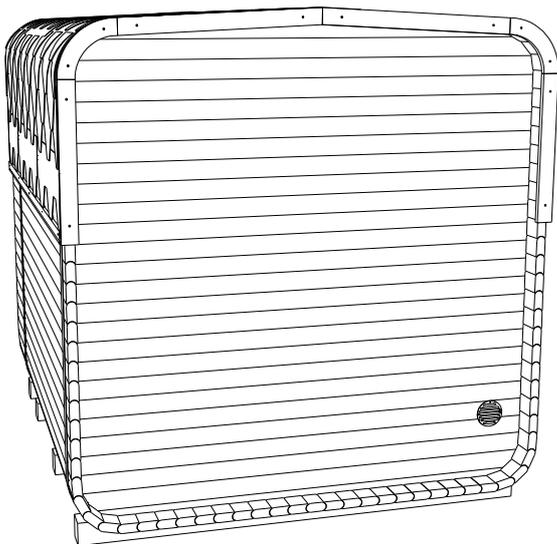
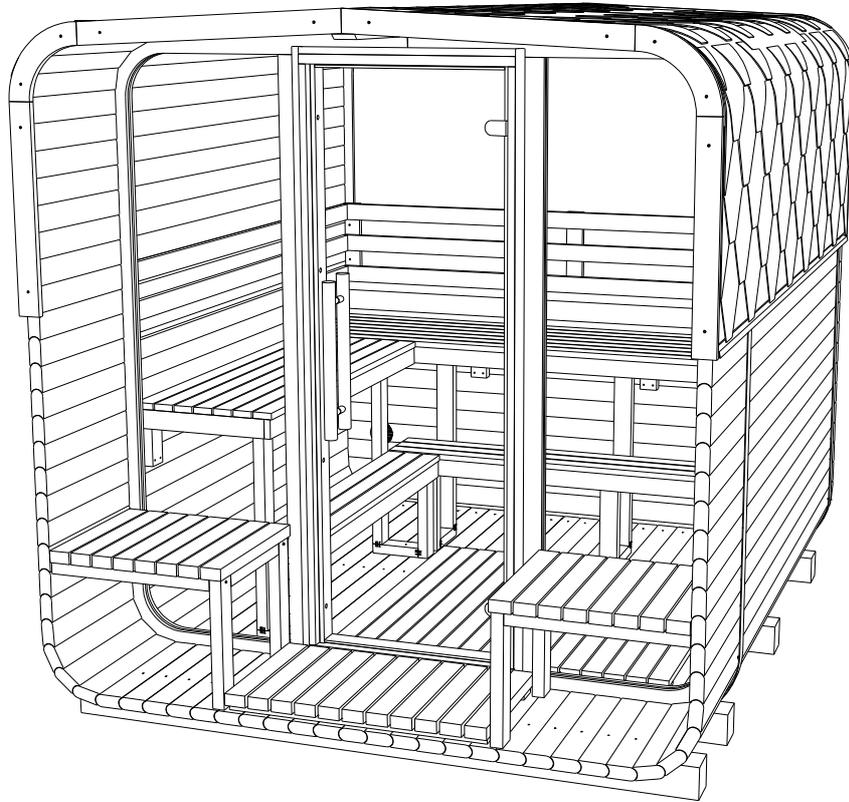
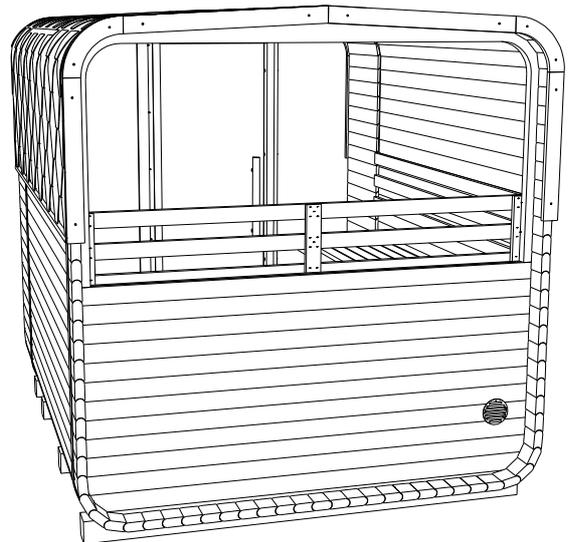


SQUARE SAUNA ASSEMBLY INSTRUCTIONS



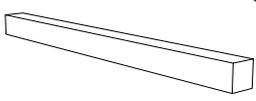
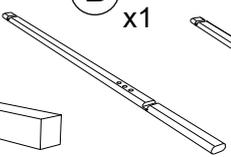
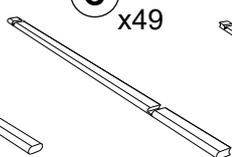
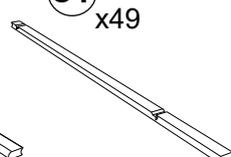
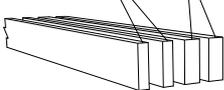
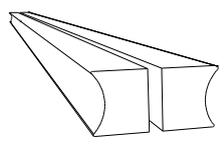
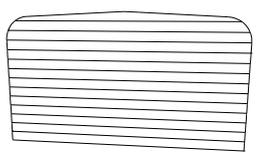
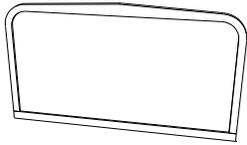
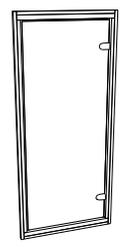
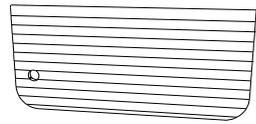
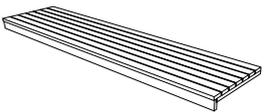
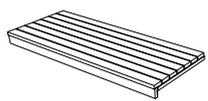
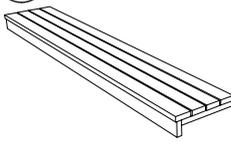
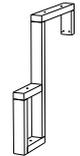
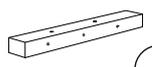
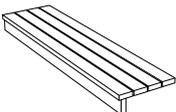
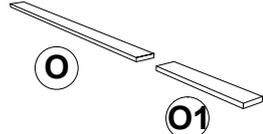
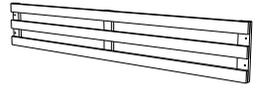
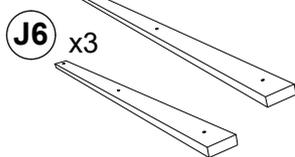
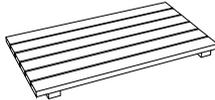
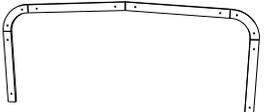
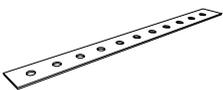
KT-250



KTP-250

Note: Please read the manual before construction

PARTS LIST

| | | | | | |
|---|--|---|---|---|--|
| A x4  cradle | B x1  center stave | C x49  left body stave | C1 x49  right body stave | H1 x4 10mm 15mm  different thickness filling peaces | H x2  final H type stave at the top |
| V3 x1  upper rear panel | F x2  front panel | V1 x1  upper rear panel (panoramic) | F2 x1  door and door moldings | V x1  bottom rear panel | |
| J x1  sauna bench | J4 x1  sauna bench(short) | J5 x1  sauna bench step(long) | J1 x4  supporting leg | J3 x2  support board for sauna bench | J8 x1  support board for sauna bench |
| J7 x1  sauna bench step(short) | L x2  sauna floor | K x2  outside benches | O x1 O1 x1  roof board | I x2  metal band | |
| J2 x1  backrest in front of panorama window | J2 x3 J6 x3  long and short backrest stave | L1 x3  outside sauna floor | Y x1  adhesive tape for panels | Y1 x1  ventilation grill | |
| W x12  decorative roof finishing boards | x2  wood pin | D x1  metal bracket | S11 x44  screw 4.0x40 | S1 x88  screw 5.0x100 SS | S10 x150  screw 4.0x60 |

PARTS LIST

(S4) x4



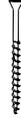
screw 5.0x120

(S6) x70



screw 5.0x70 SS

(S7) x28



screw 4.2x55 brown

(S12) x6



screw 4.0x30

(S14) x10



screw 5.0x80

(S9)



x2

bolt
ø12x140

+



x2

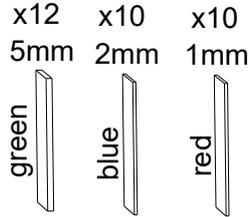
hex nut
M12 (SW19)

+



x4

flat washer



door box spacers

(N1) x2

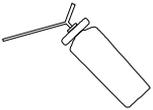


door handle



shingle nails

(P7) x1



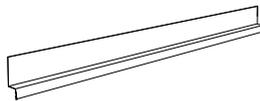
spray foam

(P4) x1



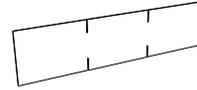
bitumen roof mastic

(P8) x2



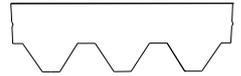
metal cornice

(P5) x1



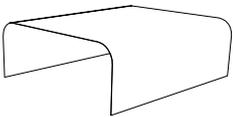
roof shingle ridge
eaves

(P1) x3



roof shingles

(P2) x1



underlay for roof
shingles

RECOMMENDATION



2 person recommended

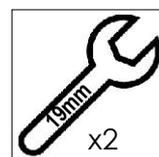
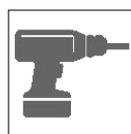
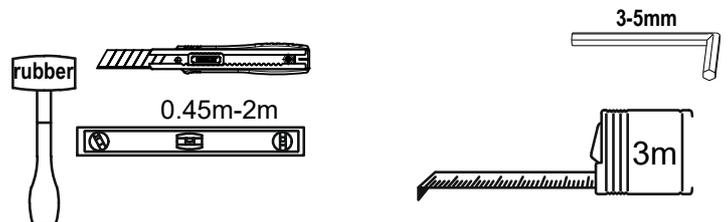
Before you begin, be sure the sauna will fit in your chosen location.

Be sure the site is level and free of standing water after rainfall.

Concrete, pavers or crushed stone is preferred.

Check parts before construction.

