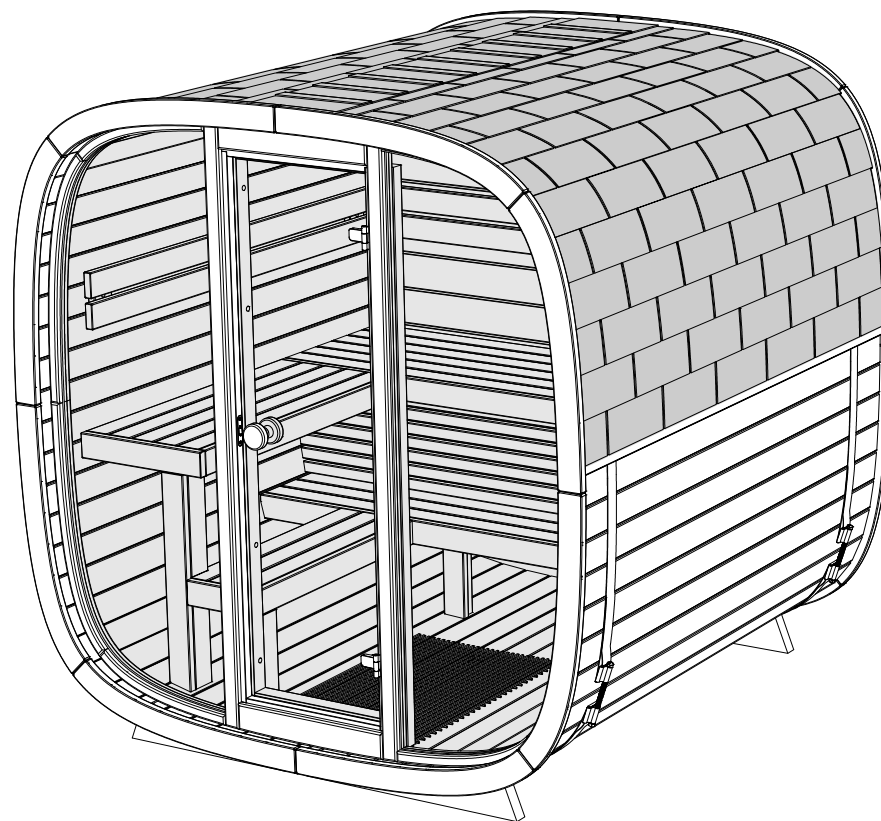
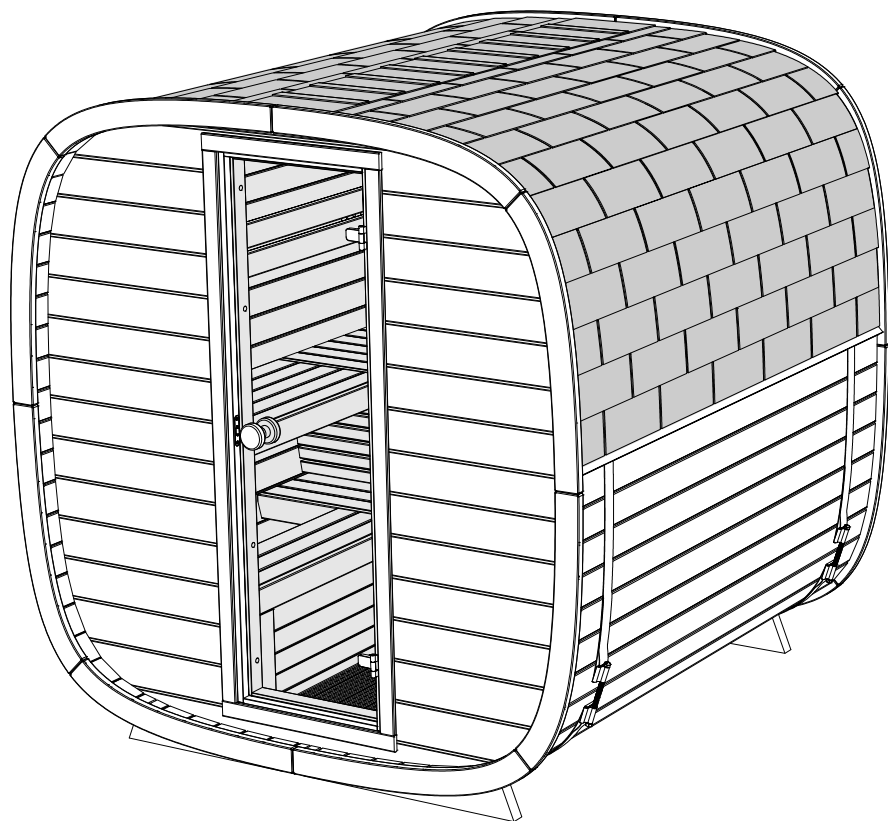


# BLACK CUBE

## Exterior construction guide

### BLACK CUBE

*Compatible with both glass wall and wooden wall construction options, including panoramic construction.*



*Read the manual and check the parts for completeness before assembly!*



## USER MANUAL OF THE SAUNA

1. It is recommended to install the sauna above ground level to prevent the legs of the sauna from coming into direct contact with the ground. Install a water-resistant material, such as bitumen strips, between the legs of the sauna and the base.
2. Make sure that the surface on which you install the sauna is levelled and stable both before and after installing the sauna. Otherwise, the doors of the sauna may not open and close properly.
3. If the top part of the chimney has not been installed upon delivery of the sauna, it should be placed into the chimney pipe from the roof of the sauna.
4. During the first heating of the sauna, it must be constantly supervised and the doors should be kept open, as the stove emits a specific smell when first heated. Read more from the user manual of the sauna stove.
5. The maximum permitted temperature of the steam room is **+90 °C**. If heated to a higher temperature, the sauna may be overheated.
6. After each use of the sauna, it is recommended to keep the stove warm, the doors open, and the footrests up for a while to allow the sauna to dry from the inside. If necessary, the water on the floor should be directed to the drain with a floor scraper to avoid damage caused by excess humidity.
7. **When the weather is humid and if the wood has expanded, the metal hoops around the sauna should be loosened to avoid breaking the clamps and jamming the doors.** The hoops can be adjusted from the nut of clamp M12 located on the side of the sauna. To alleviate excess tension on the clamp and the hoop itself, loosen nut M12 (wrench no. 19) until the hoop can be shifted left and right. Then, re-tighten the nut until the hoop is under slight pressure and pressed fully against the wood so that it cannot be pulled away from the walls of the sauna. **When the weather is less humid and the wood has dried, the metal hoops around the sauna should be tightened from nut M12.** Tighten the nut so the hoop is under slight pressure. The hoop must be pressed fully against the wood so that it cannot be pulled away from the walls of the sauna. Saunasell OÜ is not liable for damage caused to the sauna due to a broken hoop clamp.
8. If the door is shifted out of place when the hoops are tightened, lift the exterior door off the hinges and regulate the hinges. If this is not a sufficient solution, remove the trims of the door and unscrew the screws of the doorframe beneath them. This will relieve the pressure on the door. If necessary, the opening of the door may be made wider, after which the screws should be re-tightened and the trims and door reinstalled.
9. The interior door should be regulated from the stopper and, if necessary, the hinges. If this is not a sufficient solution, remove the trims of the door and unscrew the screws of the doorframe beneath them. This will relieve the pressure on the door.
10. Locking the sauna door from the inside is prohibited.
11. In order to avoid damage caused by the weight of snow, any snow should be removed from the roof of the sauna. Keep in mind that the roof covering should not be damaged during snow removal.
12. If your sauna has lighting, install a 3G 2,5 mm<sup>2</sup> outdoor power cable and connect it in juniper box provided with the sauna (L1 – brown , N – blue , GR – green-yellow). The power cable of the sauna must be connected to a residual-current circuit breaker! Consult an electrician if necessary.

