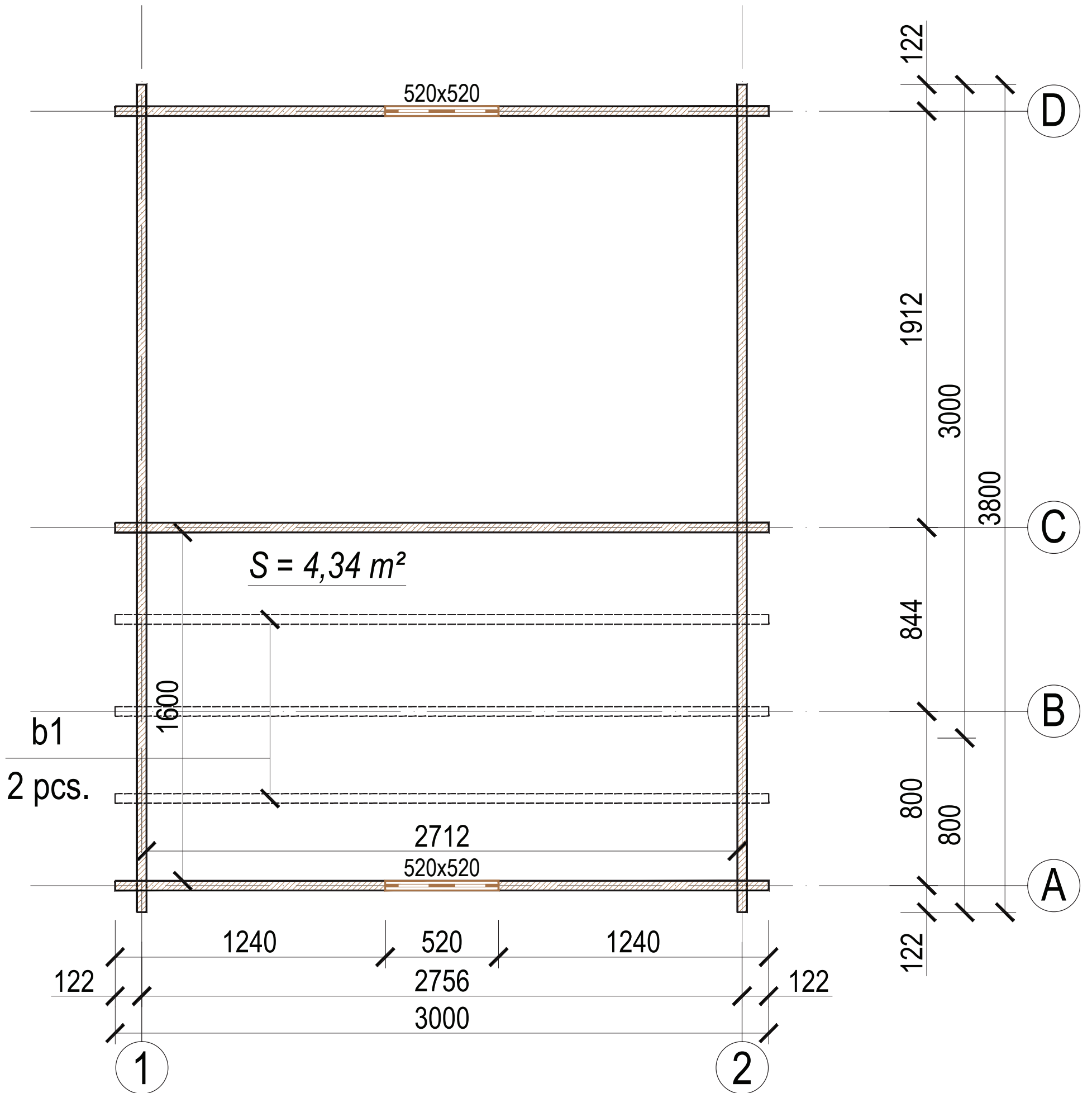
Plan of the 1st floor in axis 1/2 - A/D