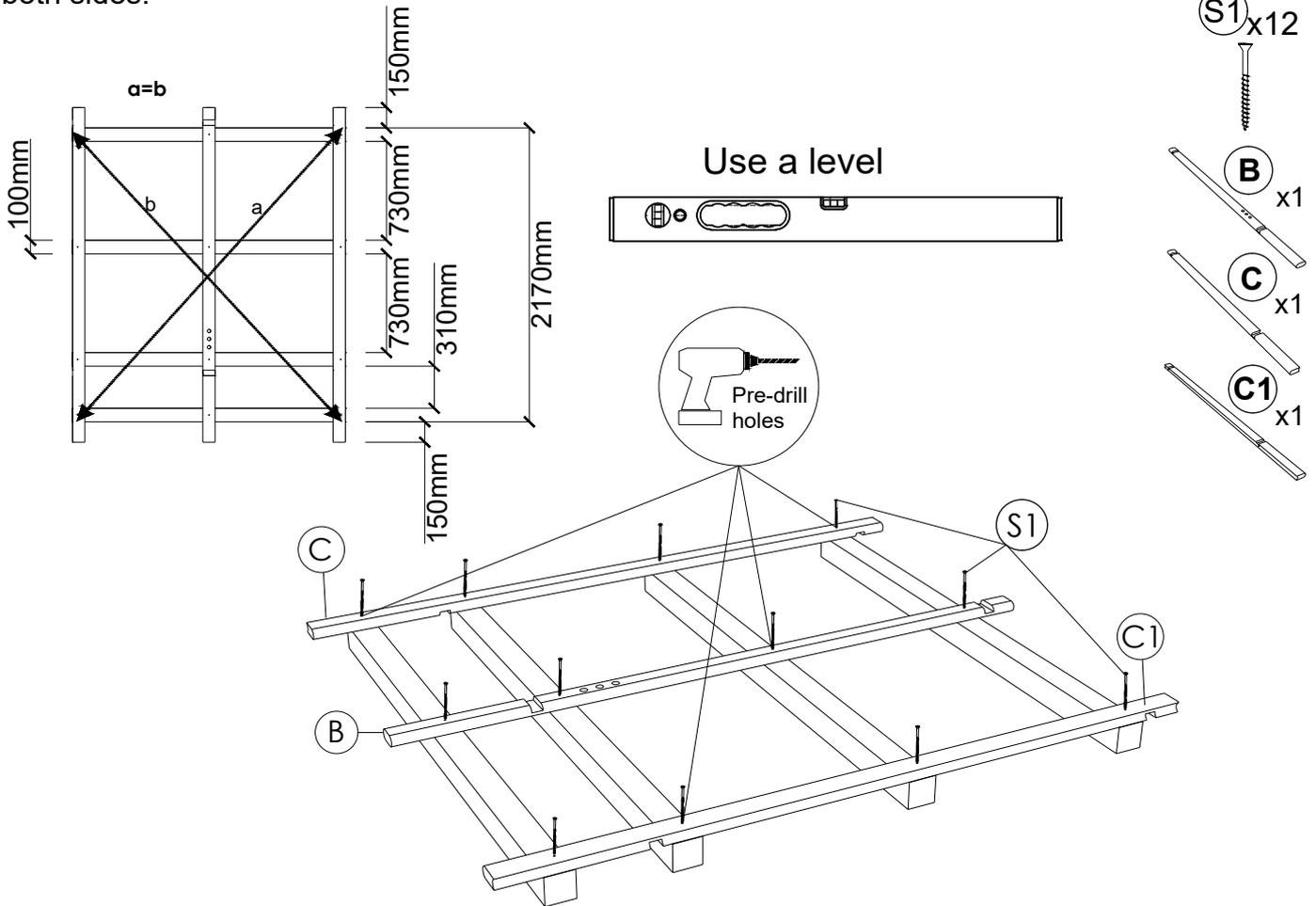
TOOLS REQUIRED



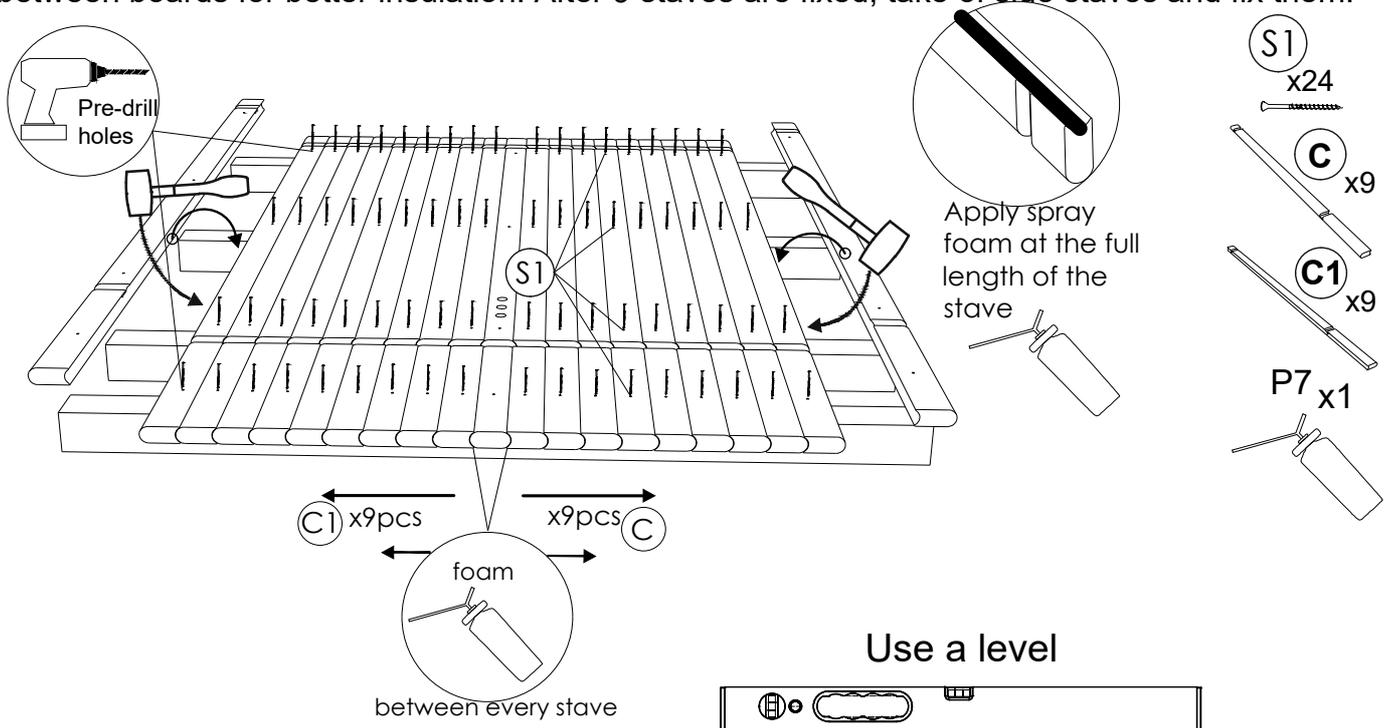
x2

Ø4-10mm

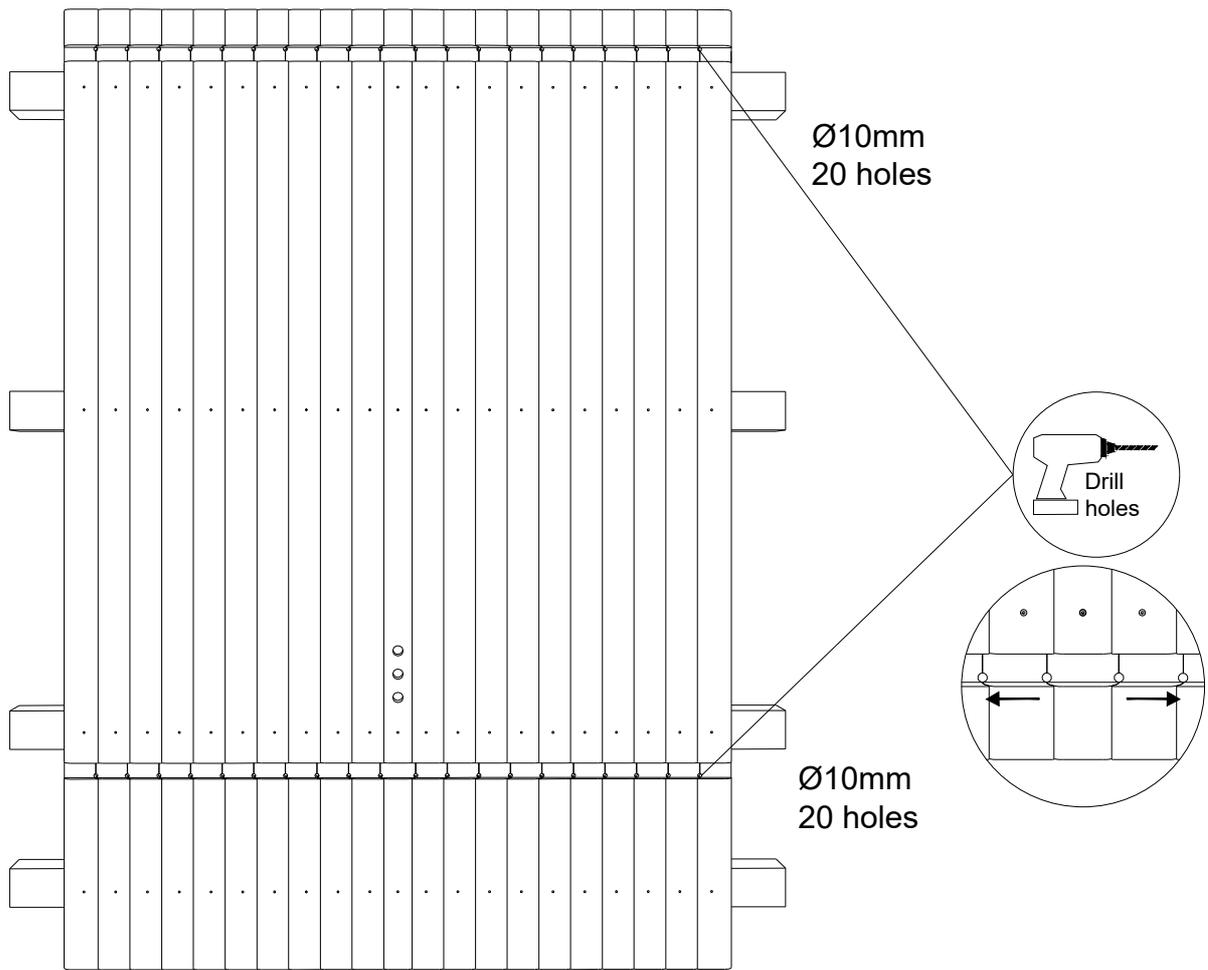
STEP 1: Place cradles on prepared surface. The base for sauna cradles must be leveled and sturdy. Measure diagonally from corner to corner. Measurements "a" and "b" should be equal. The distance between cradles are in picture. Fix staves on both sides of the cradles to prevent any change in measurements. Check levels again. Pre-drill holes before fix staves with screws. Fix the center stave (B) in the middle of the cradles. Leave the stave 150mm over the cradle on both sides.



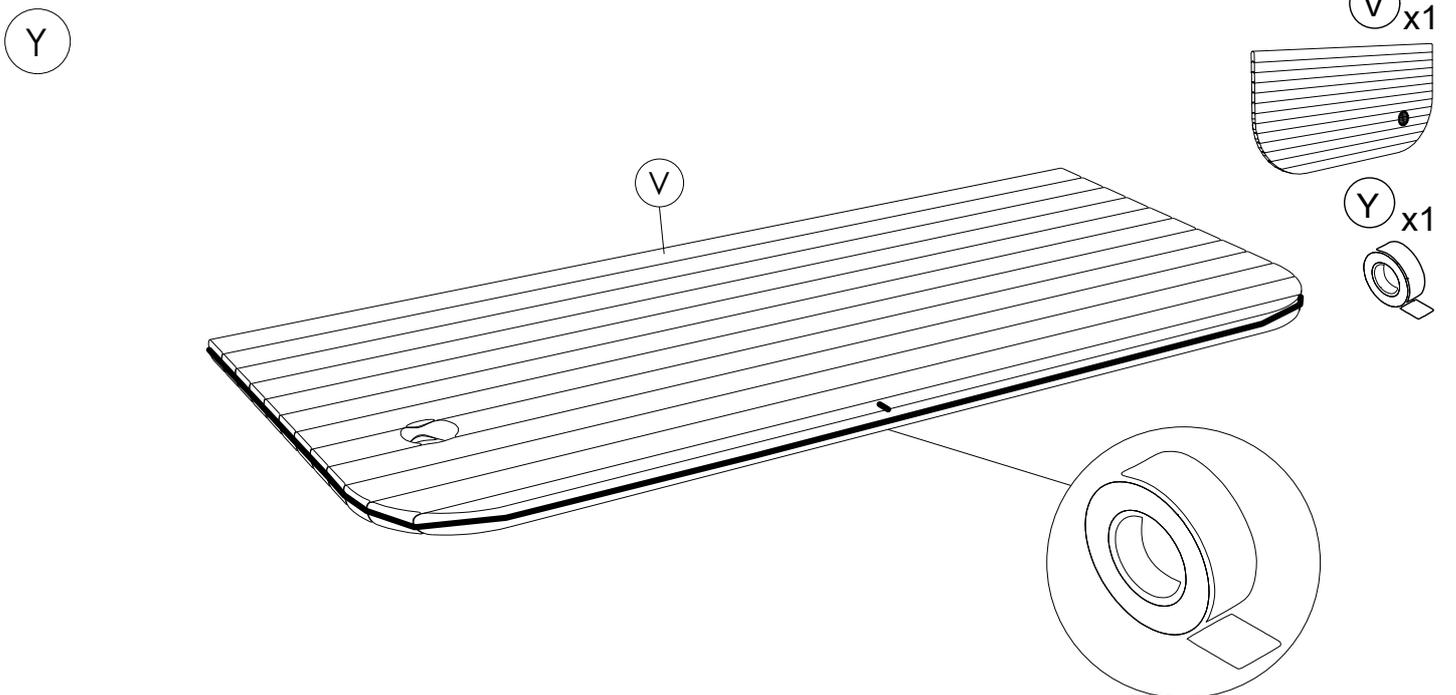
STEP 2: Fix 9 staves (C; C1) to each side from the center stave. Check level while installing staves and use rubber hammer for tighter placement. Pre-drill holes for screws. Use spray foam between boards for better insulation. After 9 staves are fixed, take of side staves and fix them.



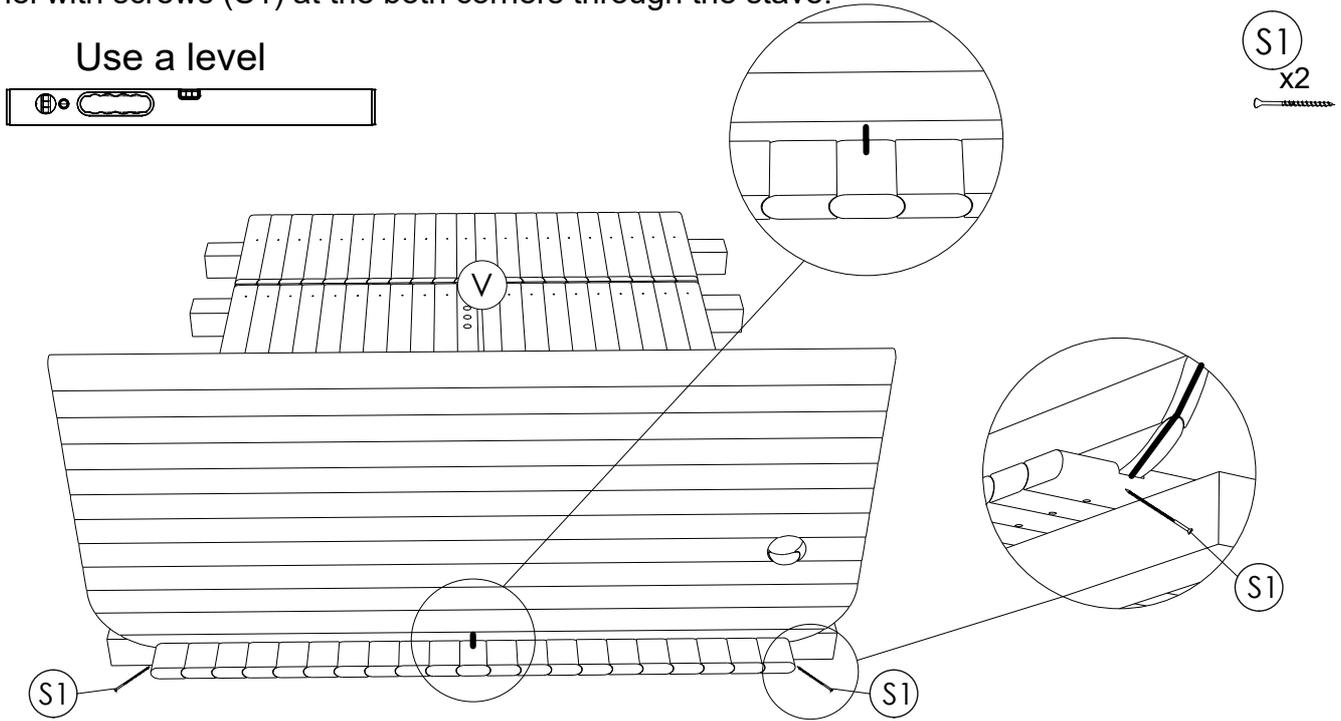
STEP 3: Drill twenty 10mm holes in front and back wall groove to the out-side in board connections as shown in the picture. This will help drain excess water faster.



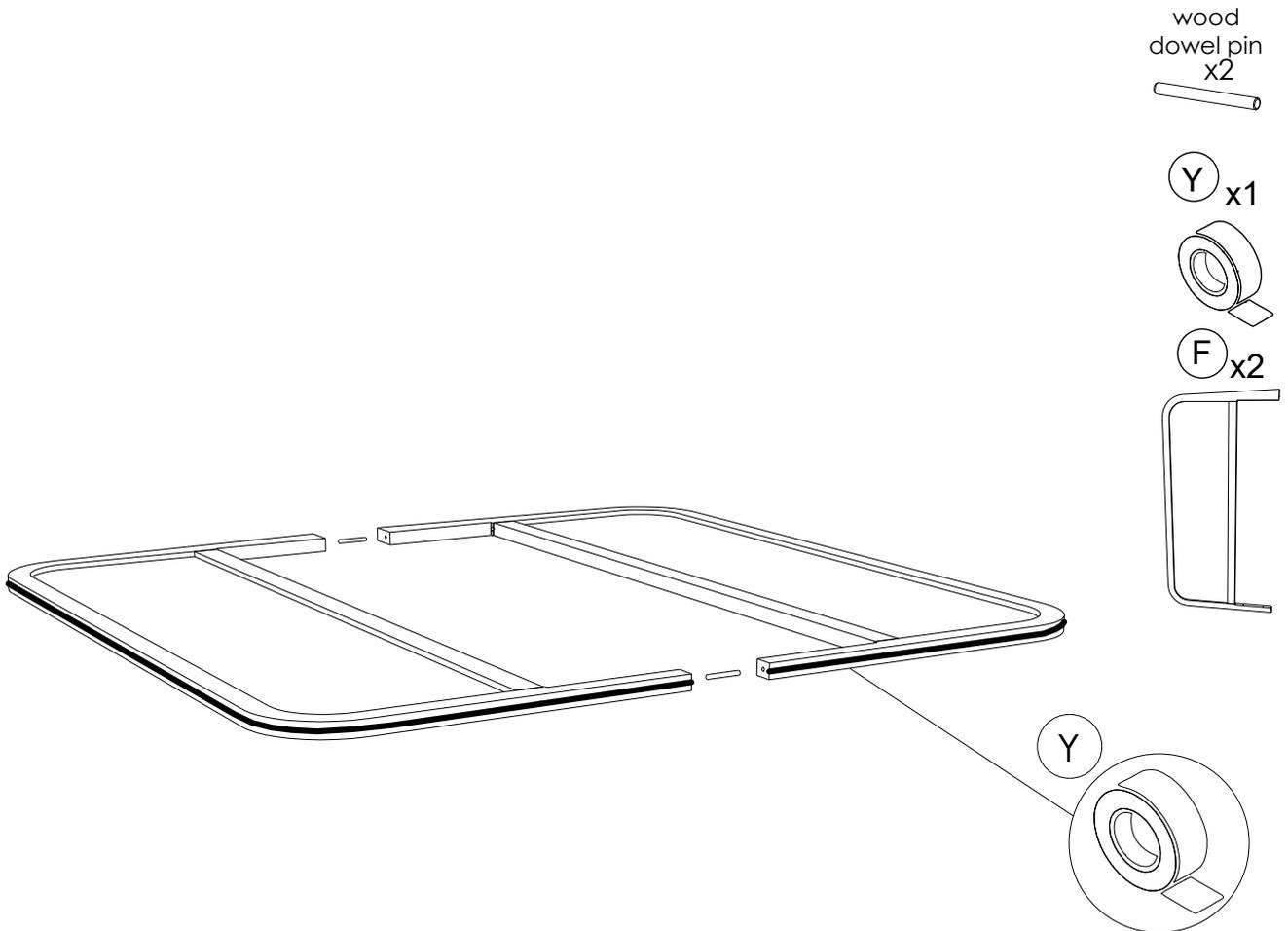
STEP 4: Attach adhesive tape along the rear panel's edge. At the bottom of the rear panel (V), draw a line where the centre of the panel is. Do the same on the centre stave of the floor, where the panel will be sitting.



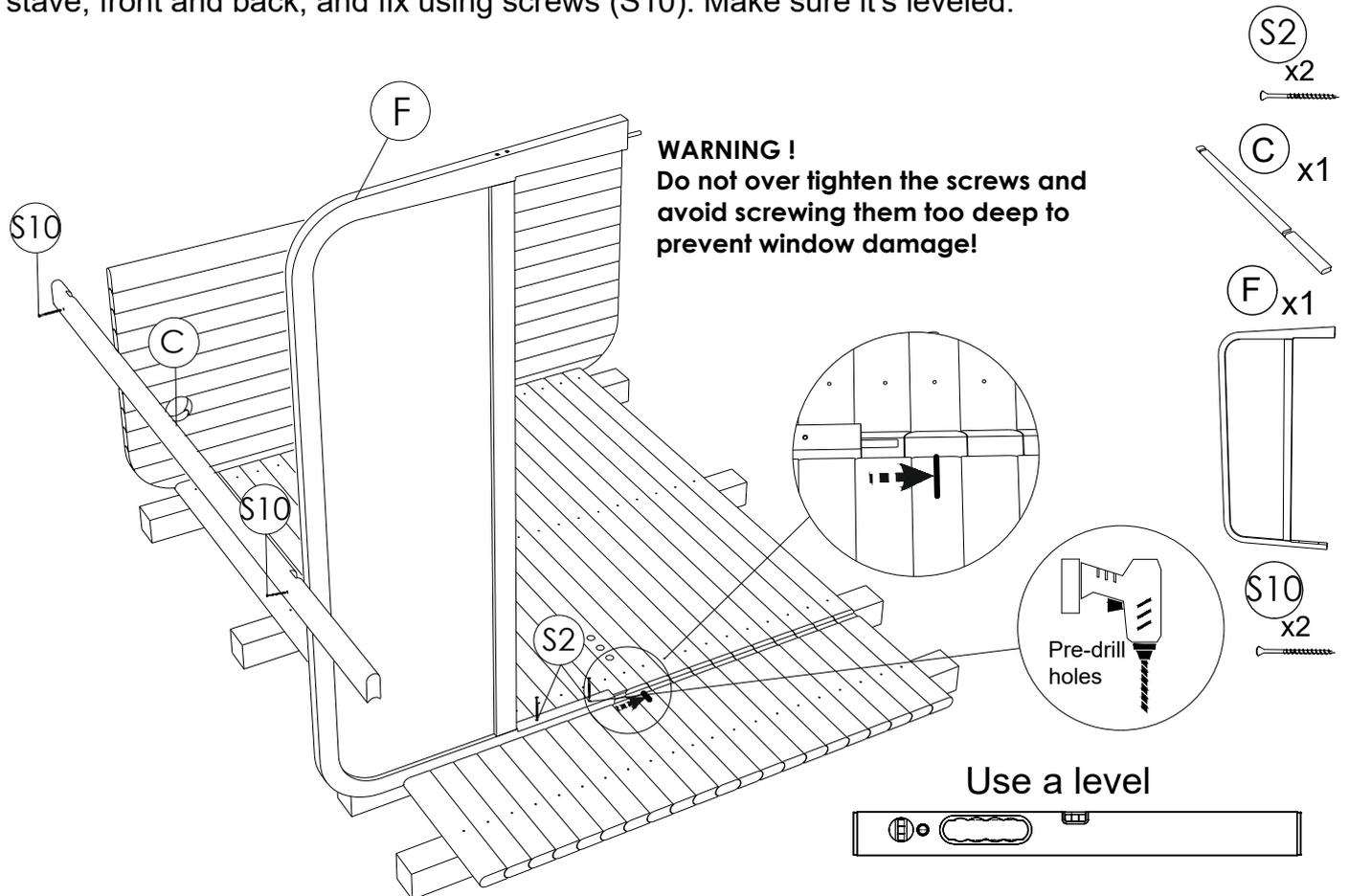
STEP 5: Place rear bottom panel (V) in the board groove. Check that the panel is level. Secure panel with screws (S1) at the both corners through the stave.