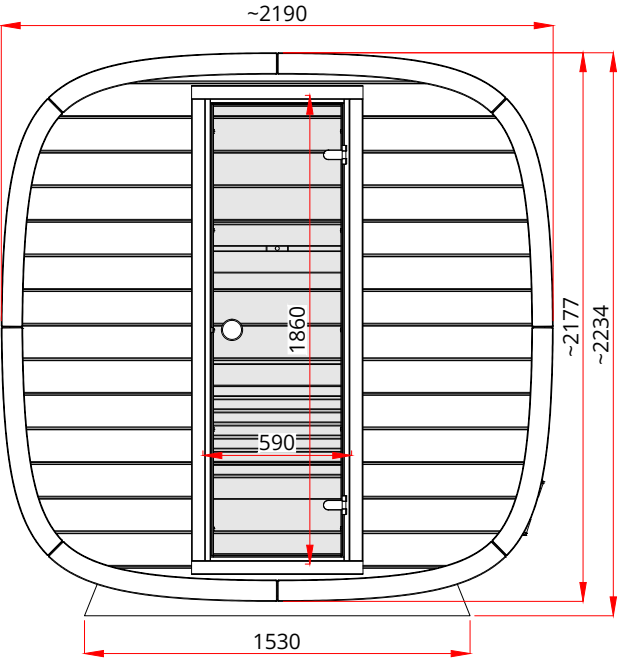
## Maintenance of the sauna

1. **The interior surfaces of the sauna, the window frames of the steam and washing room, and the frames of interior doors must be treated with a special substance before initial use to protect them from humidity and dirt and extend the useful life of the sauna.** Later, this should be done once or twice a year. TEKNOS Satu Saunasuoja or Tikkurila Supi Saunasuoja may be used for this.
2. **Before initial use of the sauna, the benches and footrests must be treated with a protective oil to extend their useful life.** Later, this should be done once or twice a year. TEKNOS Satu Laudesuoja or Tikkurila Supi Laudesuoja may be used for this.
3. **Before initial use of the sauna and once a year after that, the door, doorframe, threshold, and window frame of the anteroom as well as the floors of the washing room and anteroom should be treated with the lacquer Teknos Helo Aqua 40.**
4. **The exterior surfaces of the sauna are given the first protective coating during production. The second coating should be applied approximately two months after purchasing the sauna to extend its useful life and maintain its appearance.** Use Remmers Aidol HK-Lasur for this. The substance is available for purchase at Saunasell OÜ or from the website <https://trendwood.ee/tooted/viimistlus/remmers/>
5. Saunasell OÜ is not liable for damage caused to the sauna due to insufficient maintenance or no maintenance at all.

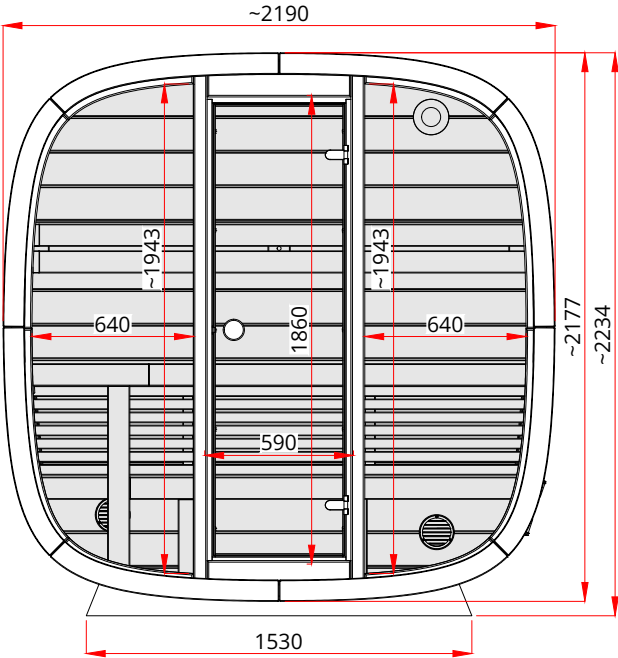
## WARRANTY

- The products have a 24-month warranty covering material and production defects, taking effect from the delivery of the sauna to the client.
- The warranty is valid if the user has reviewed the user manuals and abides by them.
- The warranty is void if the sauna has not been assembled by Saunasell OÜ.
- Please note! The warranty period differs for products on trailers and products intended for commercial use.
- The warranty does not cover defects characteristic of wood, such as discoloration, changes, issues, or cracks caused by alternating or excess humidity, etc.
- The warranty does not cover normal wear and tear of the product caused by its use and damage caused by incorrect installation or use is not compensated.
- The warranty does not cover damage caused by thunder or other weather phenomena.
- The warranty does not cover damage caused by incorrect installation by the client.
- The warranty expires when attempts are made to independently change or fix the product or if it is not used for its intended purpose.
- The warranty is void if the product is stored in an incorrect position or in the wrong conditions.
- The warranty is valid if the buyer informs the seller of the defect within a reasonable time (7 days).

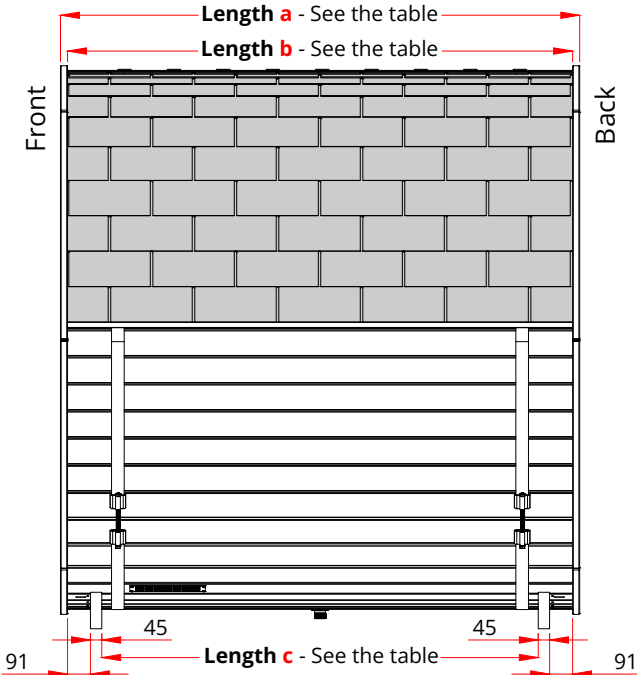




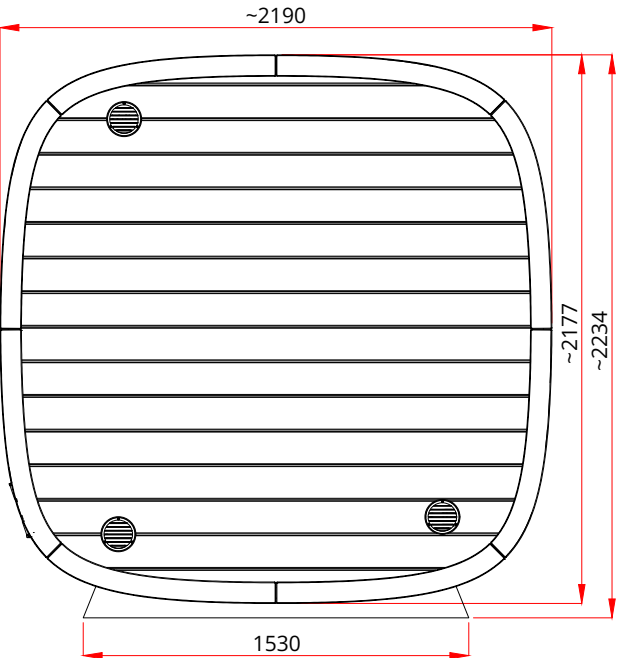
Front view (wooden wall)



Front view (glass wall)



Side view



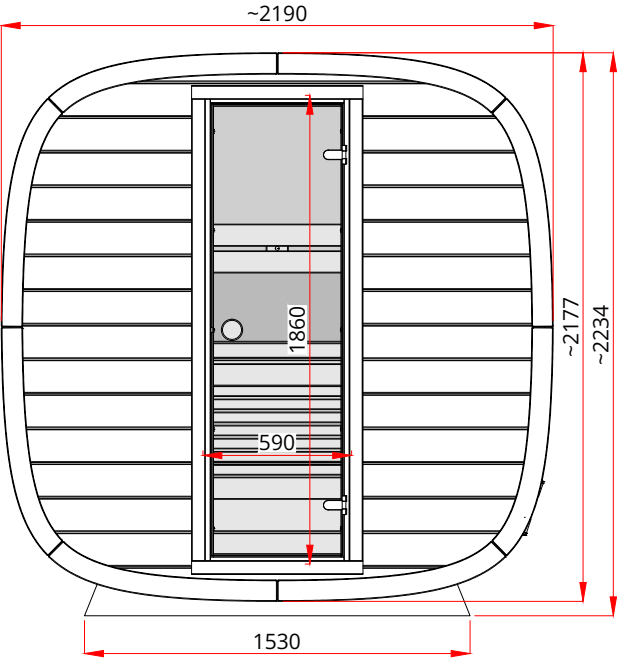
Back view

Black Cube	Length - a	Length - b	Length - c
2,0 m	~2060 mm	~2004 mm	~1732 mm
1,6 m	~1660 mm	~1604 mm	~1332 mm