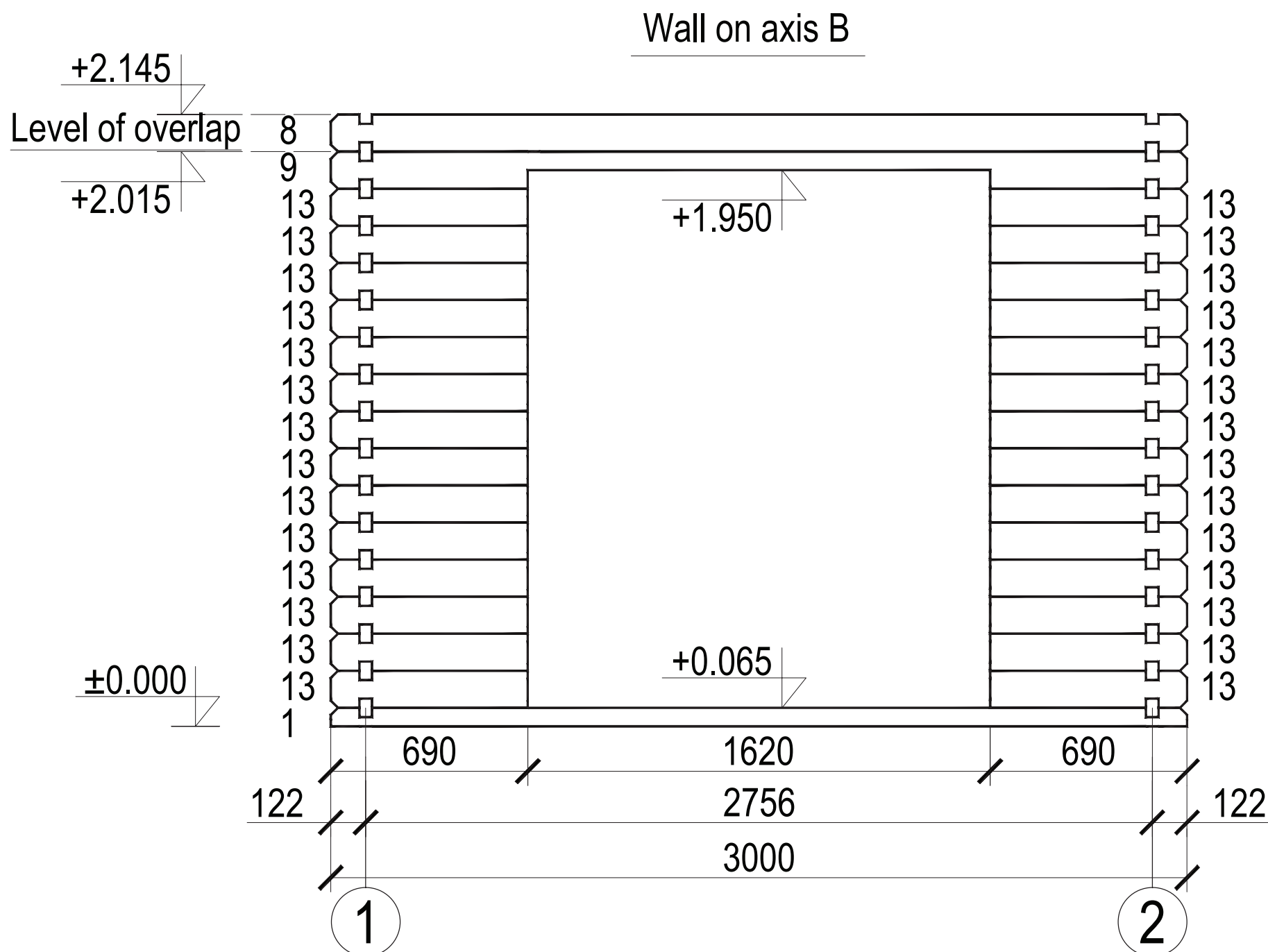
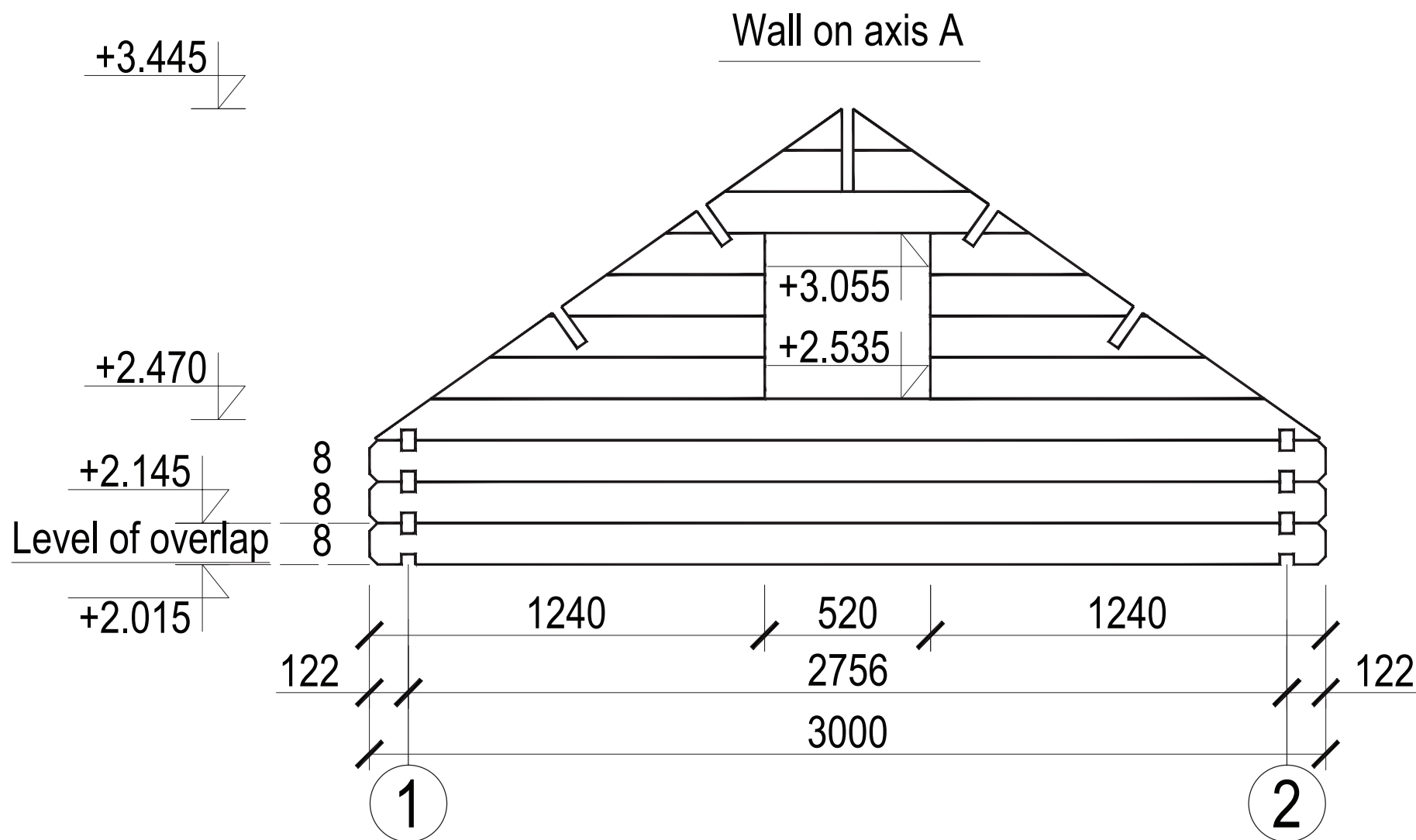
PLSP 515 - 3,0x3,0+0,8 - 44x130