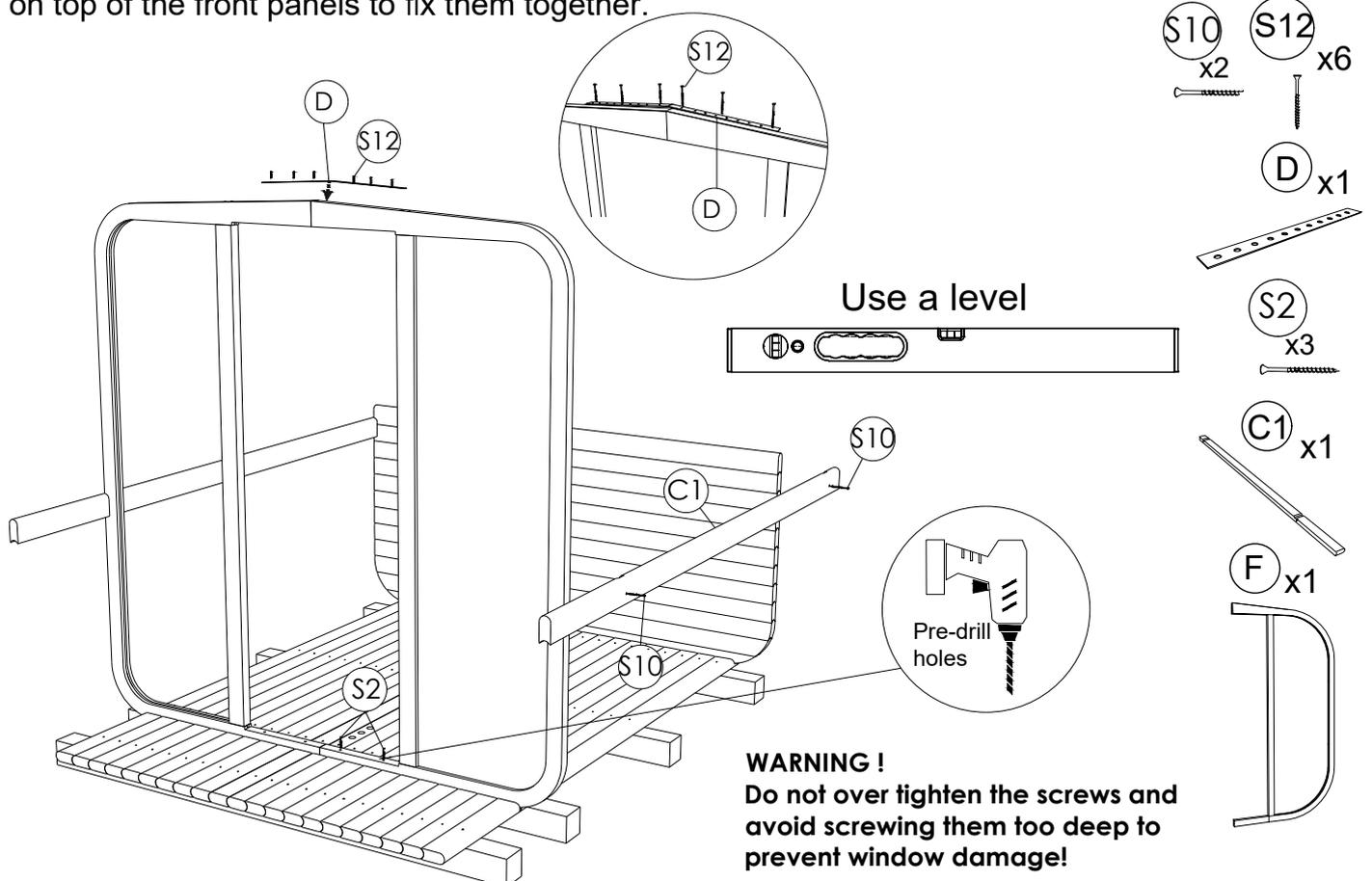
STEP 6: Attach adhesive tape along the edge of both front panels (F). Insert wood pin in both holes of the front panel top and bottom.



STEP 7: Draw a line on the center stave where the middle is. Take one of the panels (F) and put it directly next to the middle line. Fix it at the panel threshold with screws (S2). Pre-drill holes in the panel threshold, evenly spaced and not too close to the sides. Connect both panels with (C) stave, front and back, and fix using screws (S10). Make sure it's leveled.

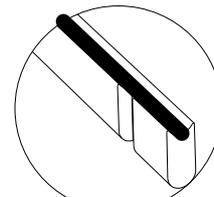
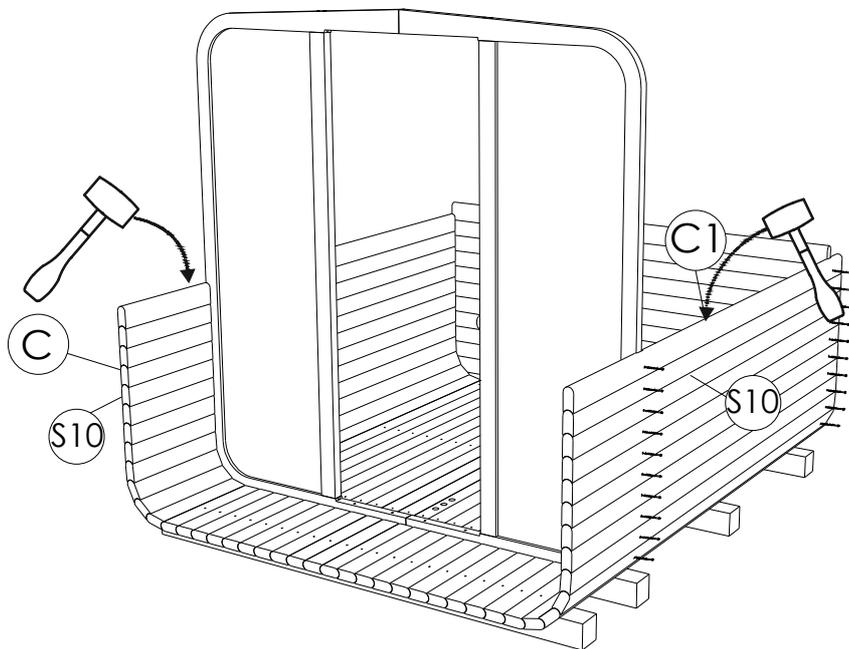


STEP 8: Place the second front panel (F). Slide it together that the top and bottom connects. Fix it at the panel threshold with screws (S2) pre-drill holes. Make sure it's level. Use metal bracket on top of the front panels to fix them together.

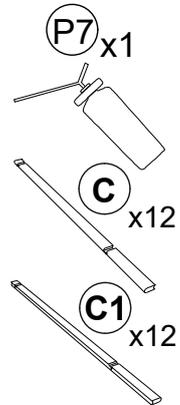


STEP 9: Fix 12 staves (C; C1) on both sides with screws (S10). Use rubber hammer for tighter placement. Use spray foam between every staff. Keep fixing staves till reach top of the rear panel (V).

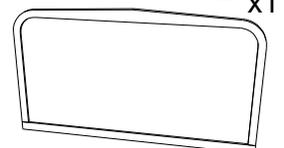
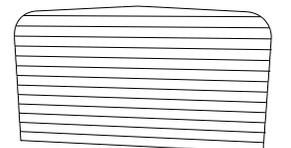
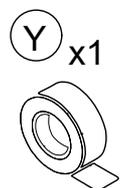
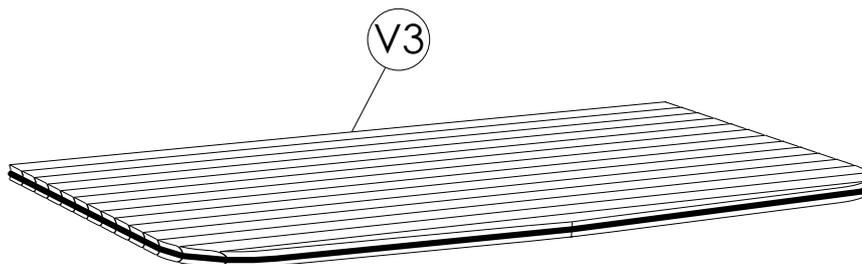
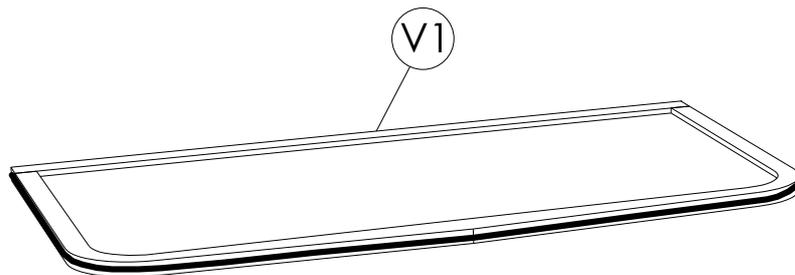
WARNING !
Do not over tighten the screws and avoid screwing them too deep to prevent window damage!



Apply spray foam at the full length of the staff

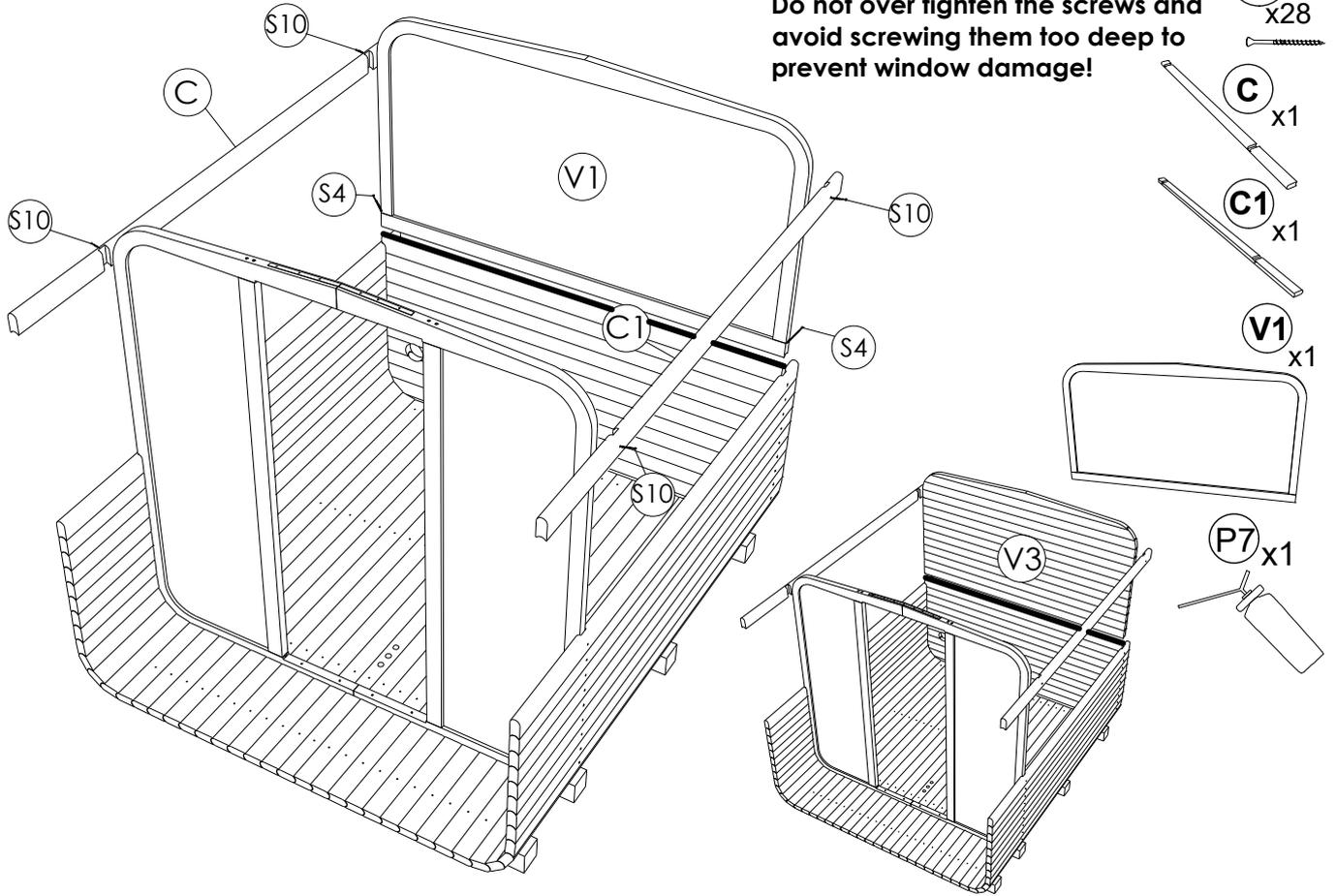


STEP 10: Attach adhesive tape along the rear panel with window (V1) or panel (V3) edge.

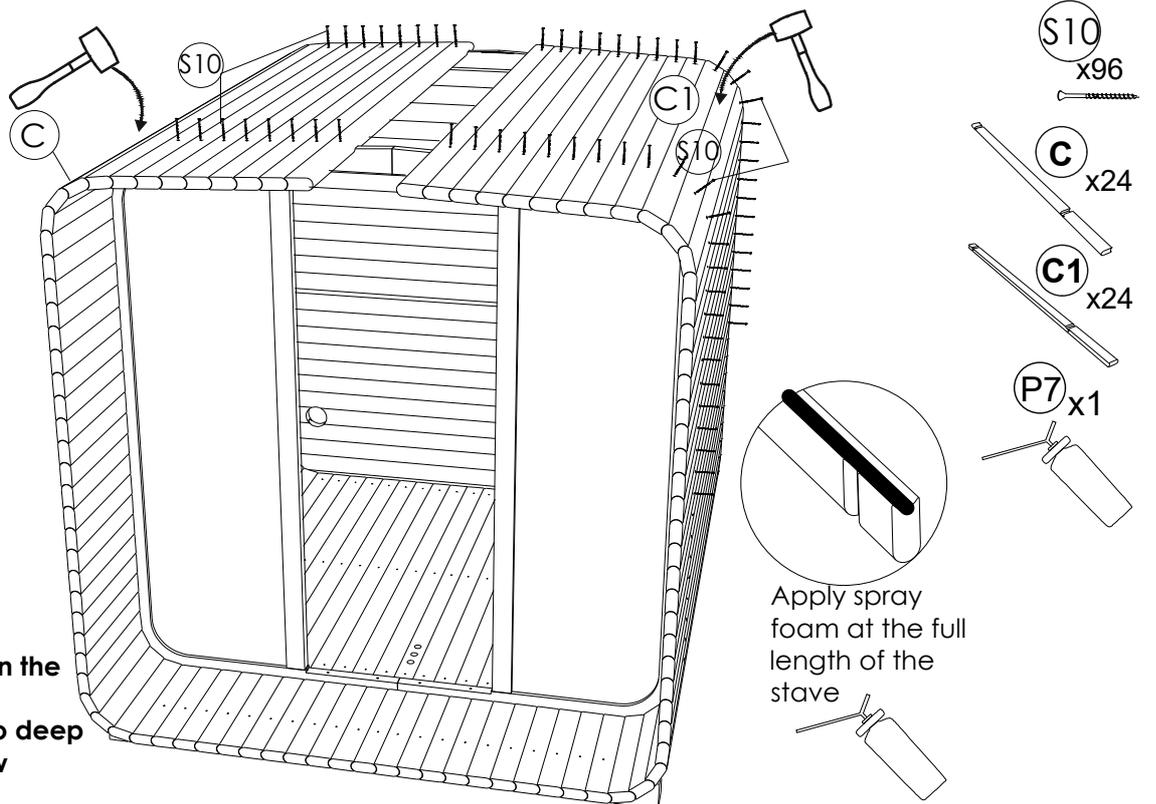


STEP 11: Install the panoramic panel (V1) or panel (V3) with caution. Use spray foam between panels for better insulation. Place it on top of the lower back panel (V). Check level and that side edges are aligned with bottom panel. One keeps holding the panel, and the other is fixing the side stave on a upper curve using screws (S10). Secure the panel (V1;V3) at the both corners using two screws (S4).