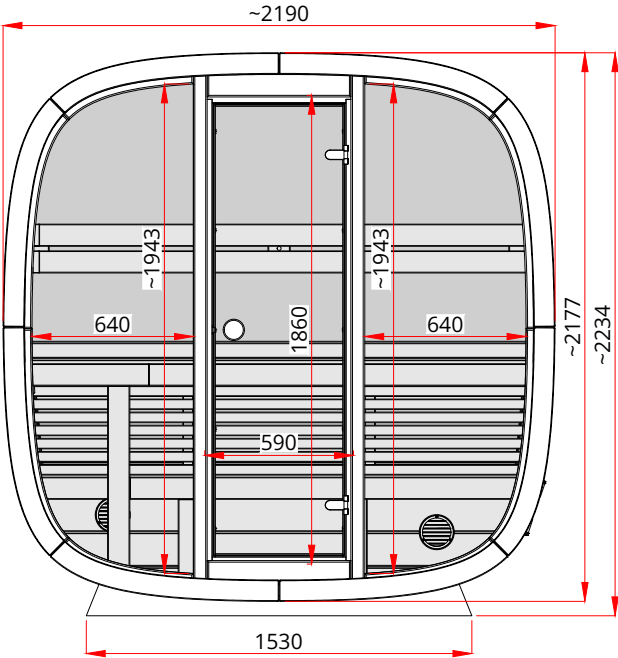
# Black Cube

2,0 m and 1,6 m

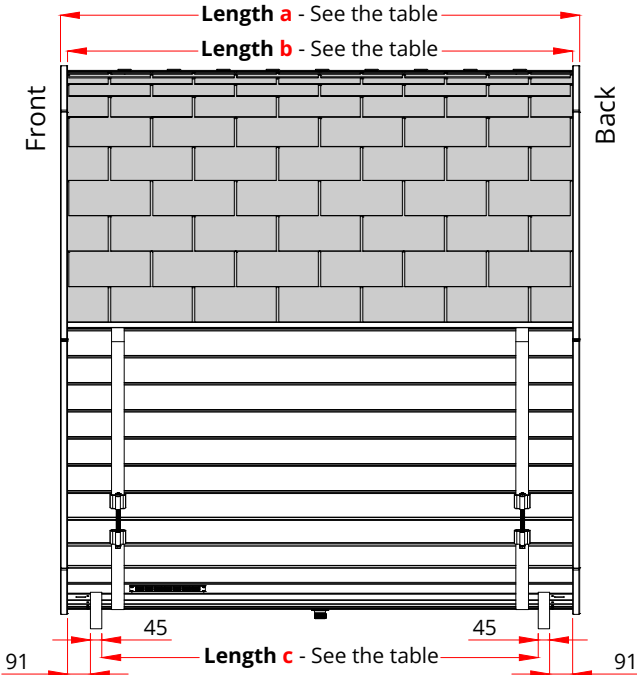
Scale 1 : 30



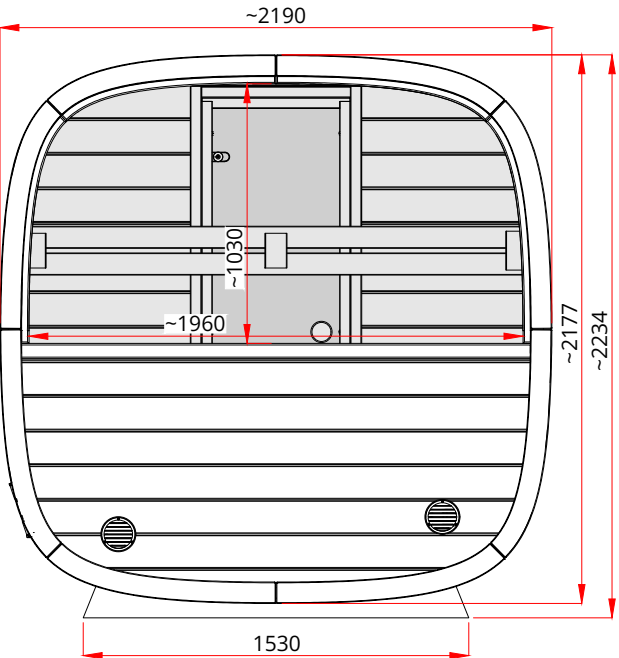
Front view (wooden wall)



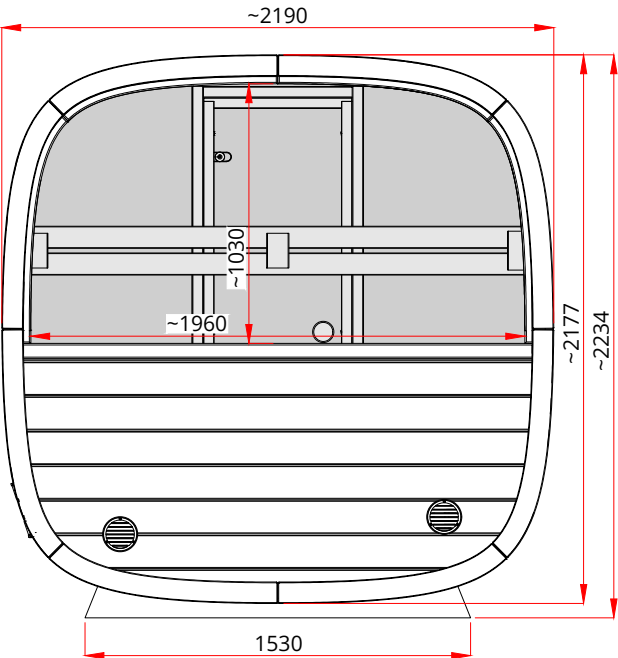
Front view (glass wall)



Side view



Back view



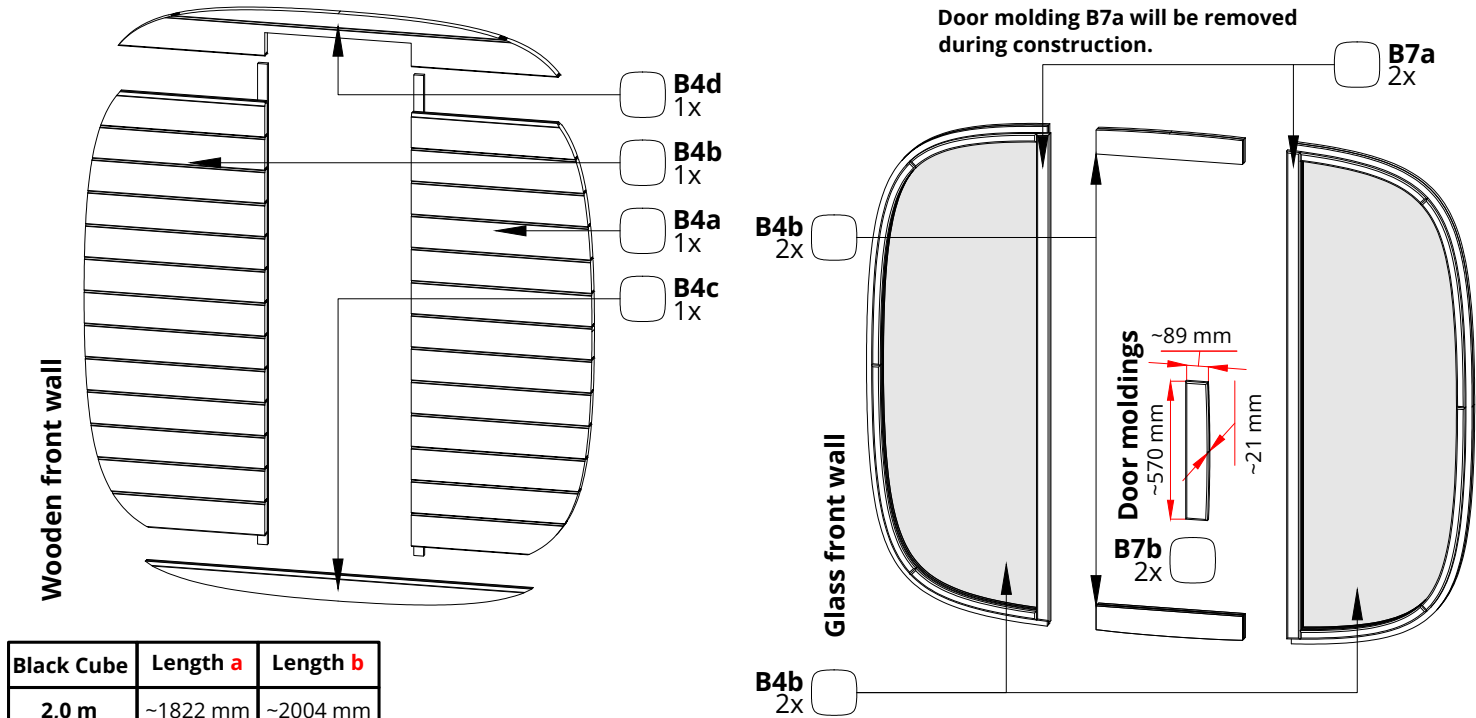
Back view

Black Cube	Length - a	Length - b	Length - c
2,0 m	~2060 mm	~2004 mm	~1732 mm
1,6 m	~1660 mm	~1604 mm	~1332 mm