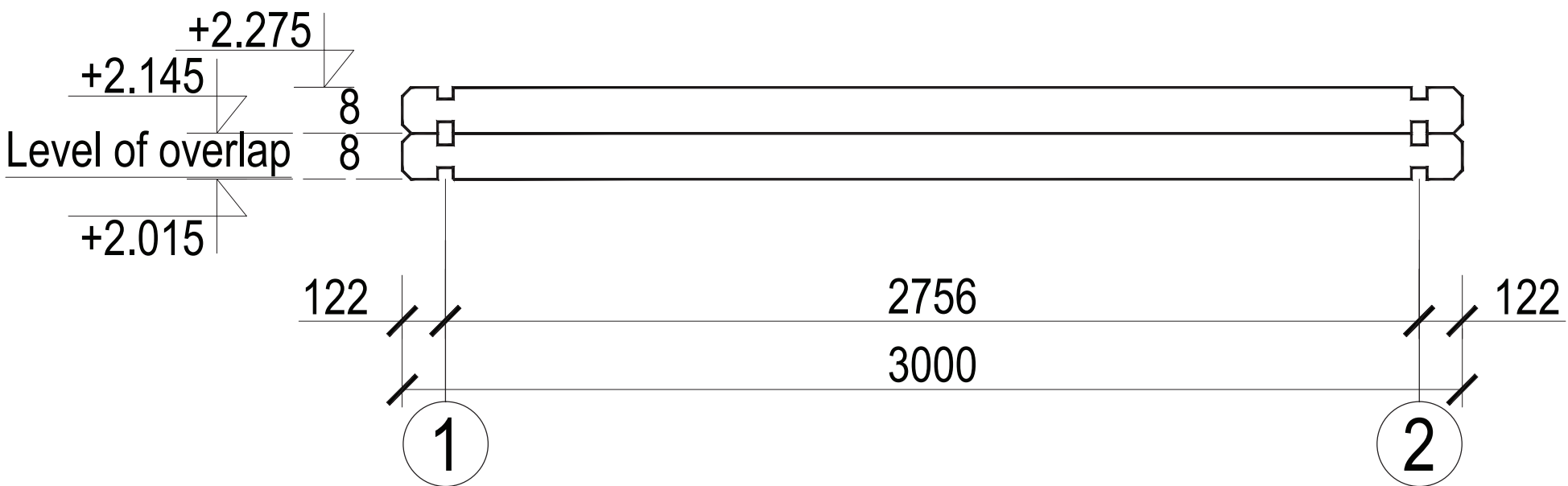


GH I 515 - 3,0x3,0+0,8can - 44x130

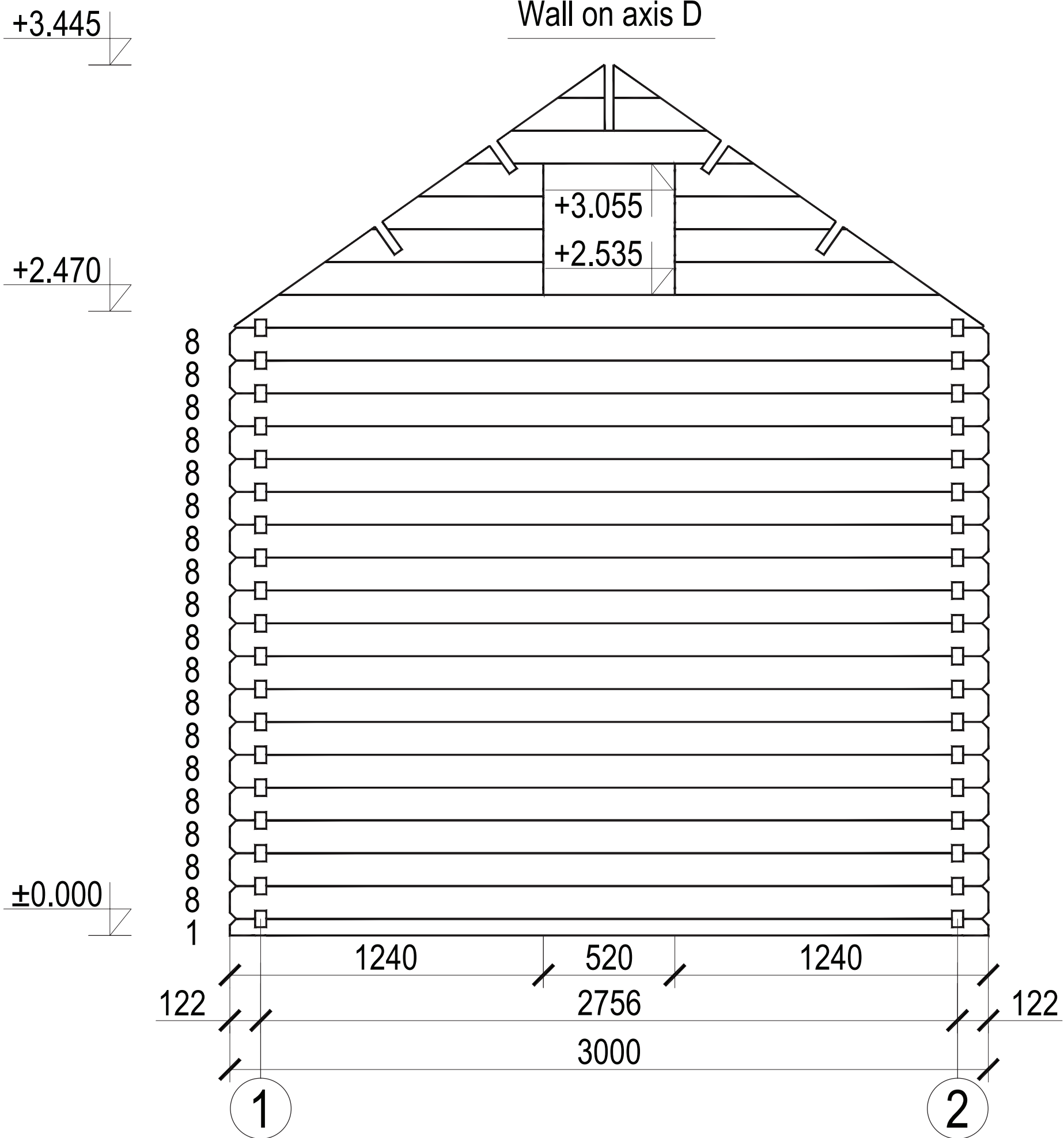




## Wall on axis C

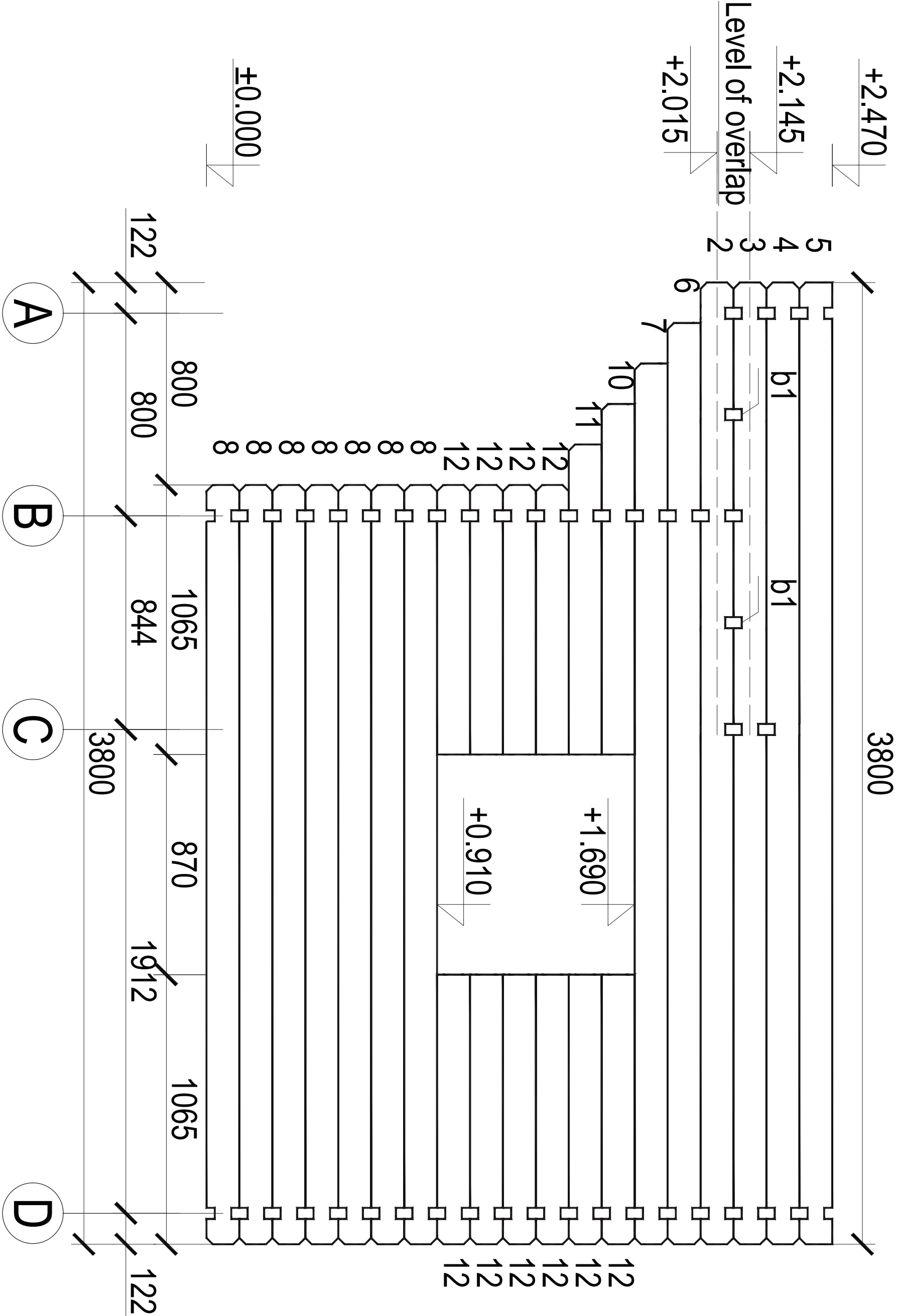


## Wall on axis D

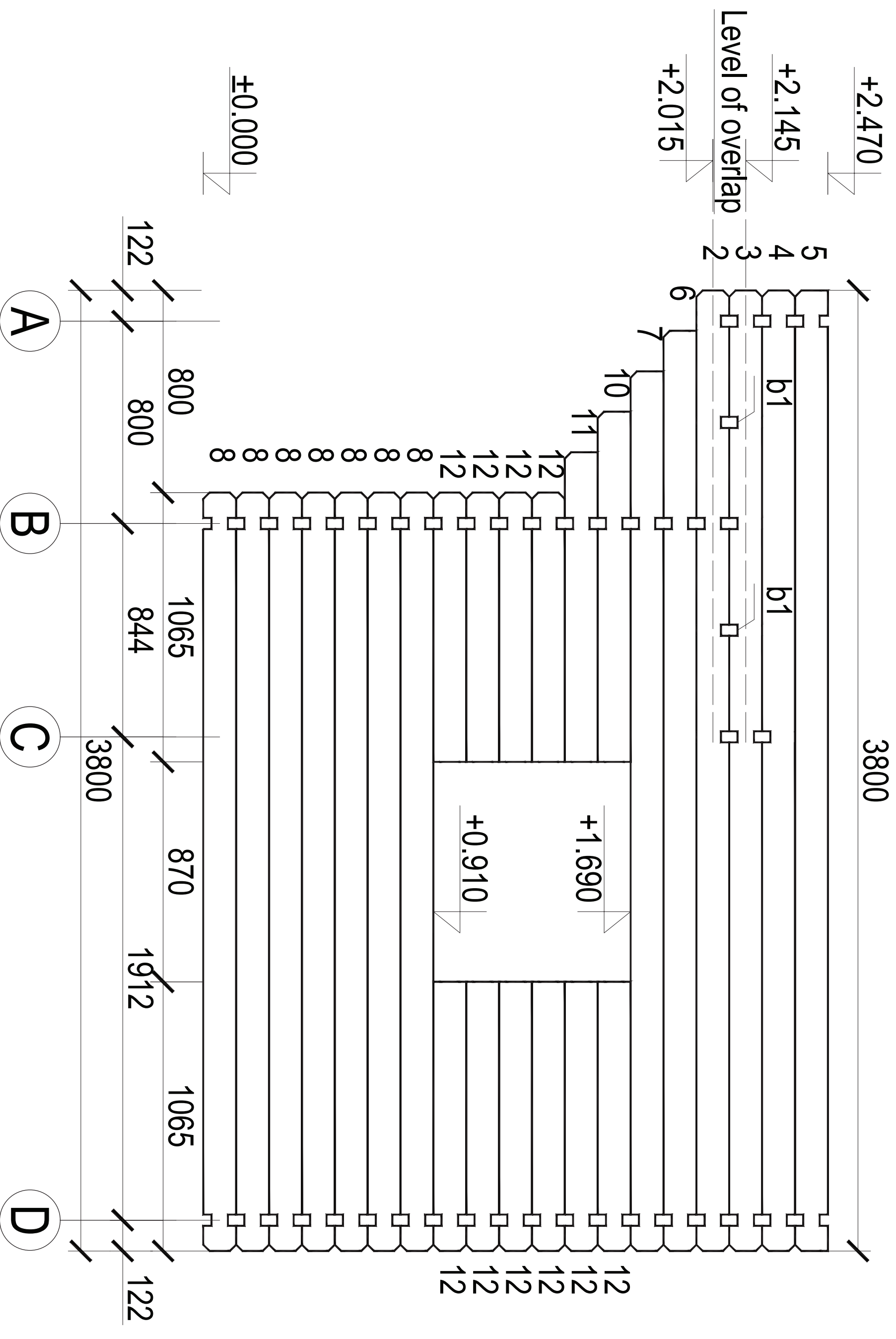


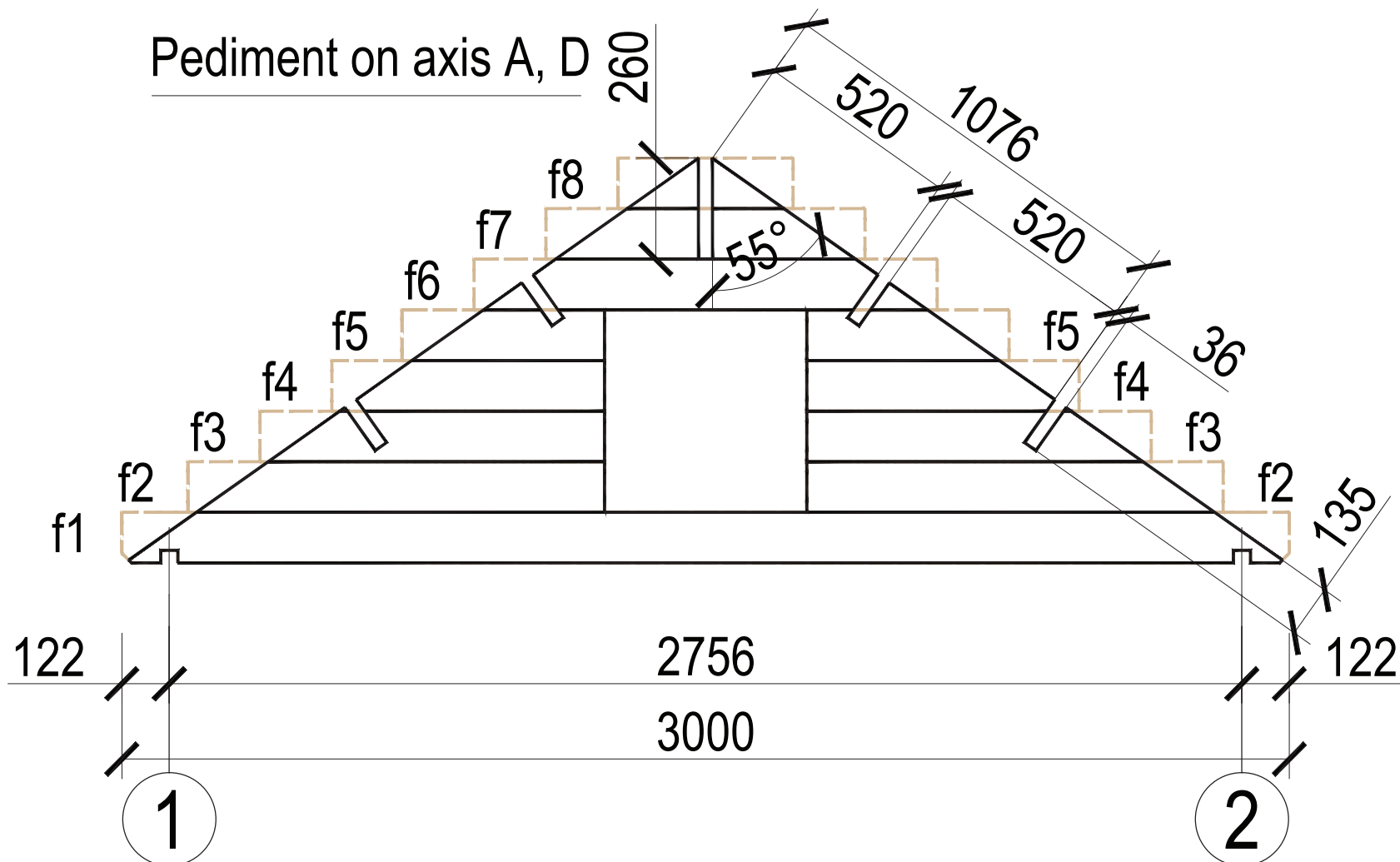


Wall on axis 1

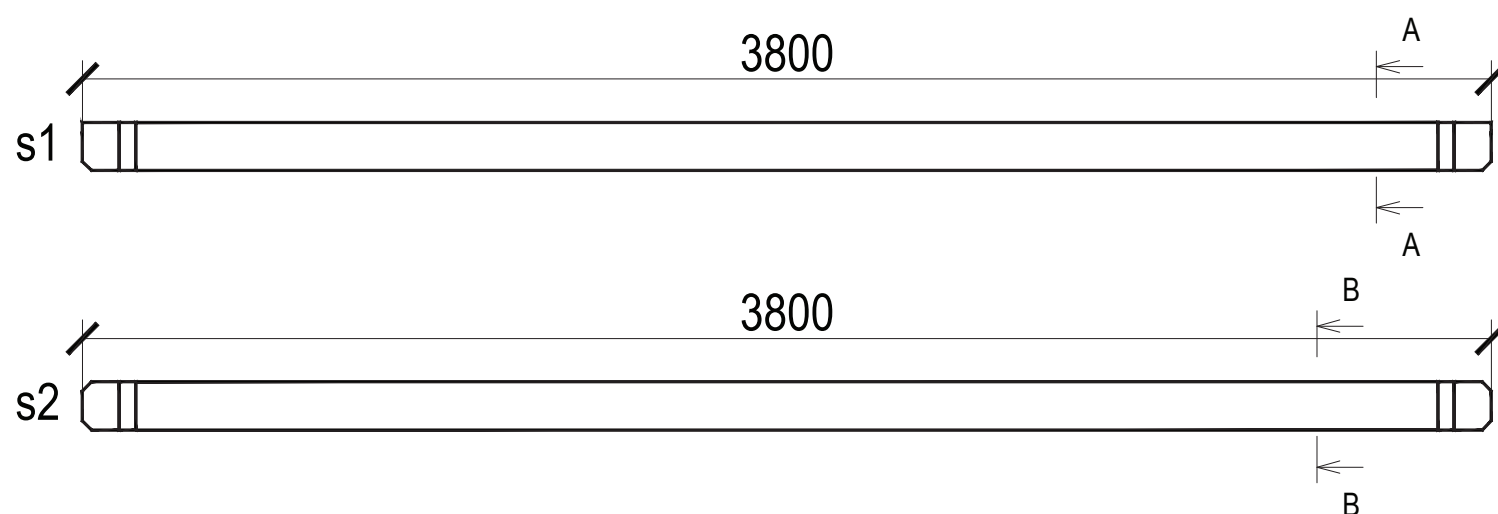


## Wall on axis 2





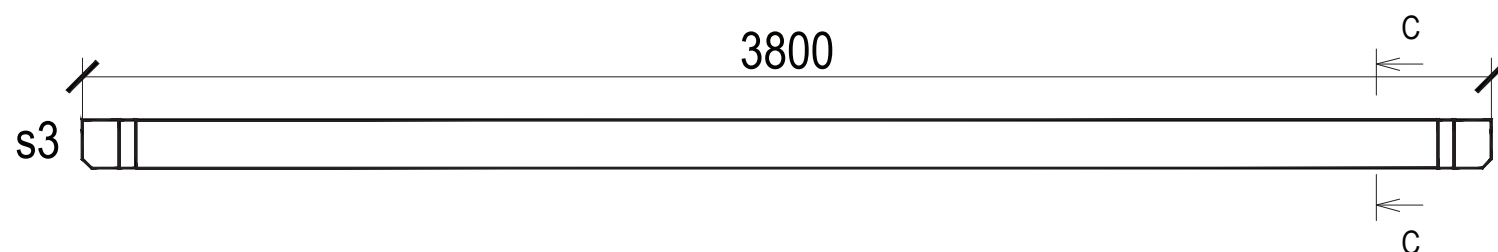