WARNING !
Do not over tighten the screws and avoid screwing them too deep to prevent window damage!

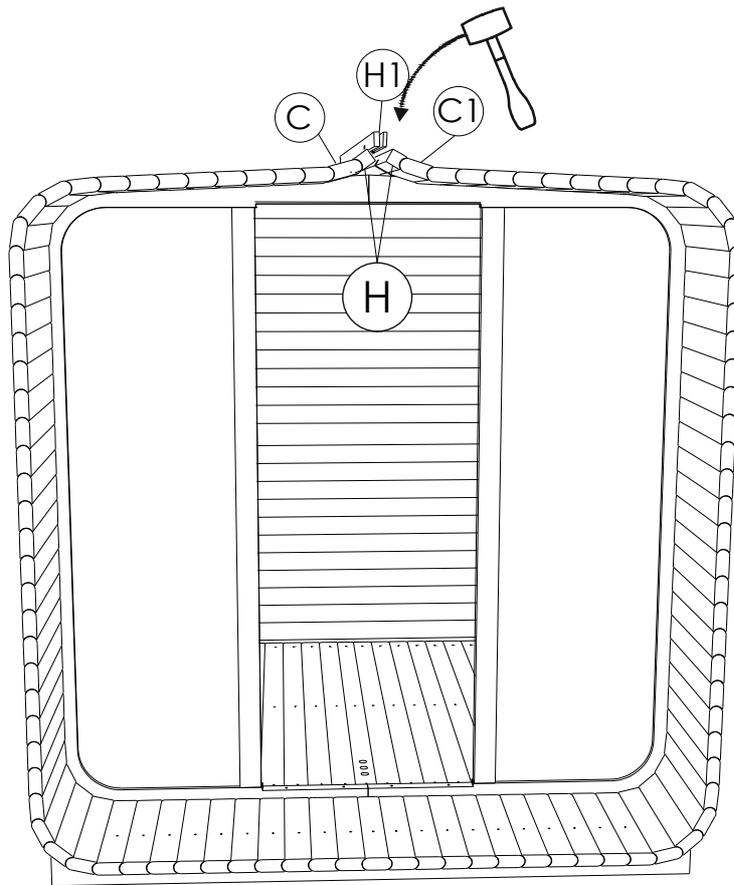


STEP 12: Fix 24 staves (C; C1) on both sides with screws (S10). Use rubber hammer for tighter placement. Use spray foam between every stave. Keep fixing staves till reach top of the roof.

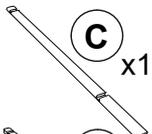
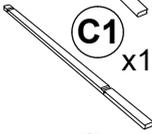


WARNING !
Do not over tighten the screws and avoid screwing them too deep to prevent window damage!

STEP 13: Finish roof with (C; C1) staves and final staves (H). If needed, use thinner staves (H1) to fill the gap between (H) staves and apply spray foam between staves. Make sure that centre of the roof is tightly filled, then fix with screws (S10).



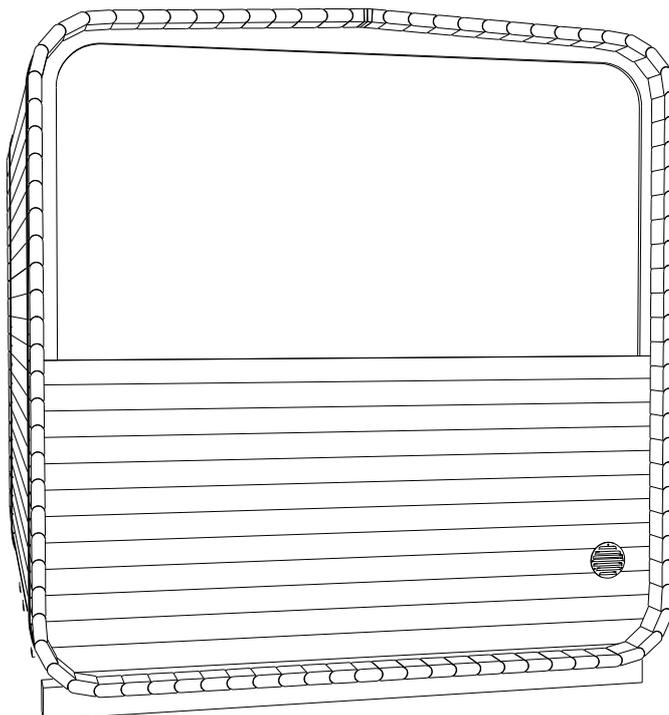
- (S10) x8

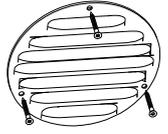
- (C) x1

- (C1) x1

- (H1) x4

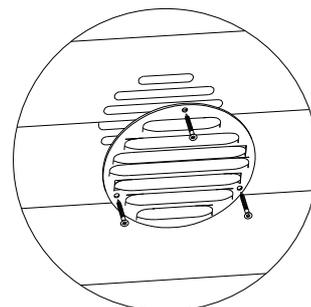
- (H) x2

- (P7) x1

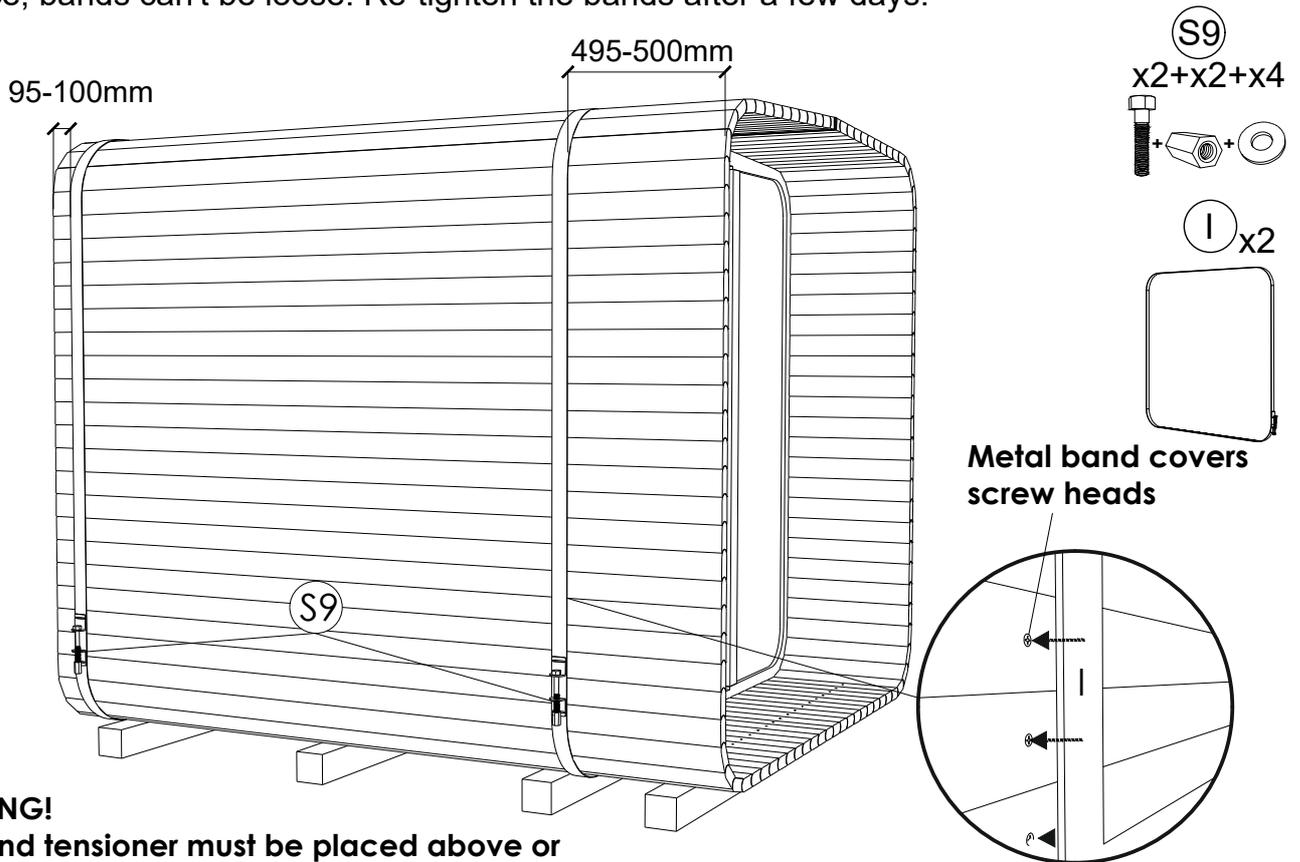

STEP 14 Install ventilation grill from outside over the ventilation cuts.



- (Y1) x1


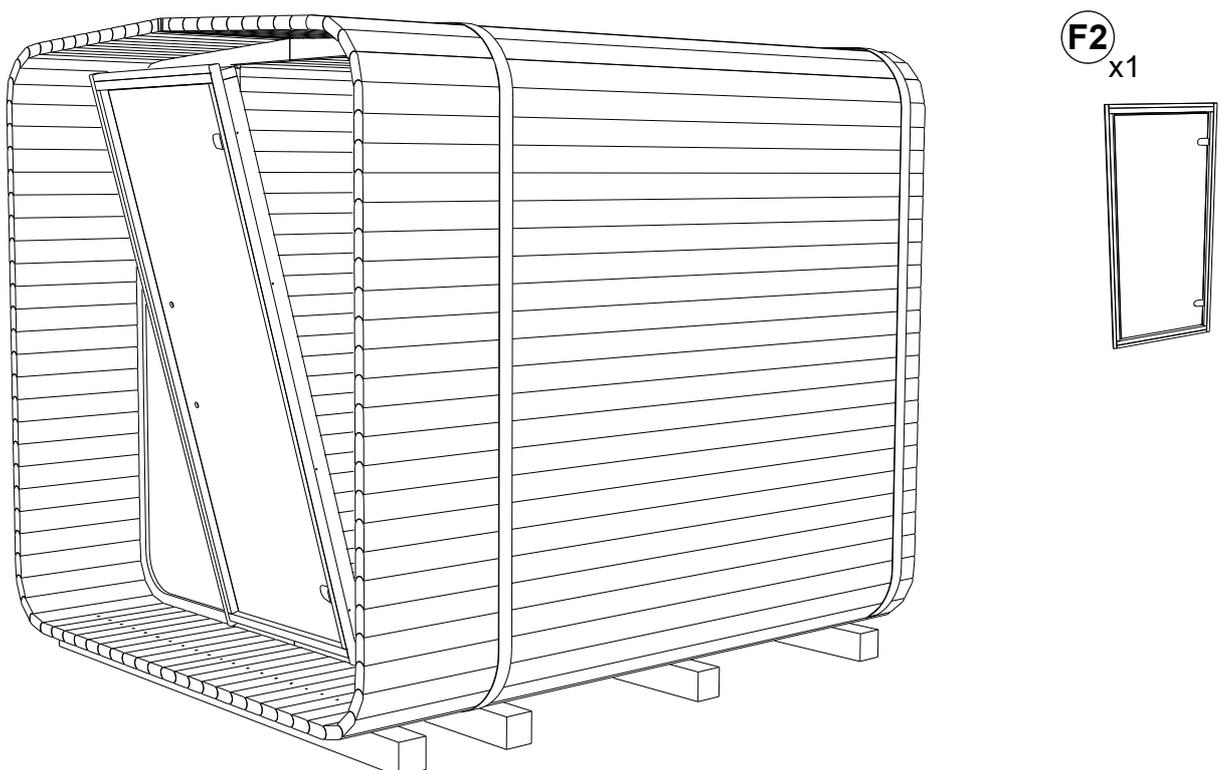


STEP 15: Install metal bands over the screw heads. **Screws (S9) must be placed as shown in picture**, then tighten the screws. Check the bands align evenly all around the sauna 95-100mm from the back and 495-500mm from front. Keep tightening bands till you feel strong resistance, bands can't be loose. Re-tighten the bands after a few days.



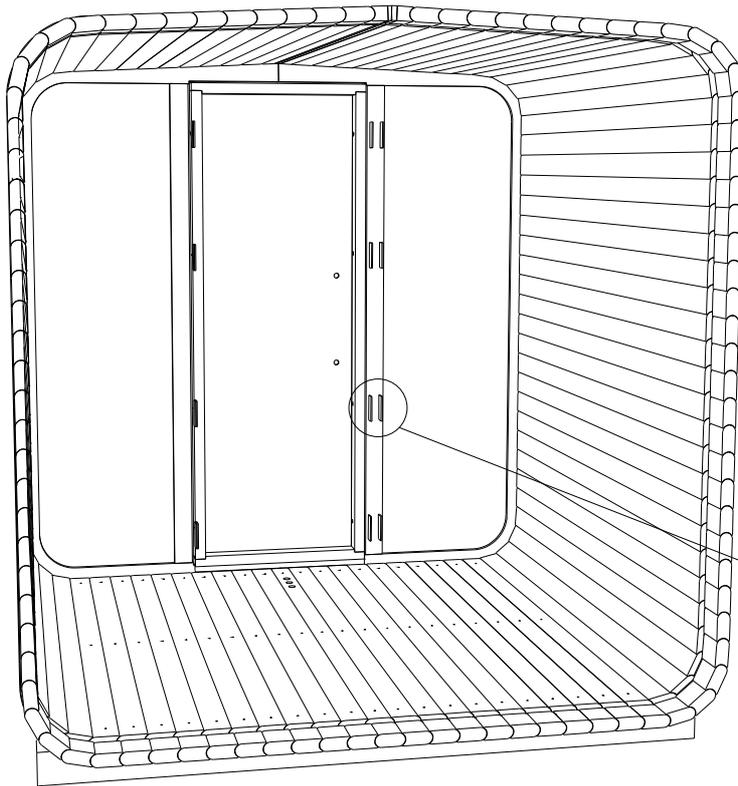
WARNING!
The band tensioner must be placed above or under the corner. Band must be really tight.

STEP 16: Install the doors (F2). Put the doors on threshold and lay in frame about in the middle. Fix doors with clamps or another person should hold the door.

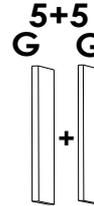


STEP 17: Put plastic spacers in the gap between the door box and the front panel where the screws go. Combine spacers for best width. Spacer must fit tightly.