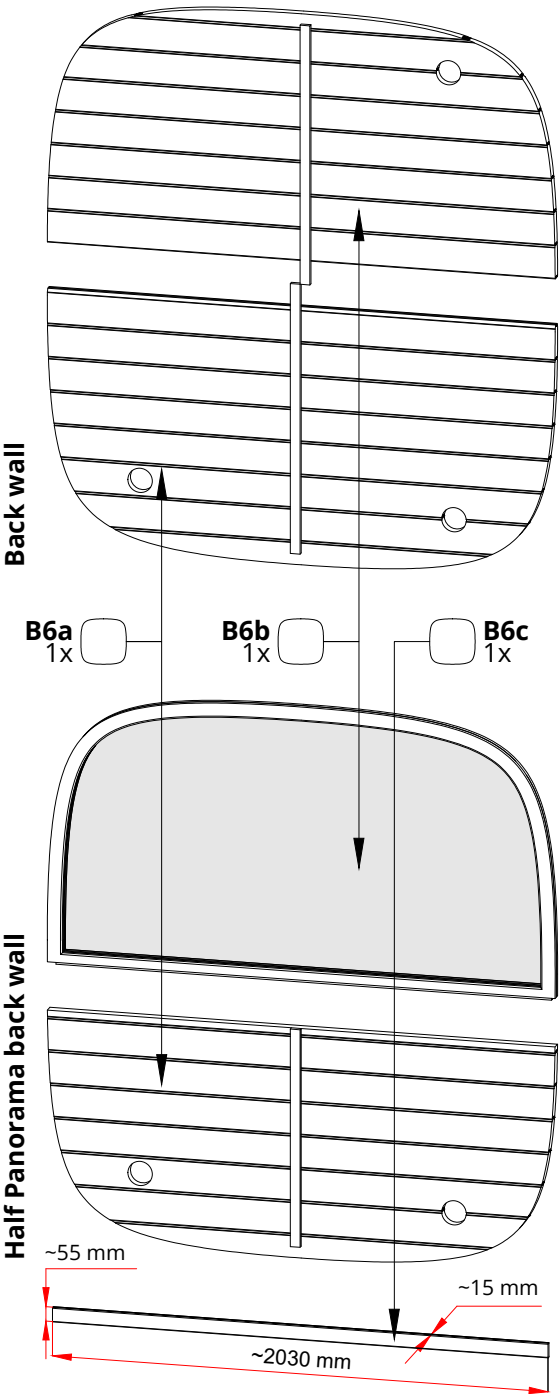
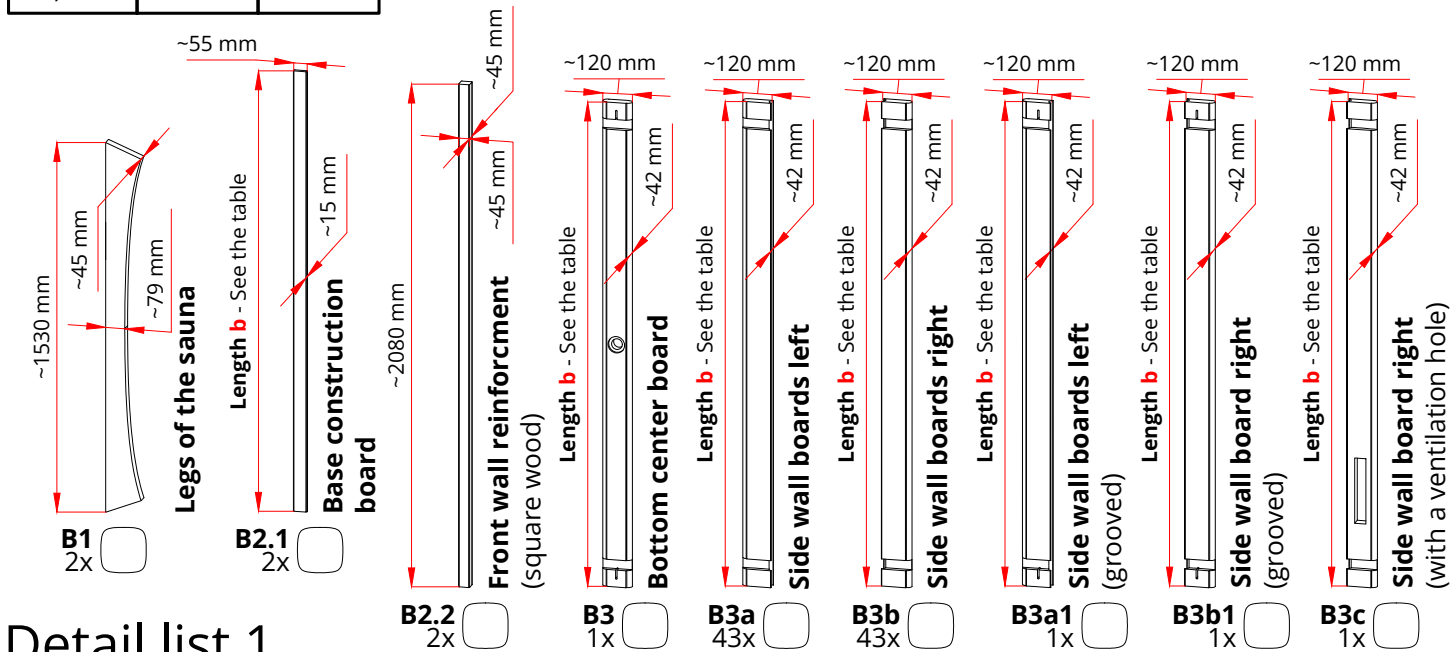
# Black Cube

2,0 m and 1,6 m with Panorama

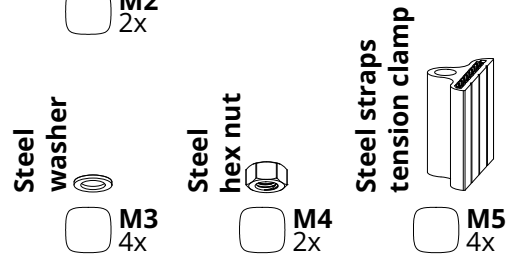
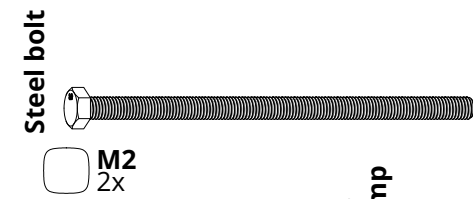
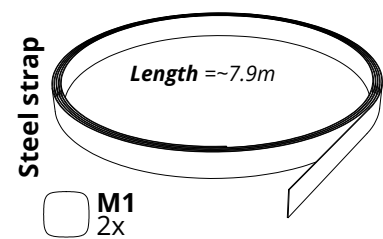
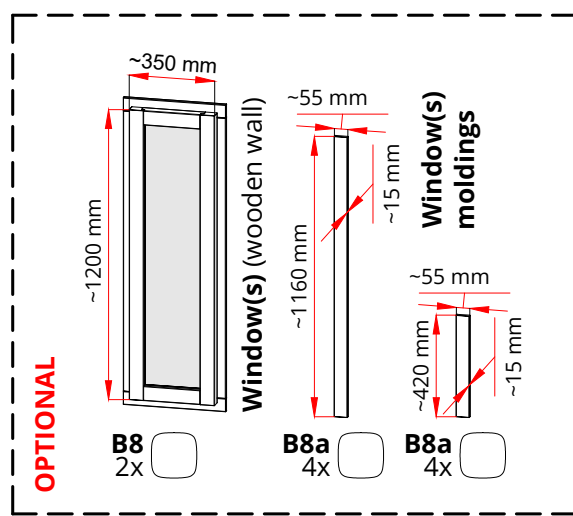
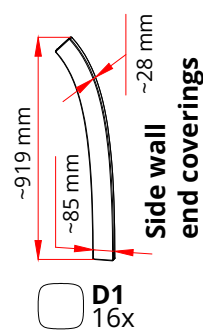
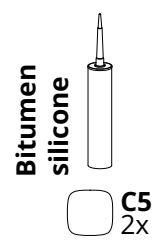
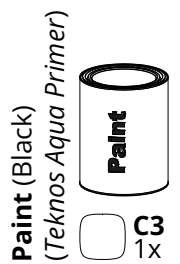
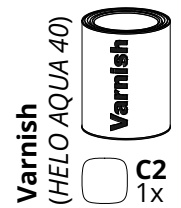
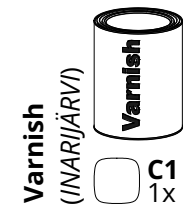
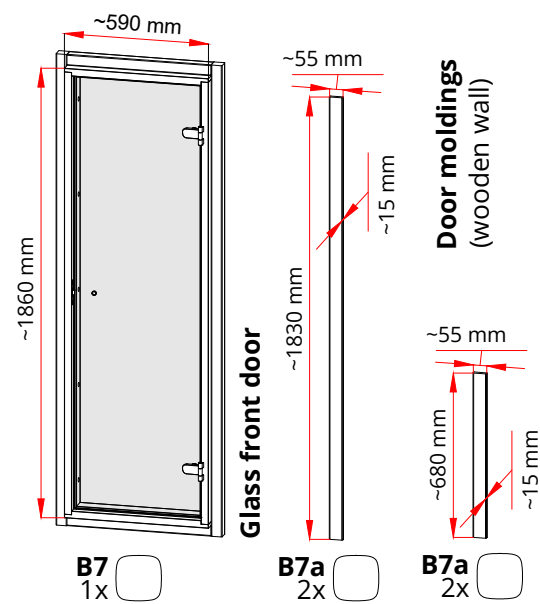
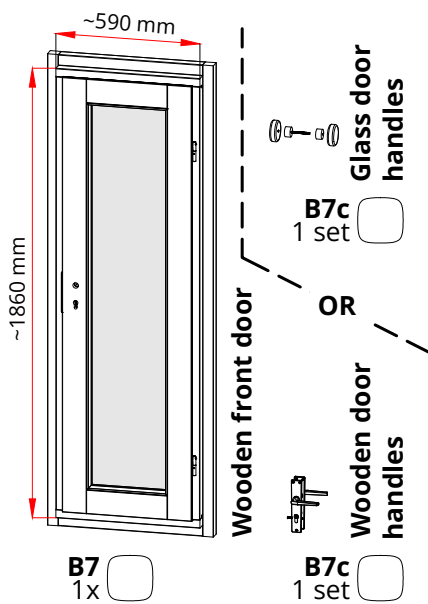
Scale 1 : 30