Rafter 44x130



A - A

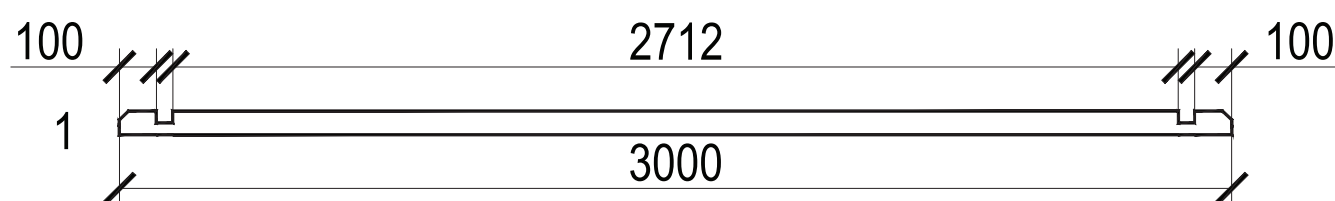
B - B

Rafter 44x135

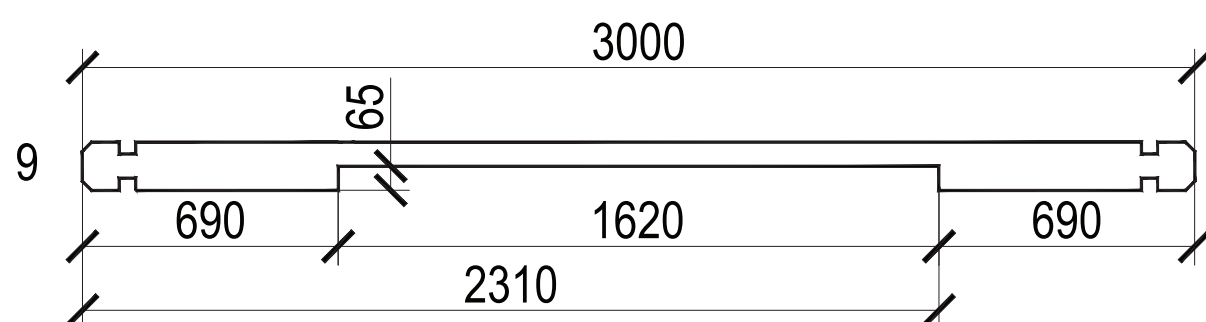


C - C

Starting item 44x130

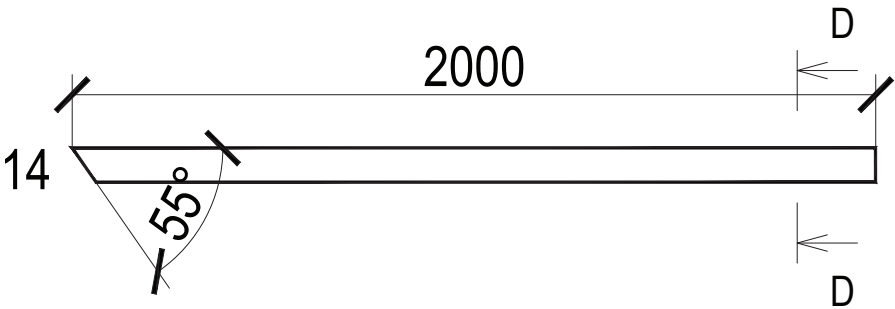


Details





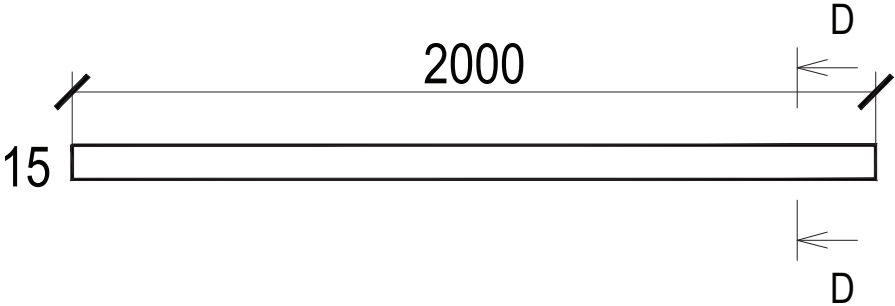
Front wind flap



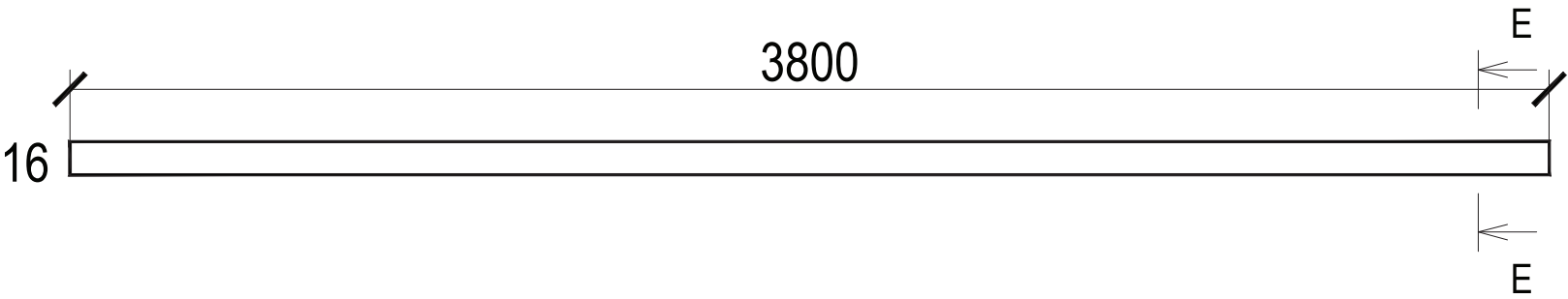
D - D



Top wind flap



Side wind flap



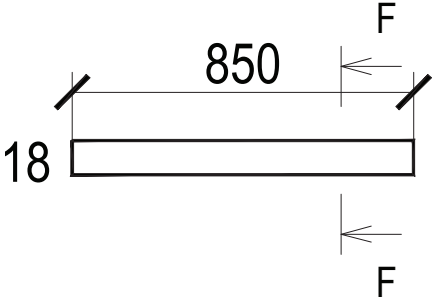