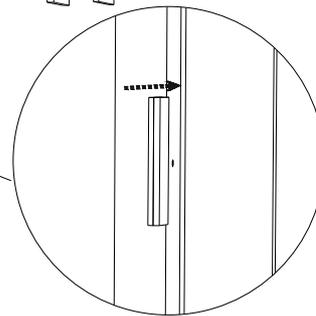
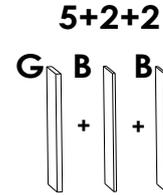
| | | |
|-------|------|-----|
| x12 | x10 | x10 |
| 5mm | 2mm | 1mm |
| green | blue | red |



example



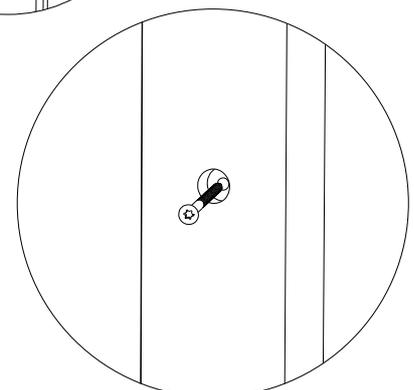
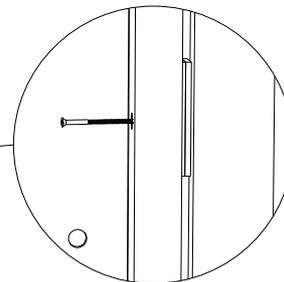
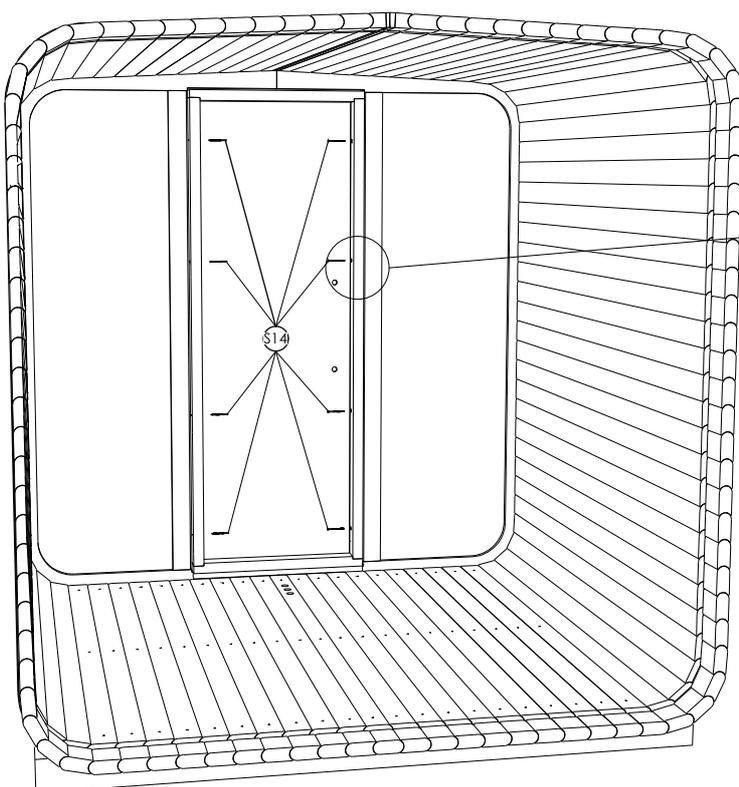
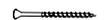
example



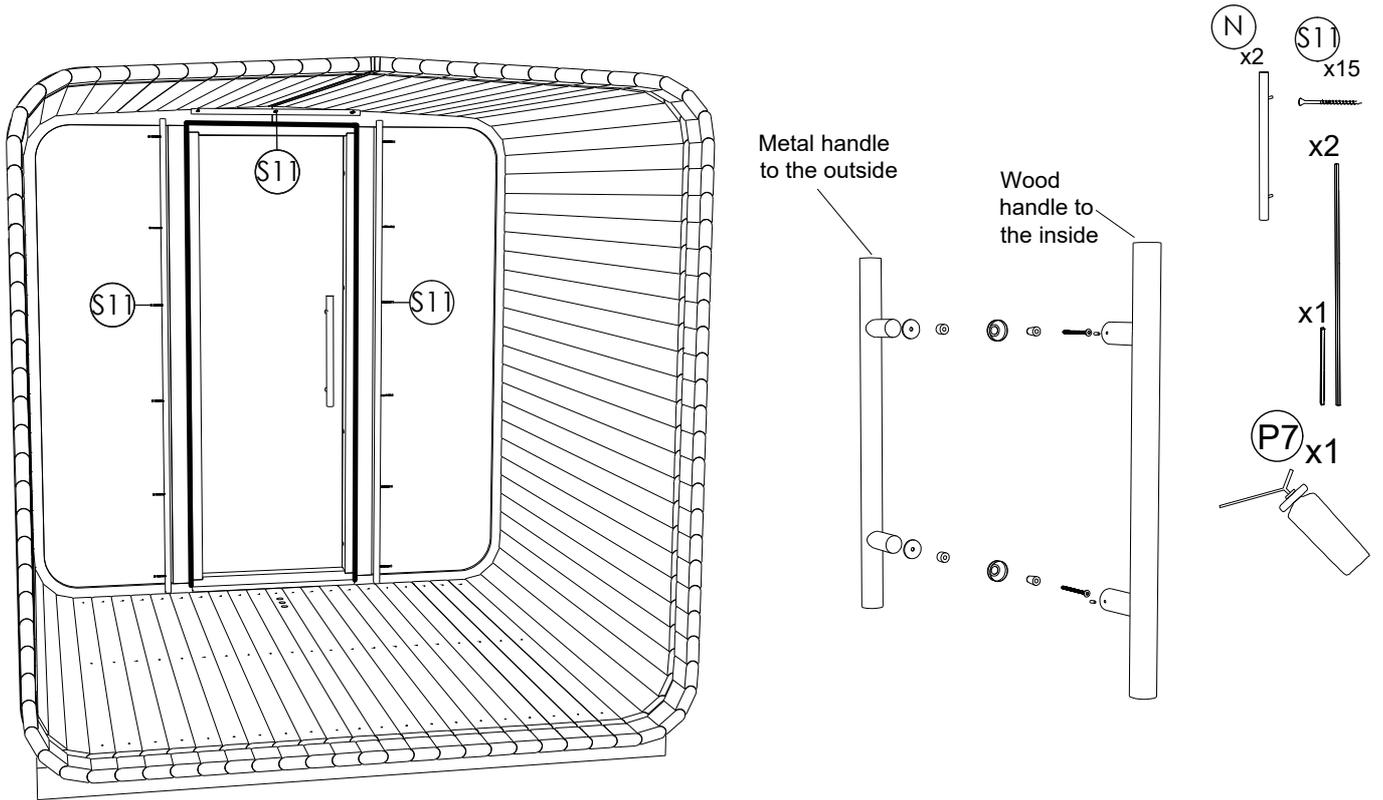
STEP 18: Fix one side of the door box with screws (S14) slightly to the outside through spacers. Then put spacers in other side. Combine spacers for necessary width. Spacers must fit tightly, they can't slip down before door is fixed with screws. Use screws (S14) to fix doors. Check door box, both sides should be straight, they must not be bent inwards or outwards.

S14
x8

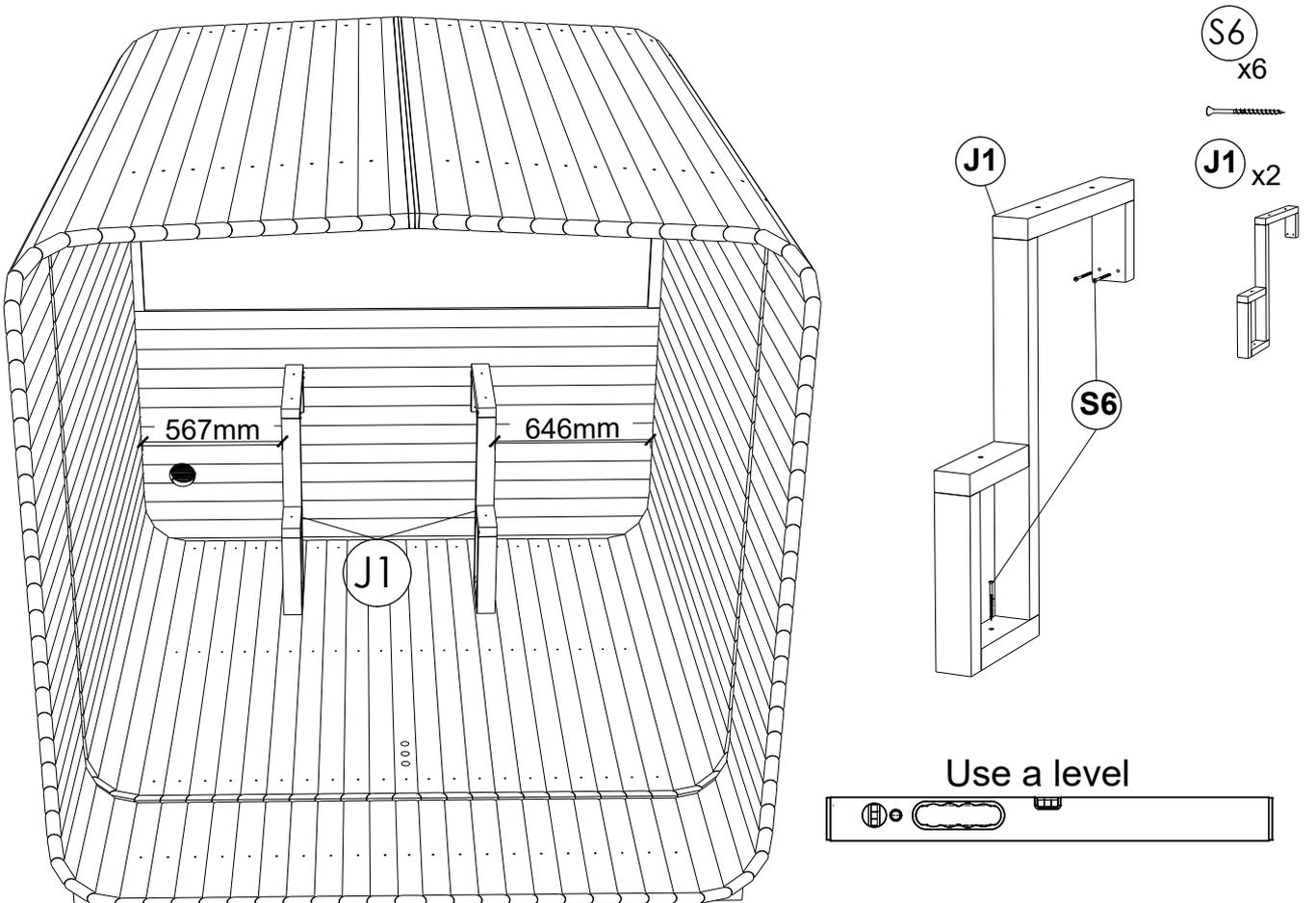
Use a level



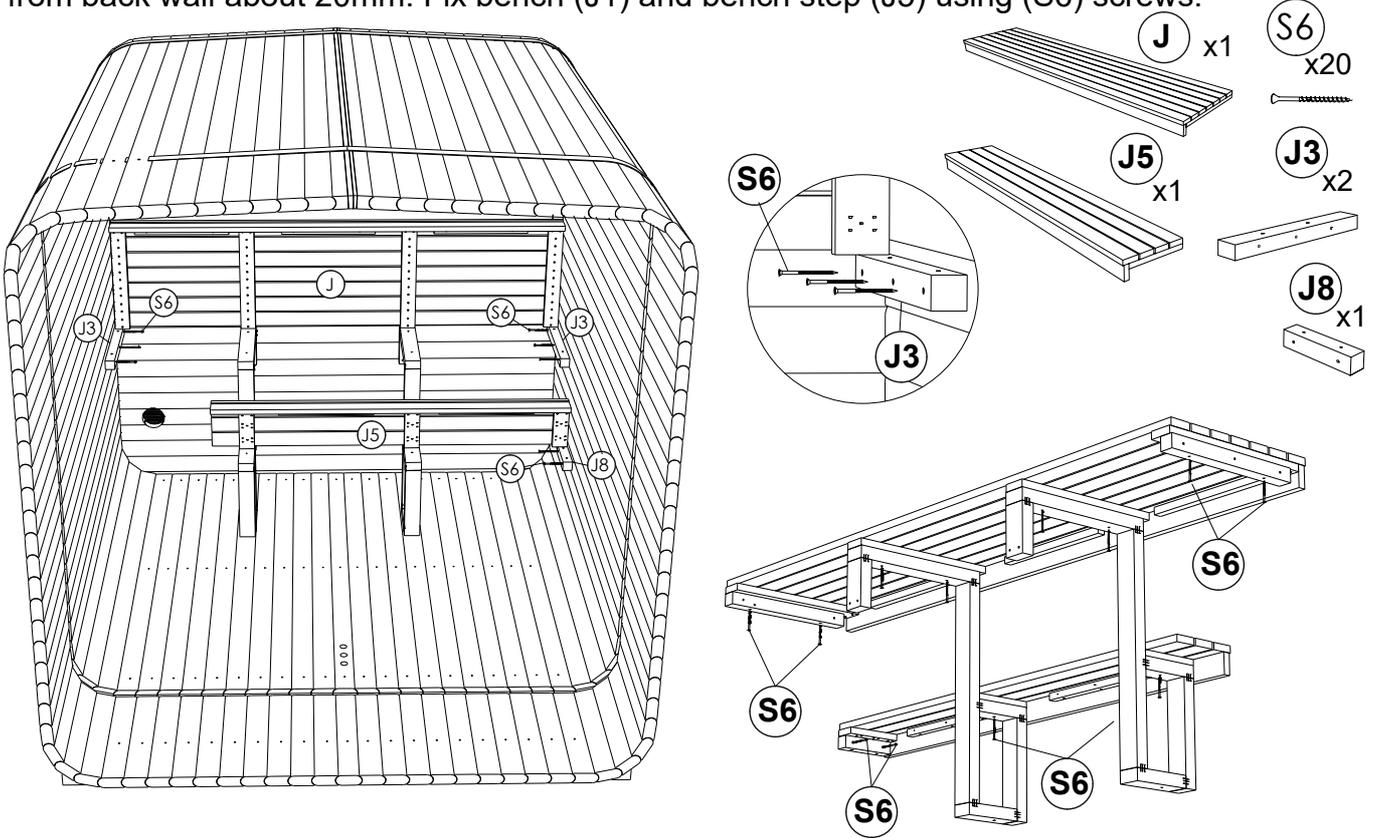
STEP 19: Use spray foam around door box. Let the spray foam dry. The excess amount will come off easily if you don't touch it while it's wet. Fix door moldings to both sides and on top of the door with (S11) screws.



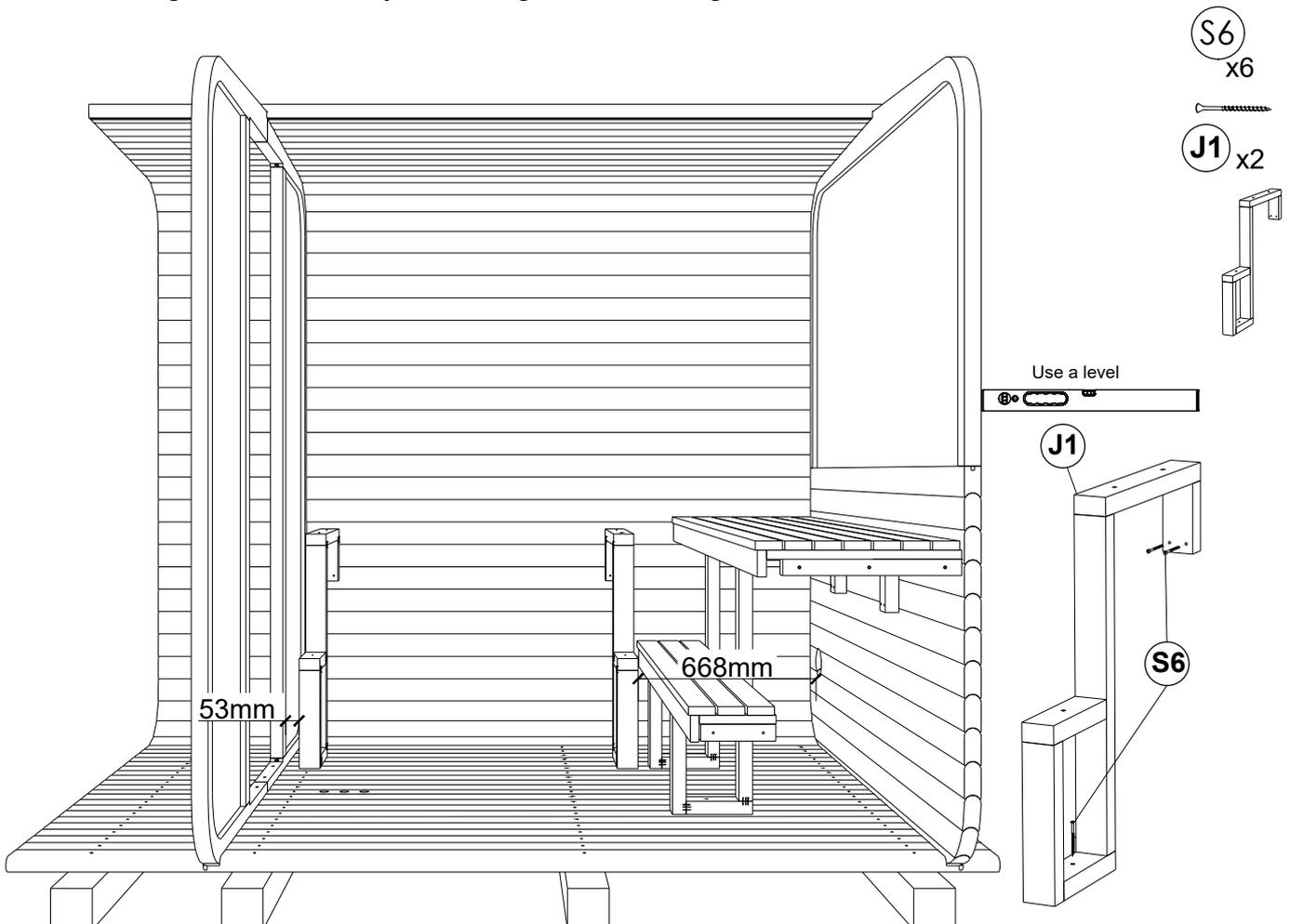
STEP 20: Install bench legs (J1) with (S6) screws. Take measurements as in the picture. Check the legs to ensure they are straight from all angles.