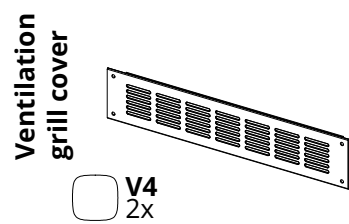
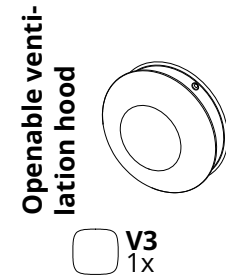
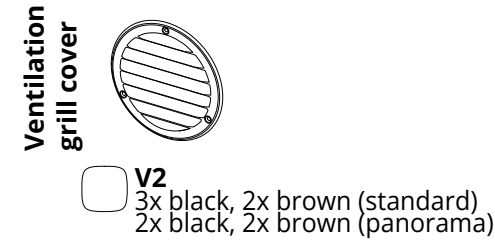
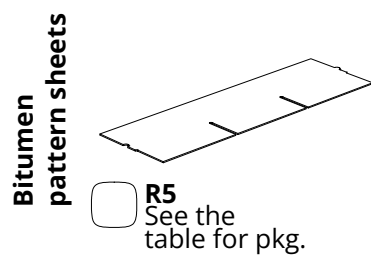
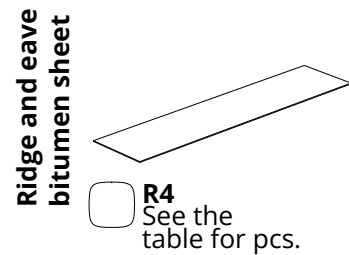
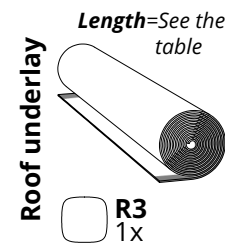
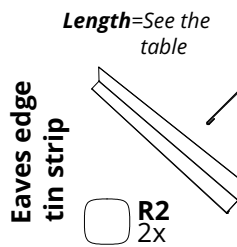
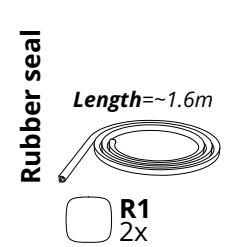
Black Cube	Length a	Length b
2,0 m	~1822 mm	~2004 mm
1,6 m	~1422 mm	~1604 mm



Detail list 1




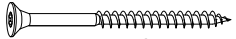

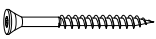
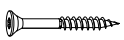



Black Cube	R2 Length	R3 Length	R4	R5
2,0 m	~2000 mm	~2100 mm	8	3
1,6 m	~1600 mm	~1700 mm	6	2.5






## Detail list 2

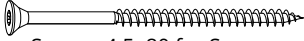




Fasteners for the main construction of the sauna:

Name in manual	Nails and screws / Screw size <i>(Scale 1:2)</i>	Quantity	
S7	 Screws 4,5x80 for Spruce	50	<input type="checkbox"/>
	 Screws 4,2x75 for Thermo		
S6.1	 Screws 4,5x70 (Black coated)	50	<input type="checkbox"/>
S5	 Screws 4,5x60 for Spruce	150	<input type="checkbox"/>
	 Screws 4,2x55 for Thermo		
S2	 Screws 3x40	15	<input type="checkbox"/>
S1	 Screws 3x30	50	<input type="checkbox"/>
R6	 Nail 2,5x20	0.5kg	<input type="checkbox"/>


Fasteners for sauna door(s):

Name in manual	Nails and screws / Screw size <i>(Scale 1:2)</i>	Quantity	
S6.2	 Screws 4,2x75	20	<input type="checkbox"/>
S3.2	 Screws 4,5x50 (Nano black coating)	20	<input type="checkbox"/>
P	 Hole plug	20	<input type="checkbox"/>

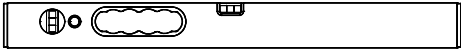
(OPTIONAL) Fasteners for sauna window(s):

Name in manual	Nails and screws / Screw size <i>(Scale 1:2)</i>	Quantity	
S7	 Screws 4,5x80 for Spruce	20	<input type="checkbox"/>
	 Screws 4,2x75 for Thermo		
S6.2	 Screws 4,2x75	28	<input type="checkbox"/>
S3.2	 Screws 4,5x50 (Nano black coating)	50	<input type="checkbox"/>
S2	 Screws 3x40	10	<input type="checkbox"/>