E - E



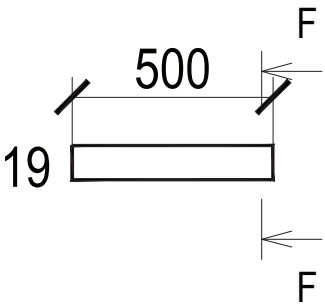
Flashings rhomb


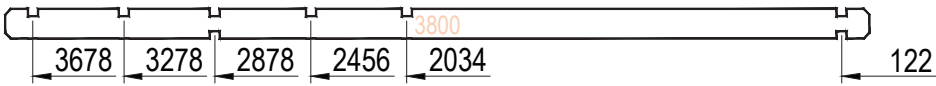
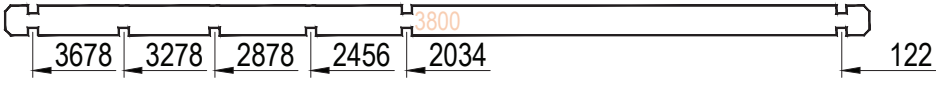
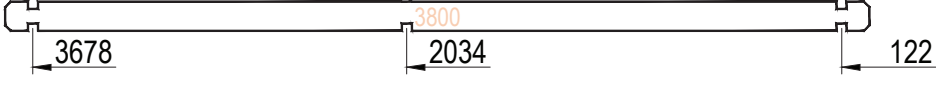




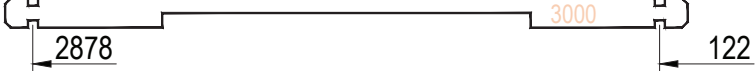
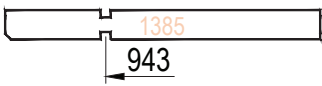
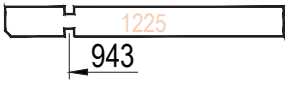
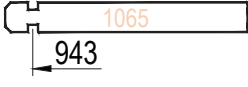
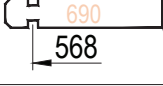