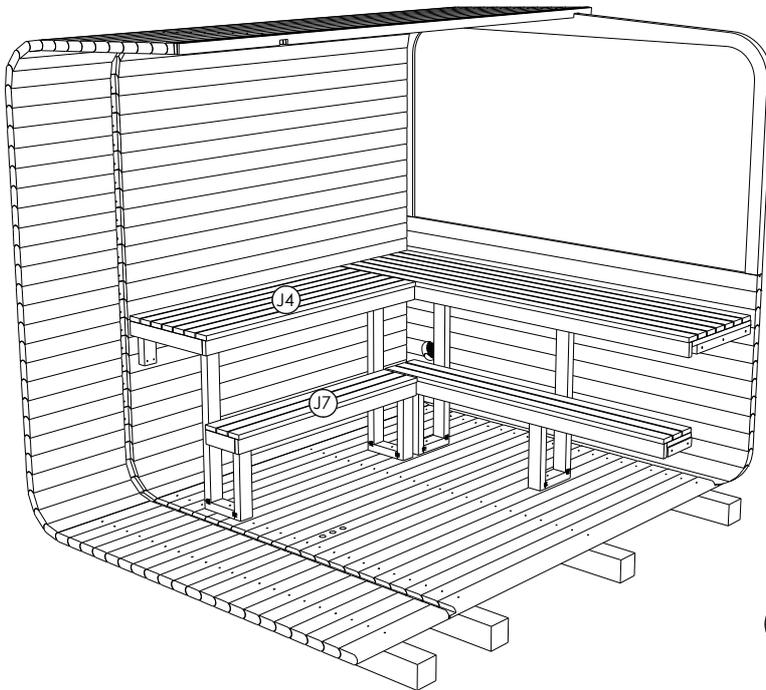
STEP 21: Place long sauna bench upwards on the bench legs. Then install bench support boards (J3) on the side walls using S6 screws, at the same level as the bench legs. Leave gap from back wall about 20mm. Fix bench (J1) and bench step (J5) using (S6) screws.



STEP 22: Install bench legs (J6) with (S6) screws. Take measurements as in the picture. Check the legs to ensure they are straight from all angles.



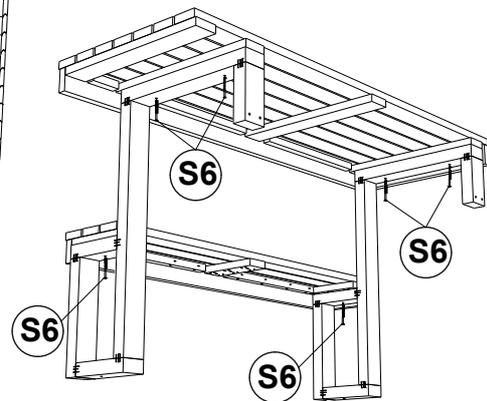
STEP 23: Fix sauna bench (J4) on top of the legs (J6) using (S6). Bench cross boards have to match the tops of the bench legs. Fix Bench step (J7) using (S6) screws.



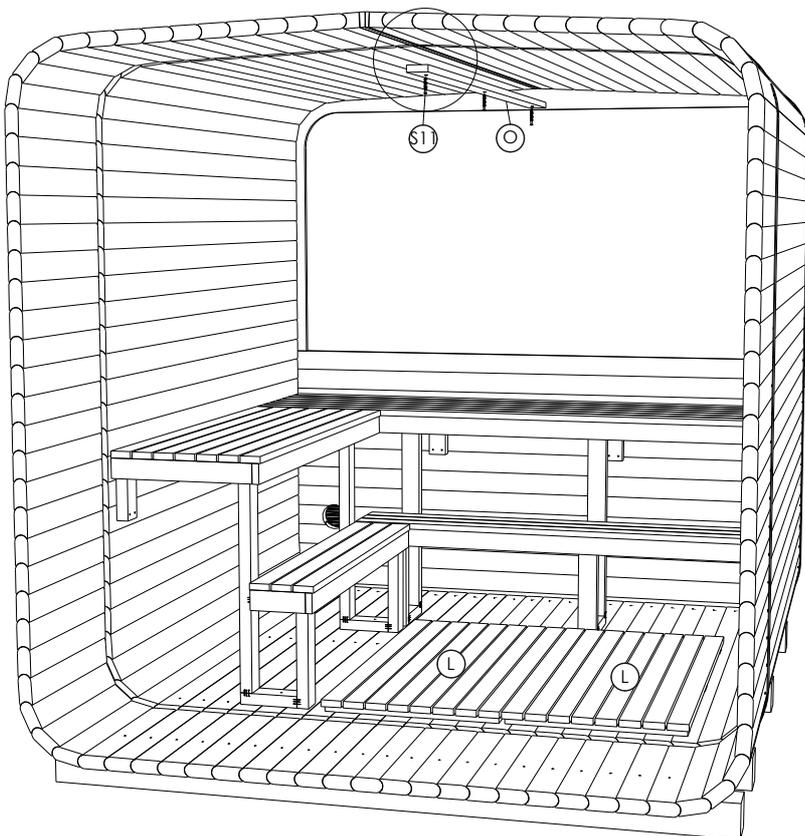
(S6) x6

(J4) x1

(J7) x1



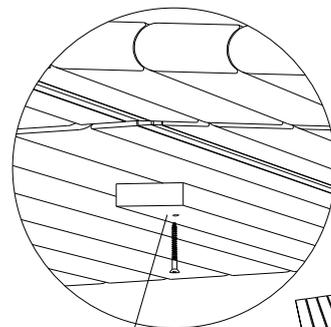
STEP 24: Install the ceiling board (O) in the middle of the ceiling, pre-drill holes for screws (S5). Lay in sauna floor (L).



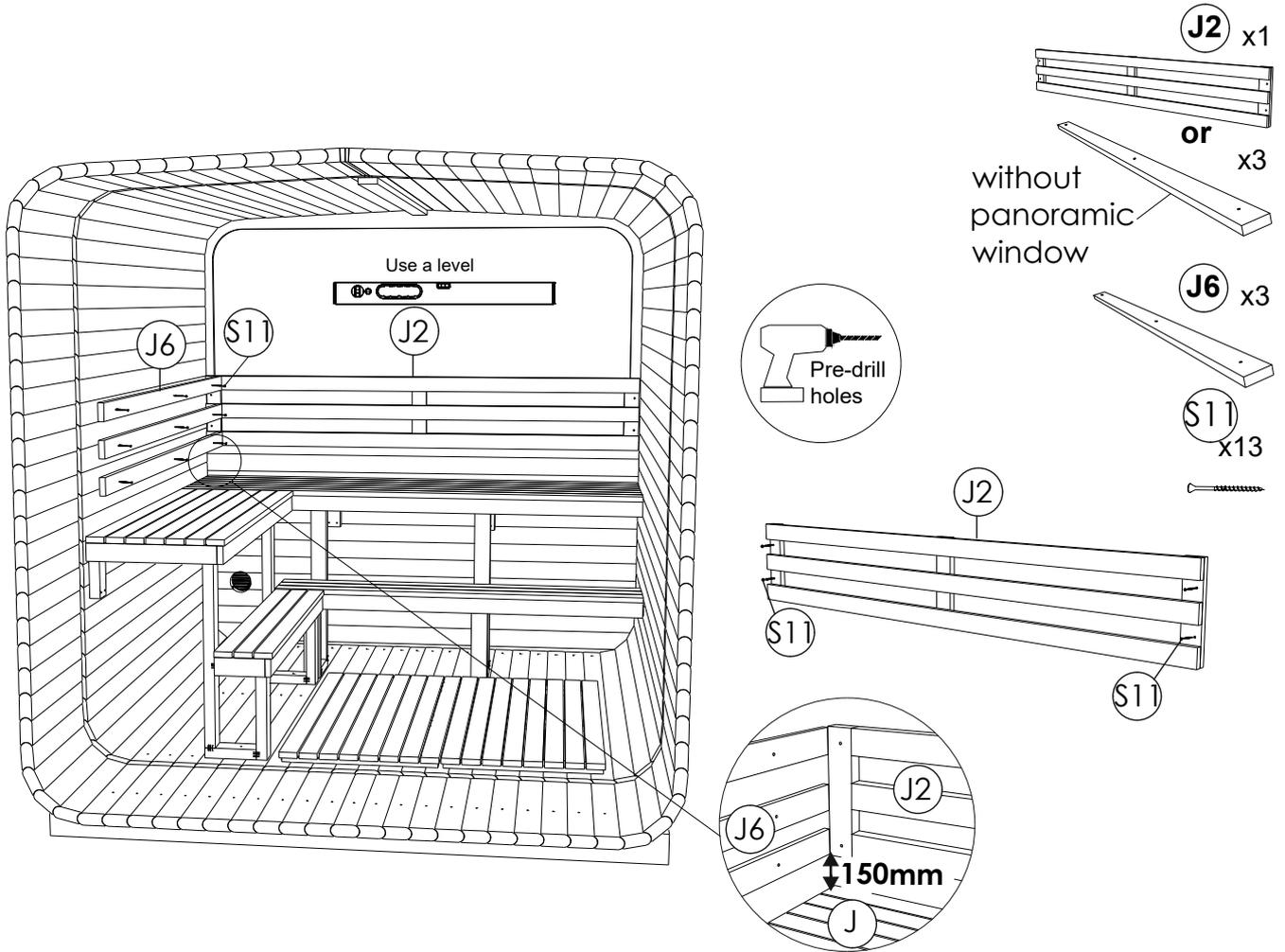
(S11) x3

(O) x1

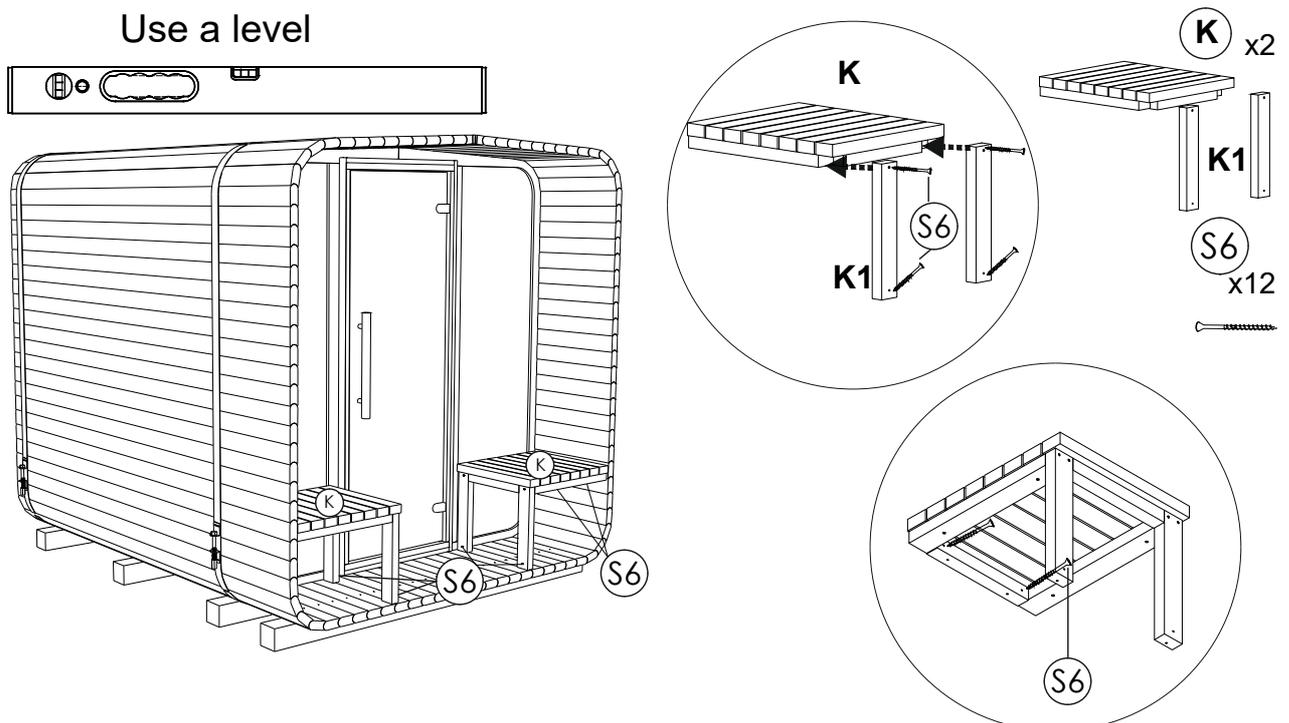
(L) x2



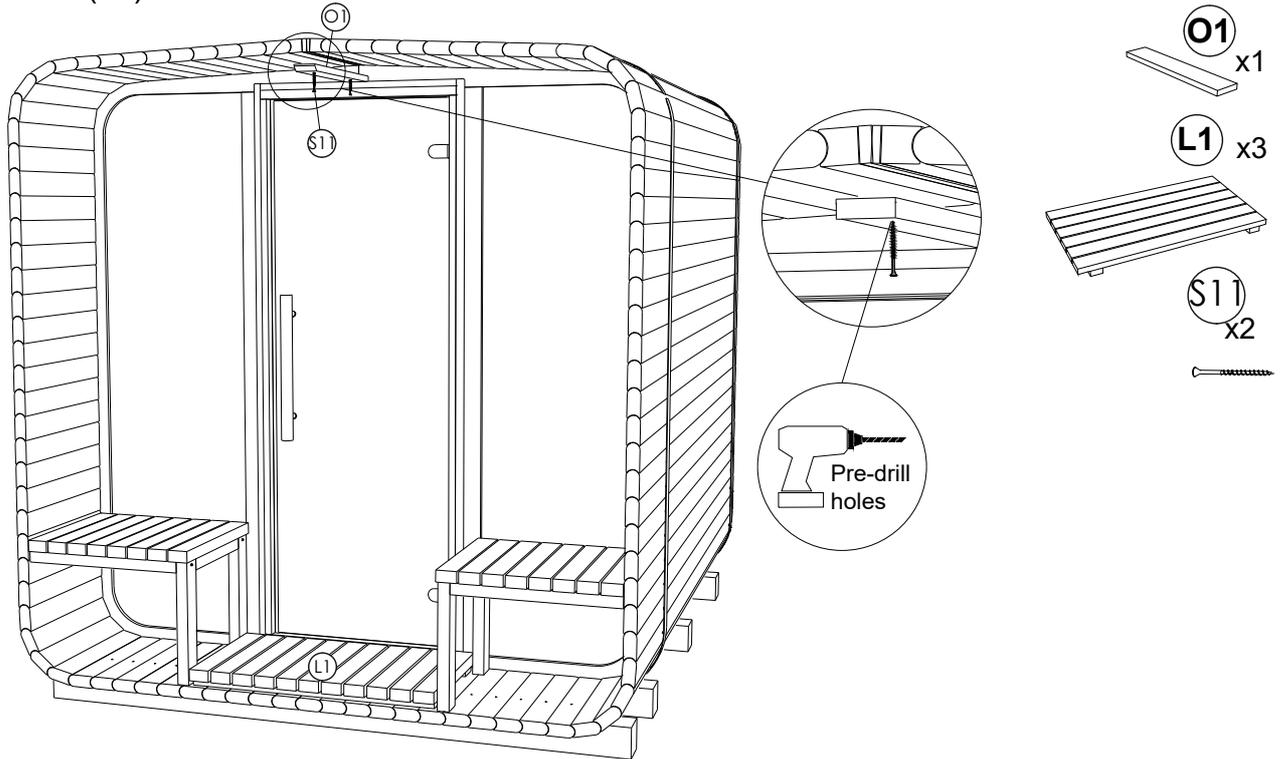
STEP 25: Fix the backrest (J2) in front of the panoramic window 150mm up from the sauna bench. Then install backrest staves (J6) at the same height as (J2). Pre-drill holes for screws.