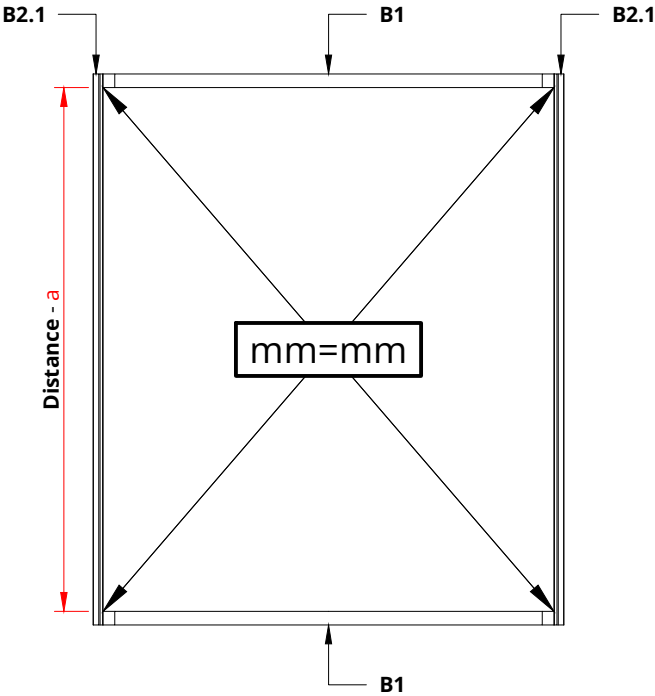
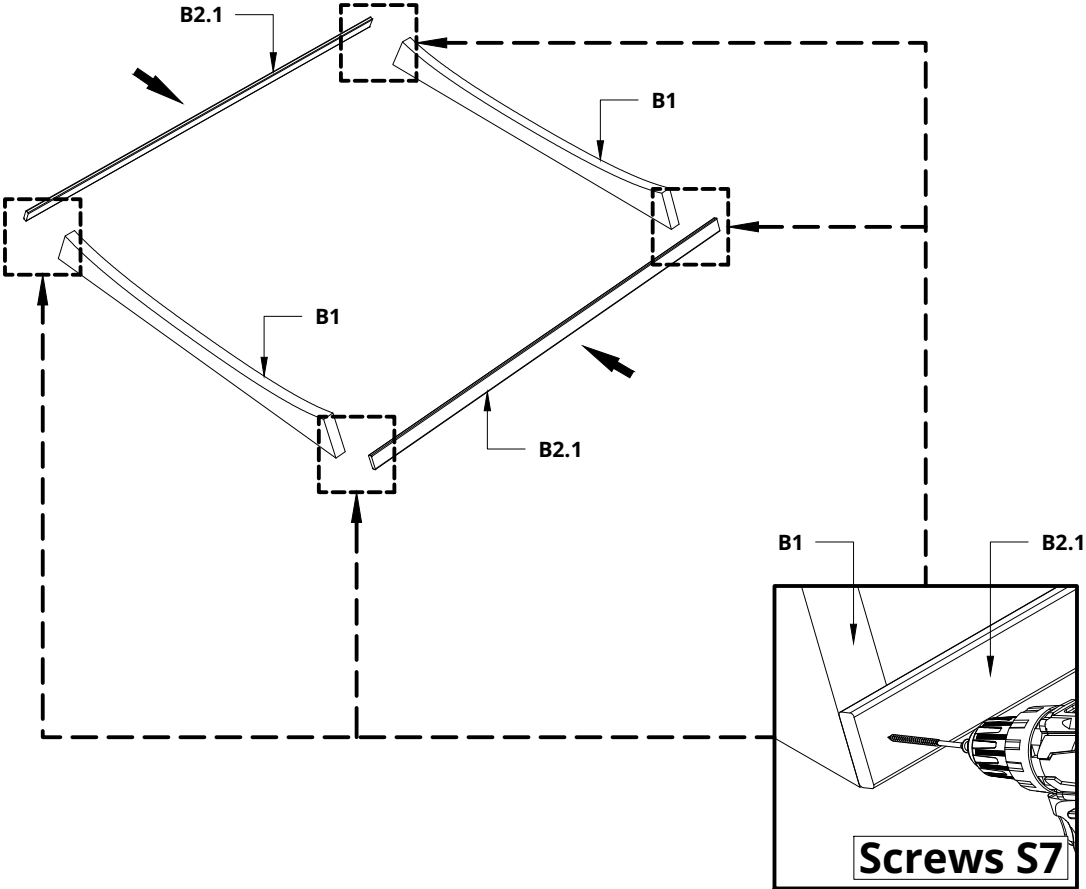


S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	4
		

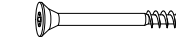
NB! use a level



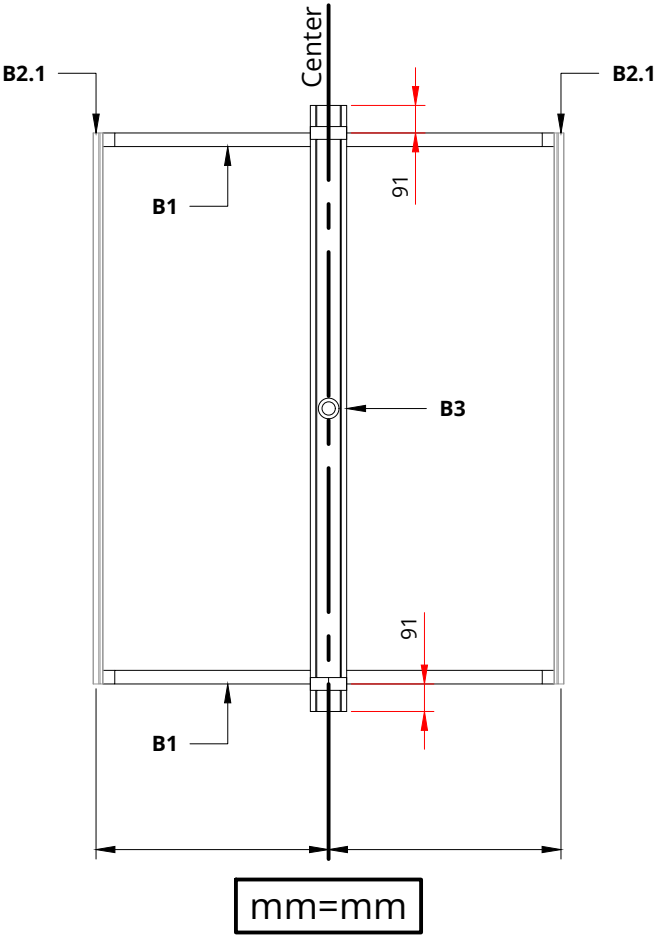
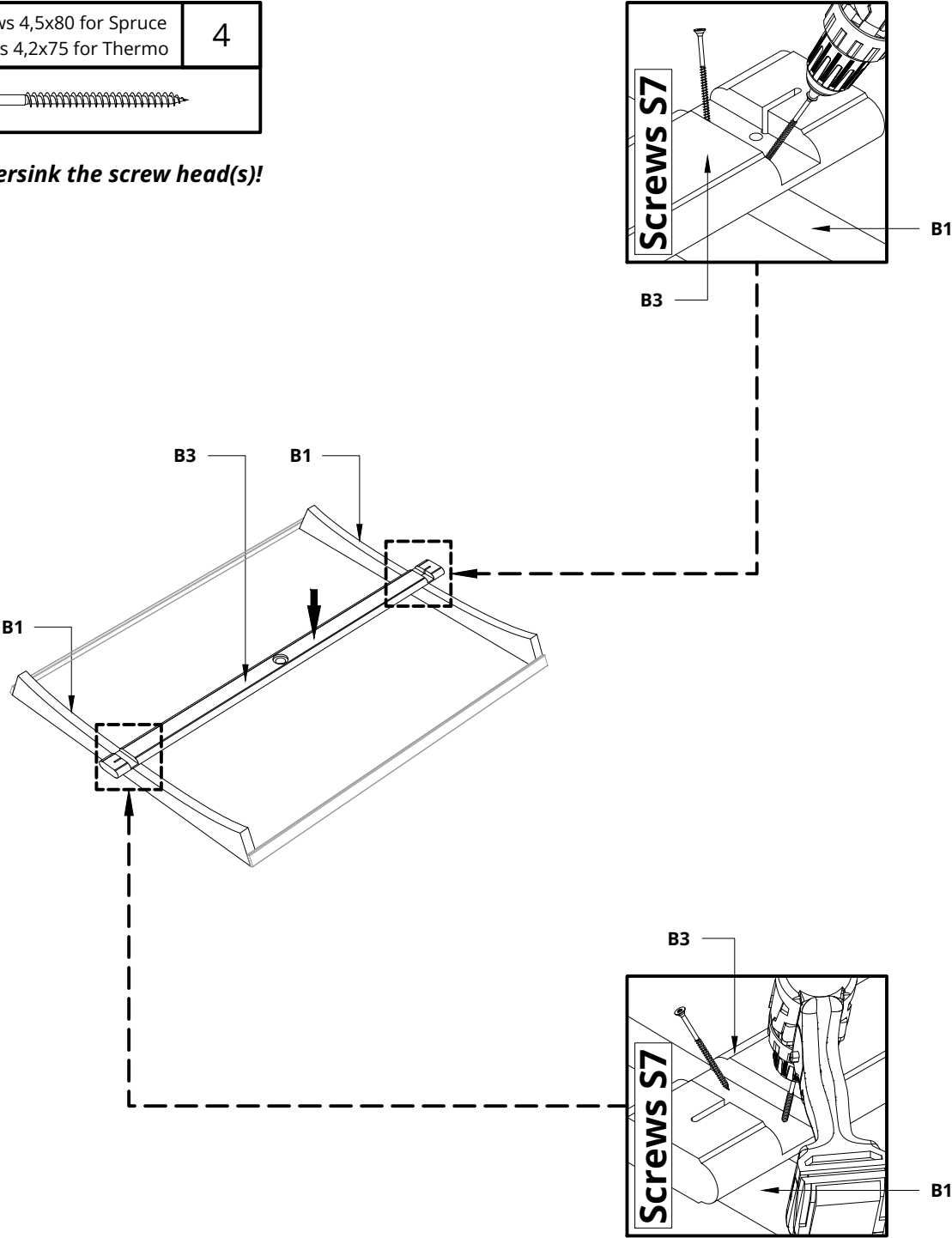
The base of the sauna must be level!