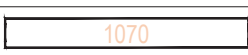












Railing



F - F



No	Details	Lenght	Pcs.
Starting item 44x130			
1		3000	2
Wall 44x130			
2		3800	2
3		3800	2
4		3800	2
5		3800	2
6		3640	2
7		3480	2
8		3000	38
9		3000	1
10		1385	2
11		1225	2
12		1065	20
13		690	28
Pediment 44x130			
f1		3000	2
f2		1070	4
f3		885	4
f4		700	4
f5		520	4
f6		1190	2
f7		820	2
f8		450	2
Rafter 44x130			
s1		3800	1
s2		3800	1
Rafter 44x135			
s3		3800	4
Timber ceiling 44x130			
b1		3000	2

№	Name of part	Lenght	Amount			
14	Front wind flap 16x85	2000	4			
15	Top wind flap 16x85	2000	4			
16	Side wind flap 16x44	3800	2			
17	Flashings rhomb	pcs.	2			
18	Railing 20x110	850	2			
19	Railing 20x110	500	4			
20	Kosour 30x110	2480	2			
21	Ladder step 30x110	500	11			
22	Lath 30x44	2700	2			
23	Plinth	m.	45			
24	Logs 50x70	2800	6			
25	Floor covering	2700	28x85	28x90	28x113	28x130
			32	31	24	21
26	Floor covering	1600	28x85	28x90	28x113	28x130
			32	31	24	21
27	Board on the roof	1950	16x85	16x90	16x113	16x130
			45	43	34	30
28	Board on the roof	1950	16x85	16x90	16x113	16x130
			45	43	34	30
29	Door 1620x1885	pcs.	1/2 glass	wooden	glass	
					1	
30	Window 870x780	pcs.	2			
31	Window 520x520	pcs.	2			
32	Fasteners for ladders	pcs.	2			