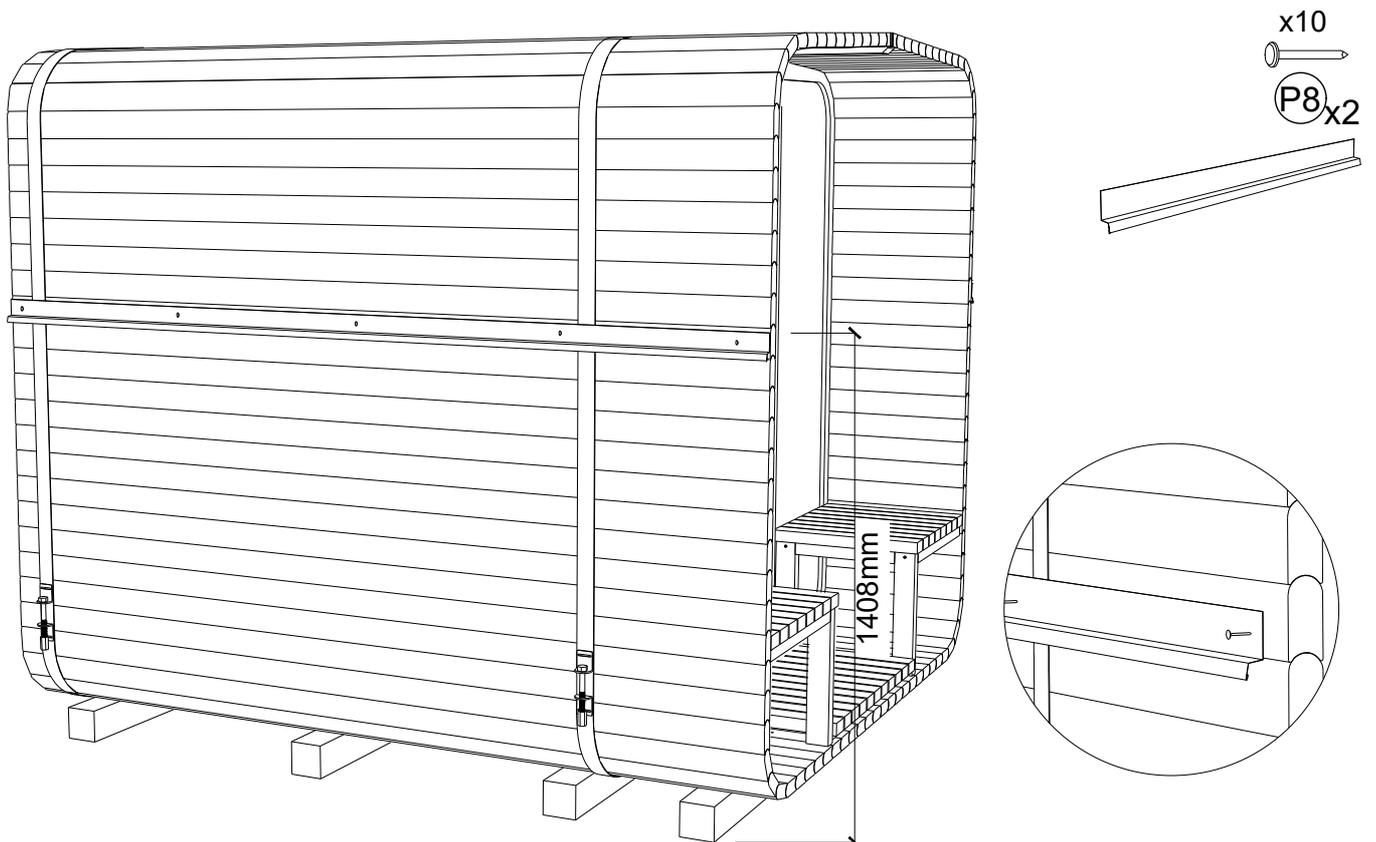
STEP 26: Fix two legs (K1) for benches. Install porch benches (K), using screws (S6).



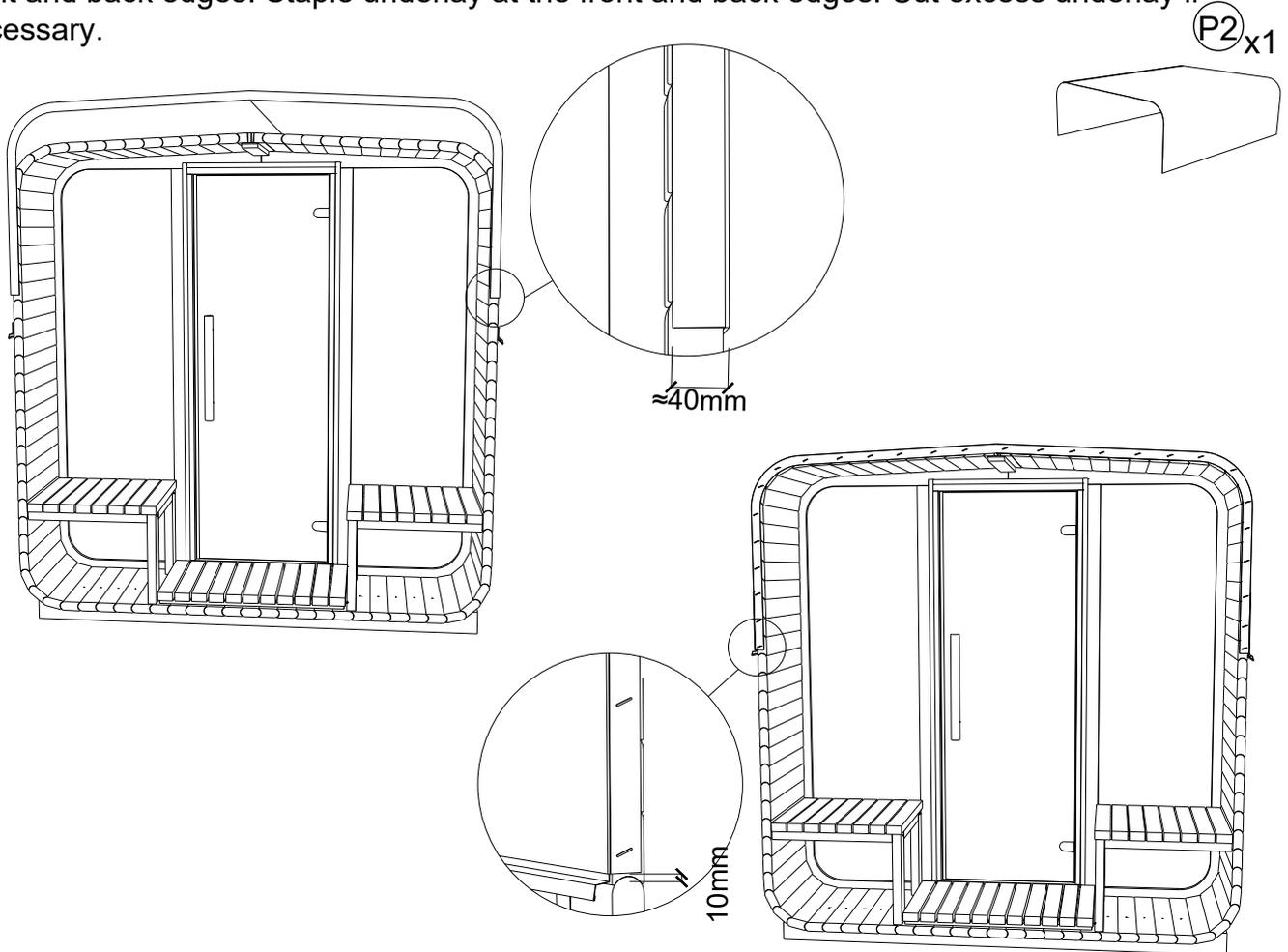
STEP 27: Install the ceiling board (O1) in the middle of the ceiling with screws (S11). Lay outside floor (L1) in front of the sauna door.



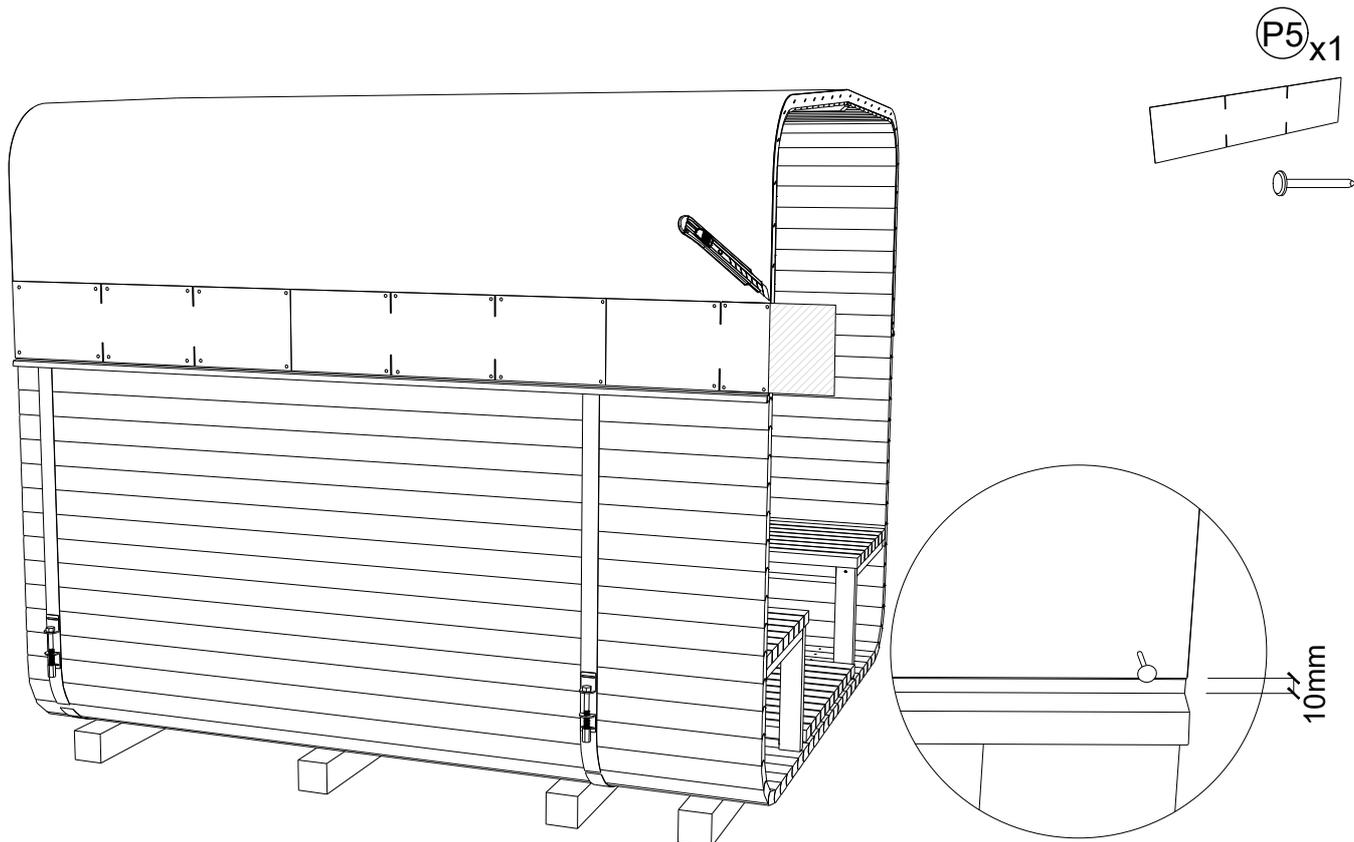
STEP 28: Place the rain droplet upper edge 1408mm from ground. Make sure it's leveled. Fix it with shingle nails.



STEP 29: Lay out underlay on the roof evenly to both sides. Leave about 40mm over the front and back edges. Staple underlay at the front and back edges. Cut excess underlay if necessary.

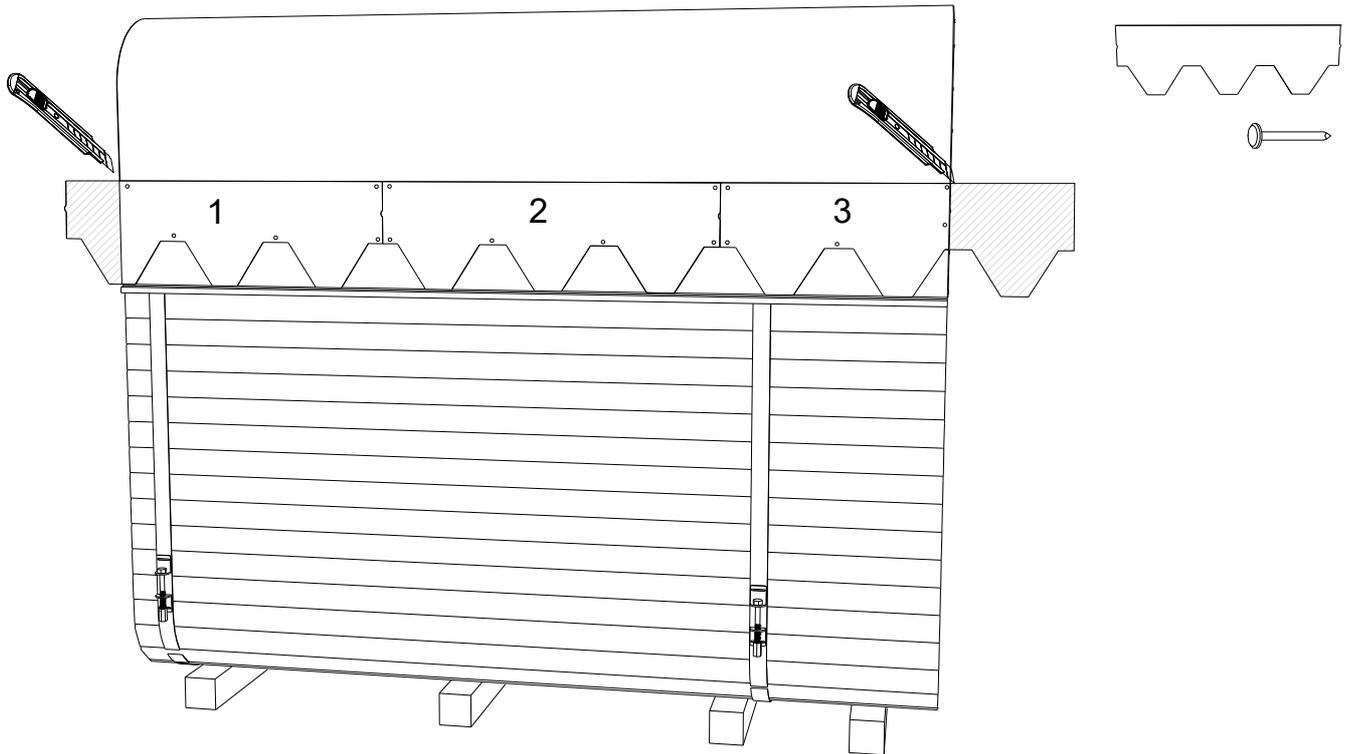


STEP 30: Remove protective film from the bottom of the sheet. Place starting shingles next to each other. Then fix with nails as in picture. Cut excess part of the starting shingle before nailing it. Do the same on the other side.



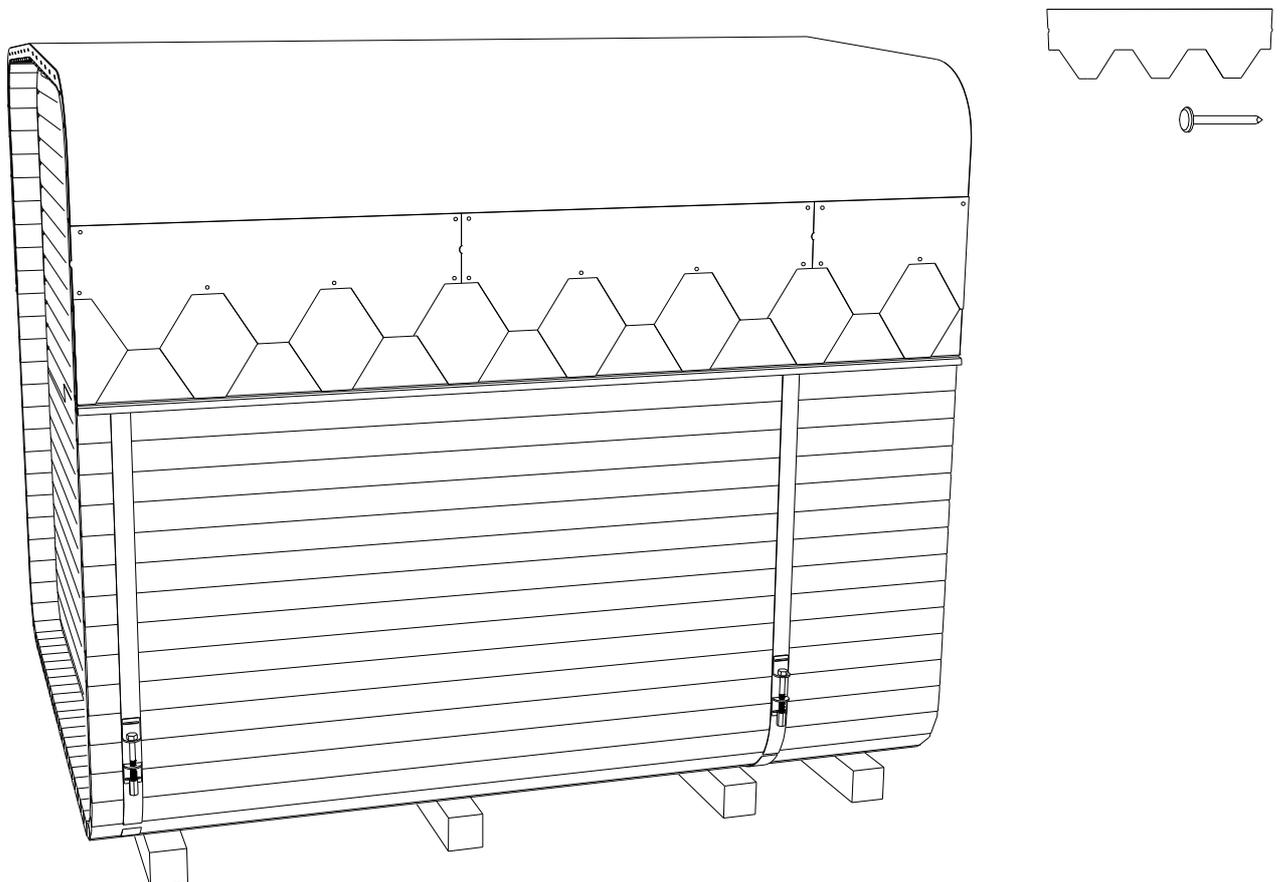
STEP 31: For 1st shingle cut off the half of hexagonal part. Remove protective film from the bottom of the sheet. Start placing shingles over starting shingles. Fix 2nd shingle next to first. 3rd shingle needs to be cut. Measure the necessary length and fix it with nails.