Black Cube	Distance - <b>a</b>
2,0 m	~1732 mm
1,6 m	~1332 mm

S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	4
		

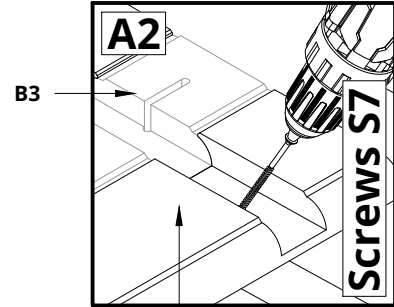
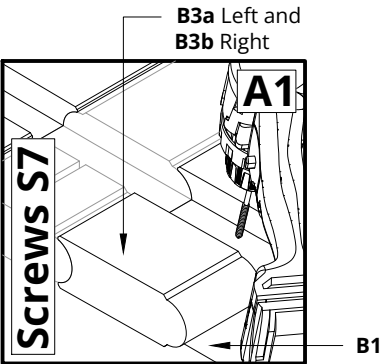
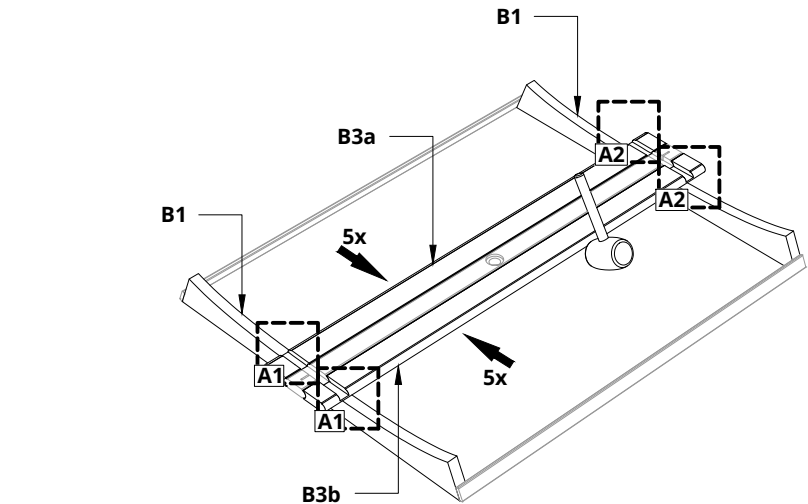
Please countersink the screw head(s)!



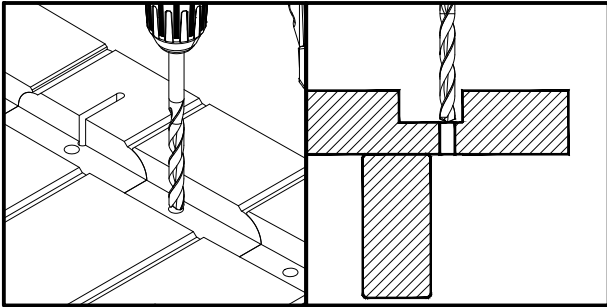


S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	24
		

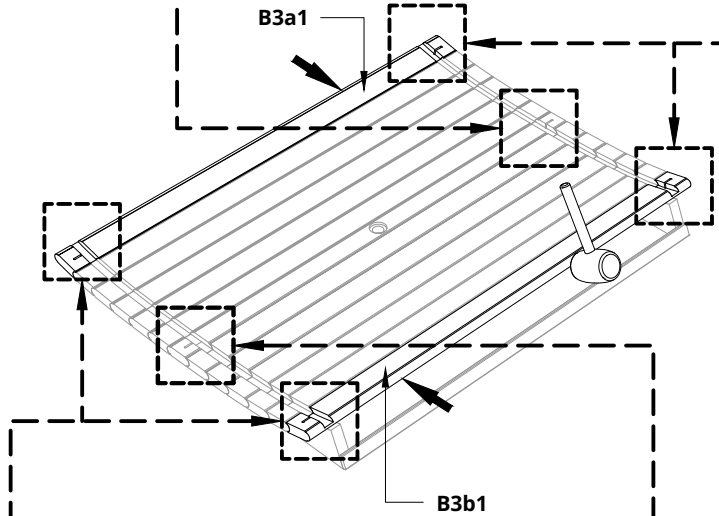
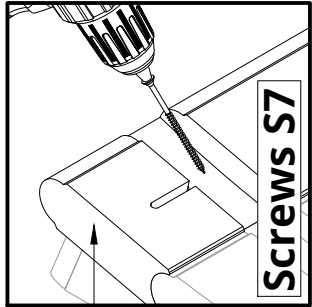
**Please countersink the screw head(s)!**  
**Use a rubber mallet to tap the planks together!**  
**Drill 10 mm hole in each plank groove!**



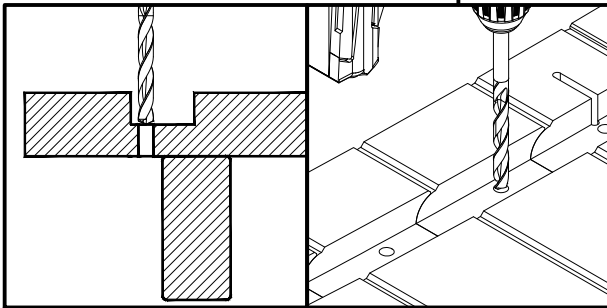
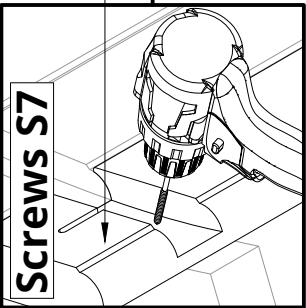
B3a Left and  
B3b Right



B3a1 Left and  
B3b1 Right



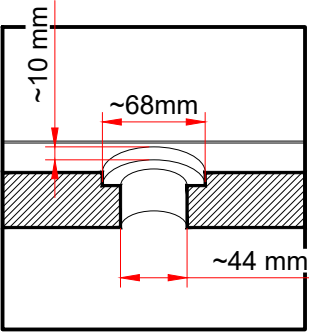
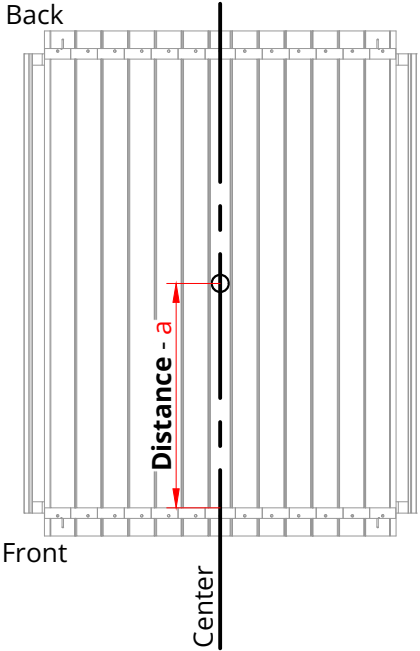
B3a1 Left and  
B3b1 Right



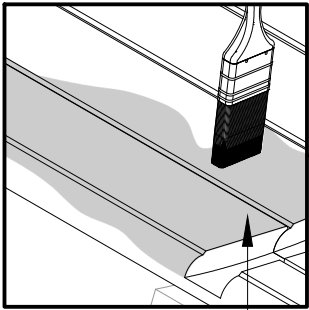
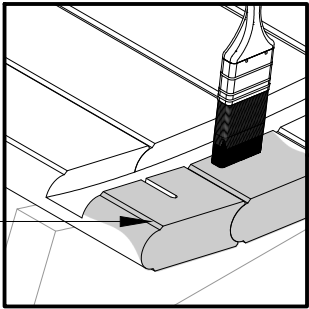
Cut a hole for the drain pipe (only necessary if there is no hole)!  
Clean the groove and floor surfaces from wood waste and other dirt!  
Cover the grooves and the floor surfaces (middle) with varnish by following the manufacturer's instructions!  
Paint the front end and back end of the boards!