(P1)x4



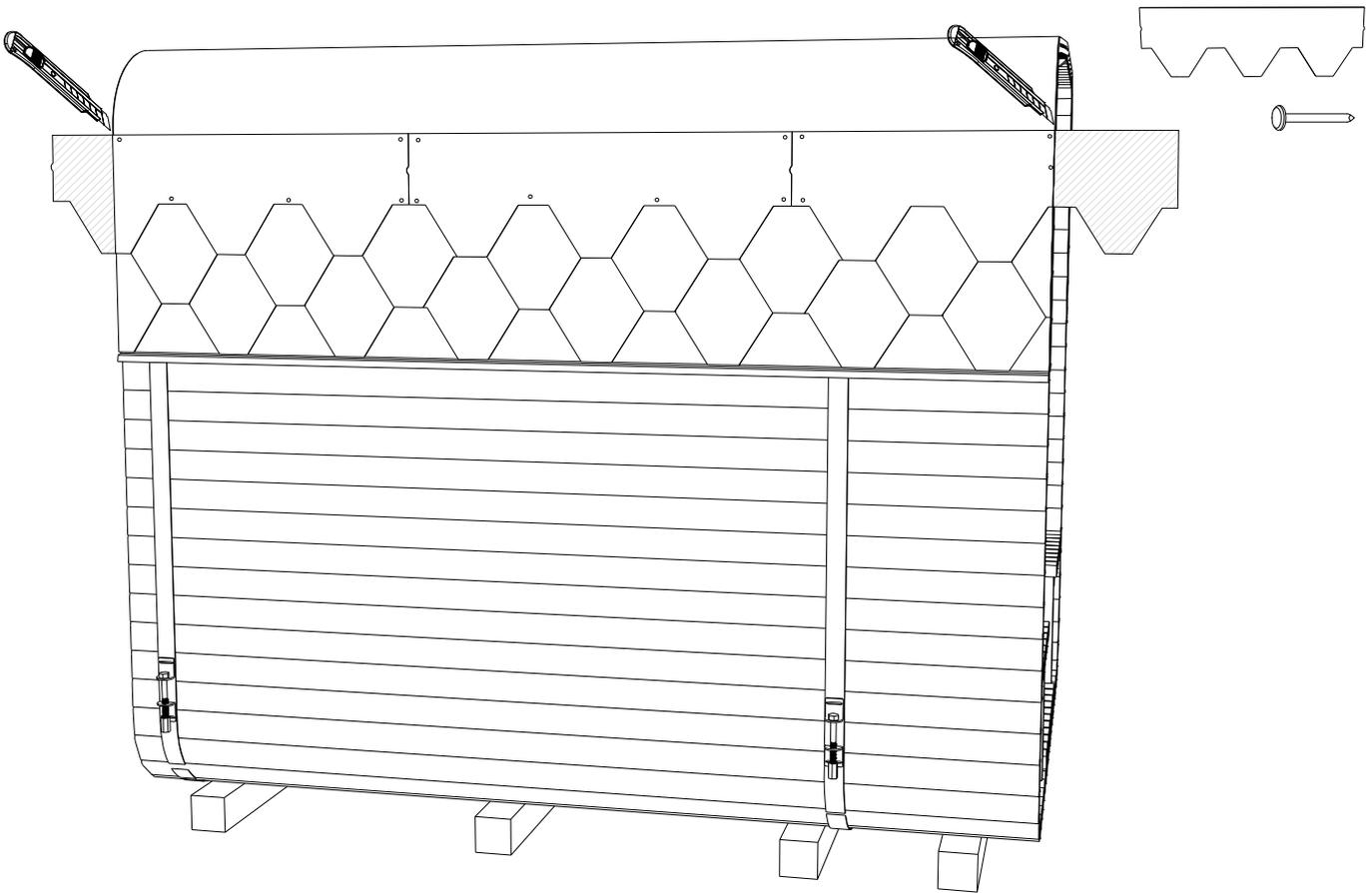
STEP 32: Remove the protective film from the bottom of the sheet. The second row starts with the whole shingle, fix it with shingle nails. Last shingle needs to be cut by measured length.

(P1)x4



STEP 33: Third row goes exactly like first row. Cut half of hexagonal part from shingle and fix it with shingle nails. Remove protective film from the bottom of the sheet.

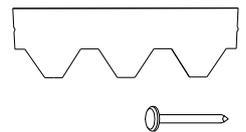
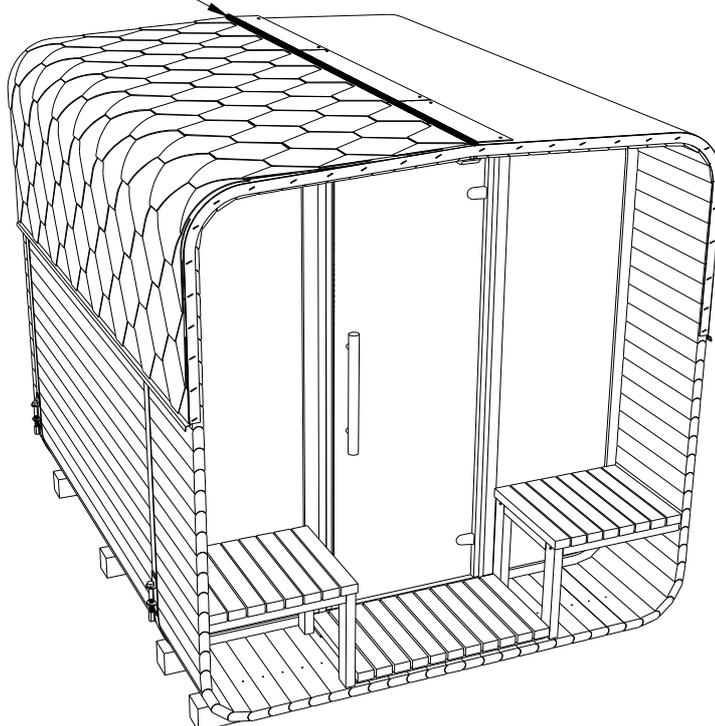
(P1)_{x4}



STEP 34: Keep placing shingles till last layer goes over the middle of the roof.

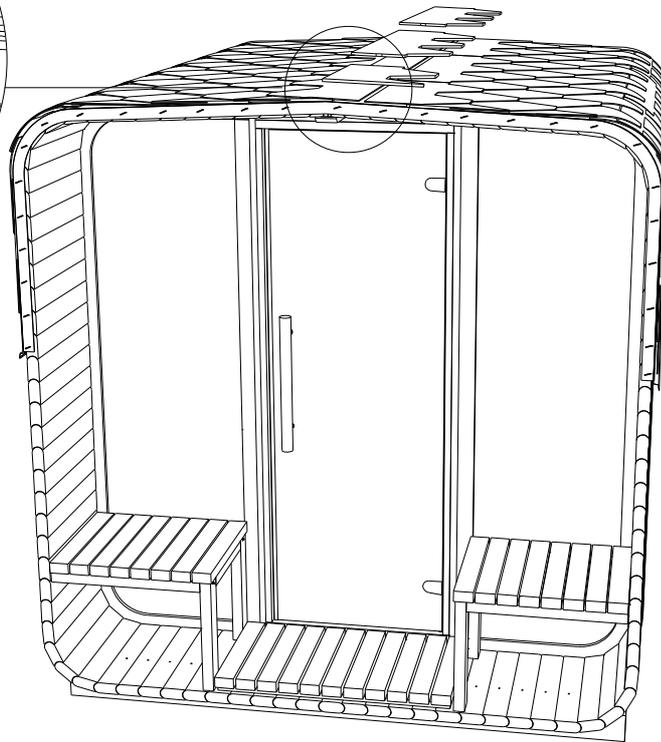
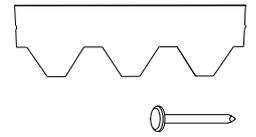
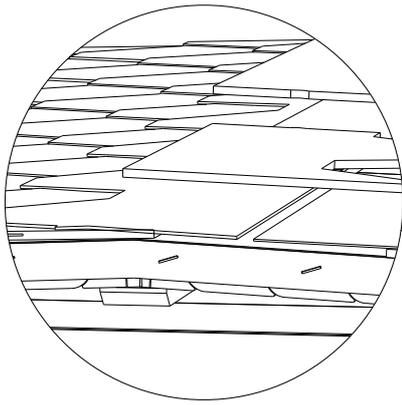
(P1)_{x4}

Roof center



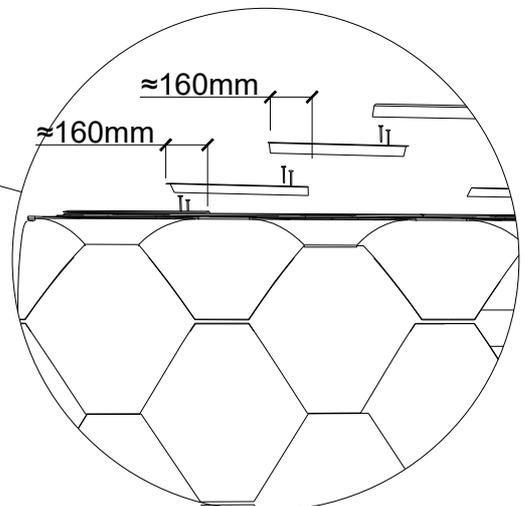
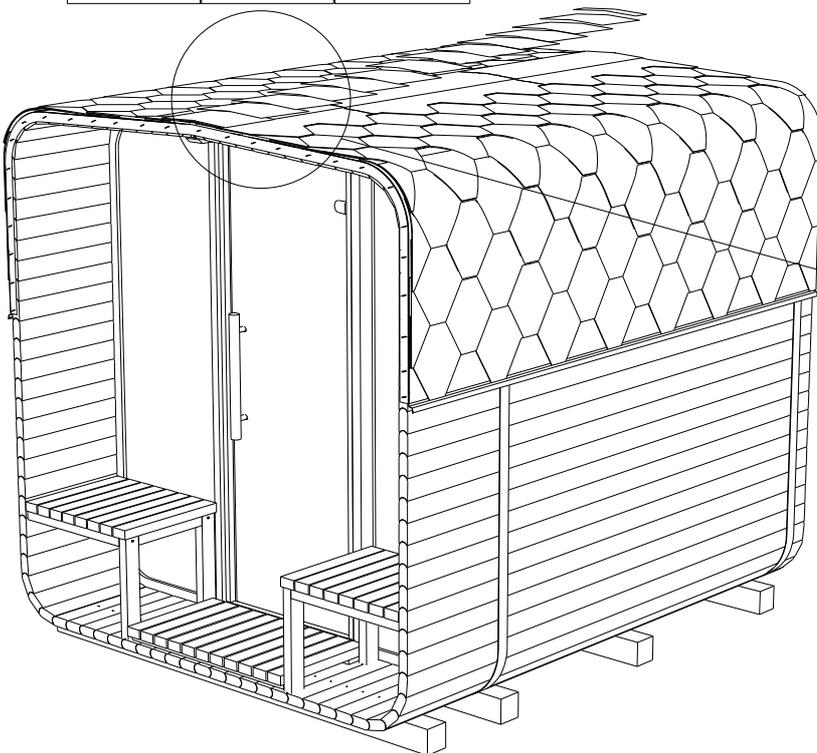
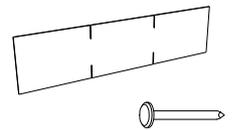
STEP 35: Repeat same steps for other side, till last layer goes over middle of the roof. Use heat source for better adhesion. Lift every rectangle, heat a bit and press it to the roof.

(P1)x4

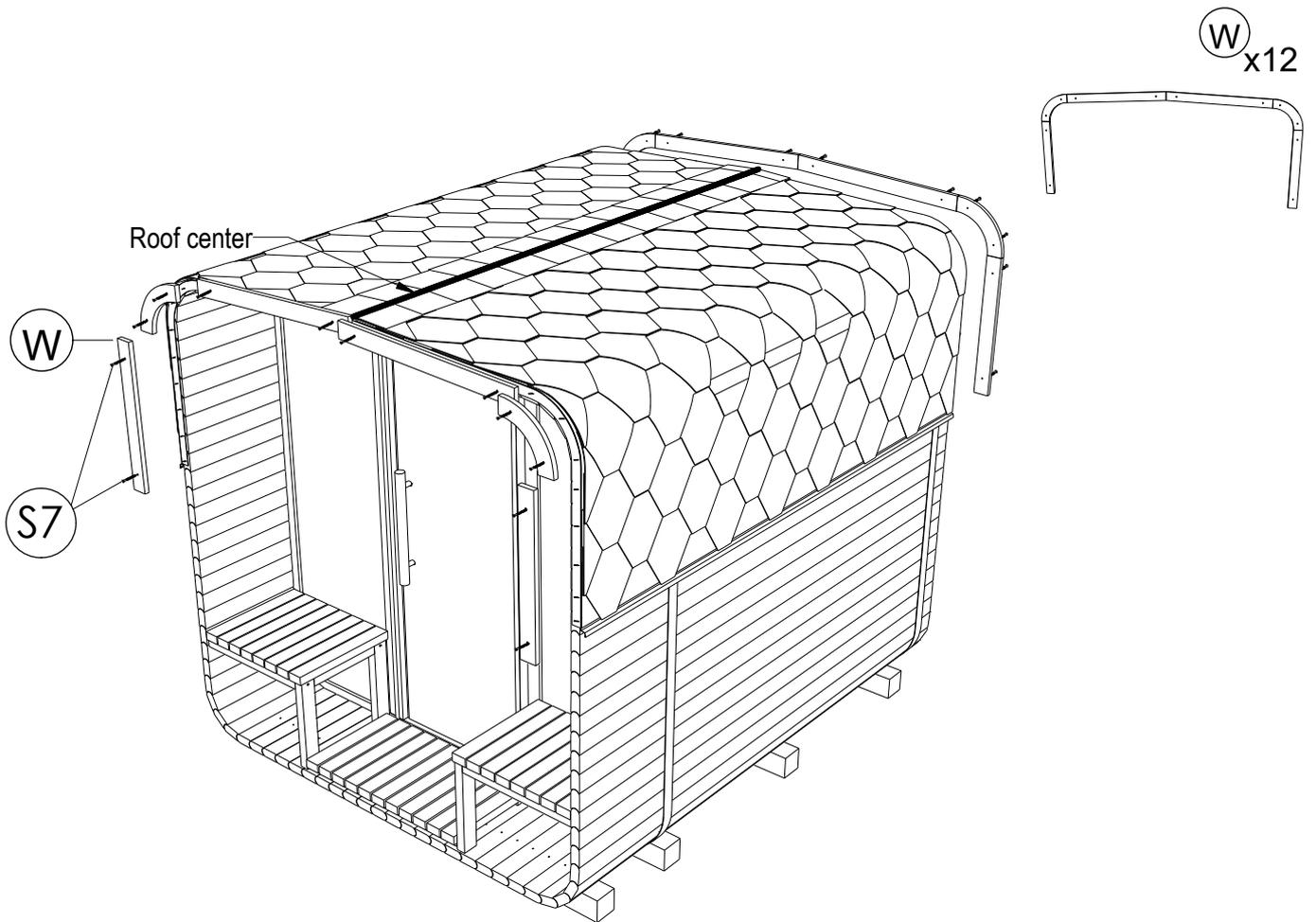


STEP 36: For top of the roof use starting shingles. Cut some shingles in squares, there are marked lines. Take off protective film. Nail each shingle with two nails. Next shingle goes about 160mm over previous. After it's done, use heat source for better adhesion.

(P5)x1



STEP 37: Install front and back decorative roof finishing boards using (S7). Start by fixing two top boards, then rest of it goes next to each other.



STEP 38: Use bitumen sealant behind decorative boards to fill gap between shingles and boards at the front and back side.