Black Cube	Distance - a
2,0 m	~890 mm
1,6 m	~690 mm

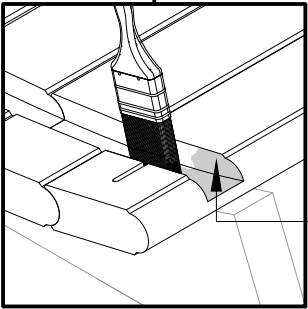
Only necessary if there is no drain pipe hole



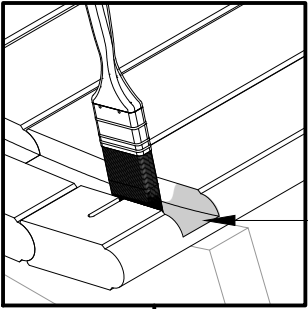
First coats of paint  
C3 - Teknos black (Aqua Primer)  
Second coat of paint  
C4 - Teknos black (Visa Base 3)



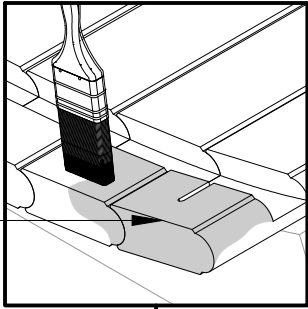
Add two or three coats of varnish  
C2 - (HELO AQUA 40)



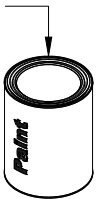
Add two coats of varnish  
C1 - (INARI/JÄRVI)

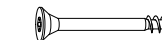


Add two coats of varnish  
C1 - (INARI/JÄRVI)

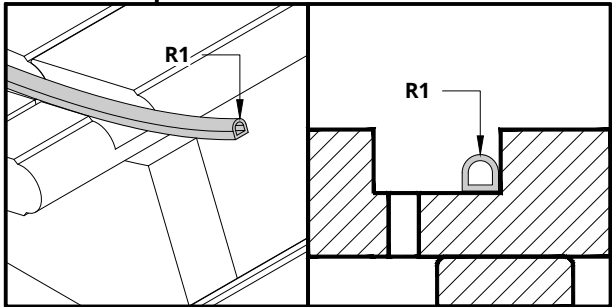
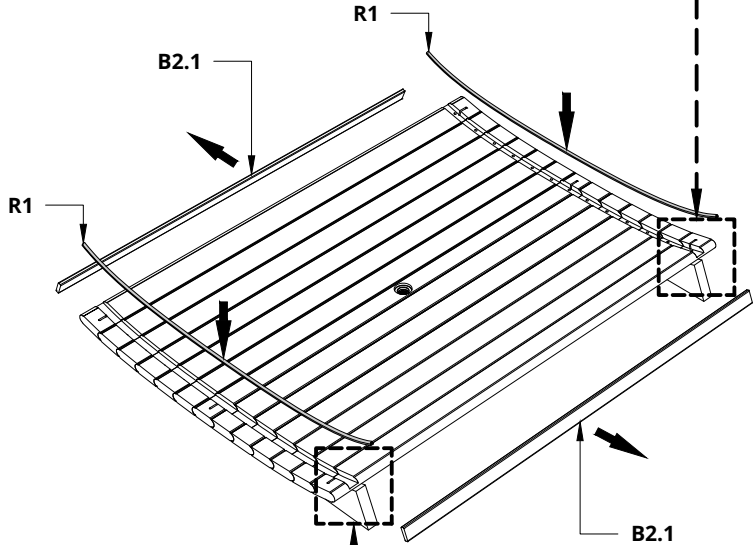
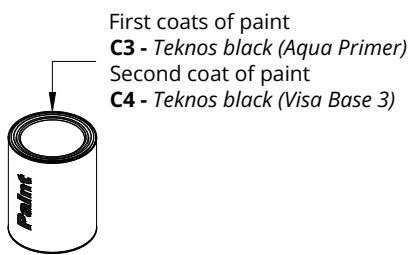
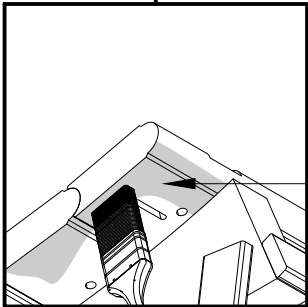
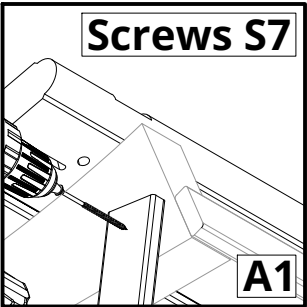
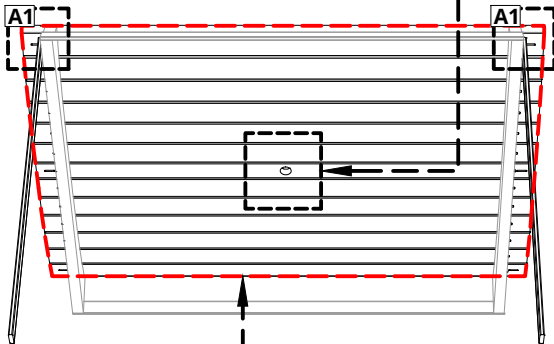
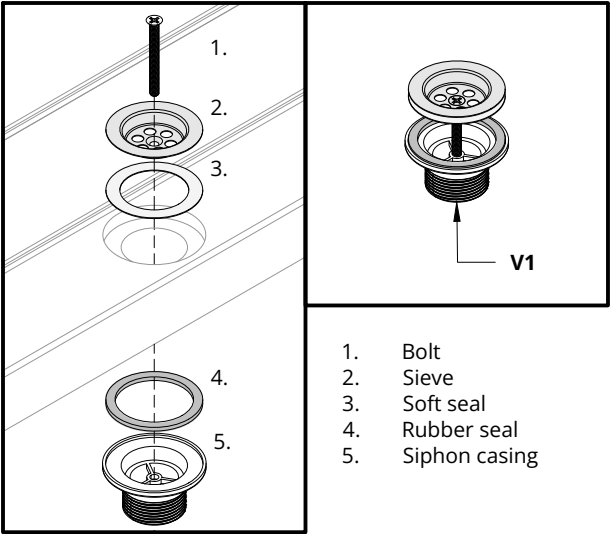



First coats of paint  
C3 - Teknos black (Aqua Primer)  
Second coat of paint  
C4 - Teknos black (Visa Base 3)



S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	2
		

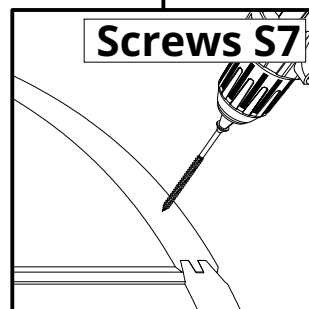
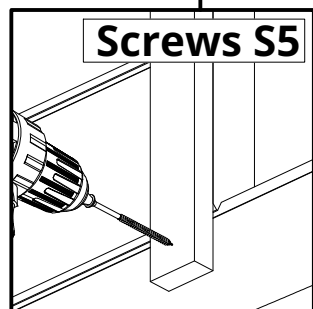
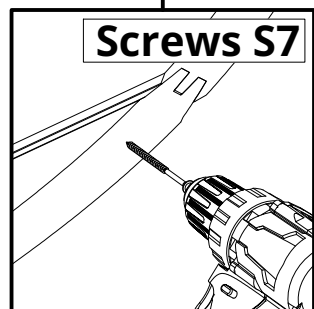
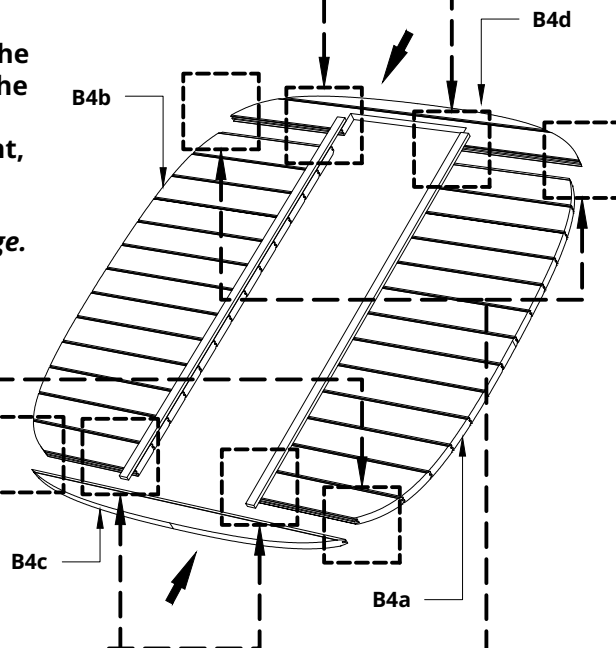
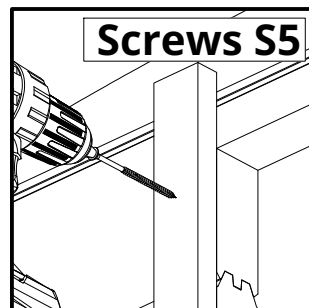
Lift the bottom of the sauna up on one side and install some aids!  
Clean the bottom surface!  
Cover the surface with paint and let the paint dry!  
Install a piece of drain pipe V1!  
Install the rubber seal R1!  
Remove boards B2.1!



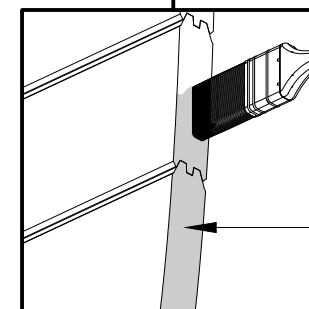
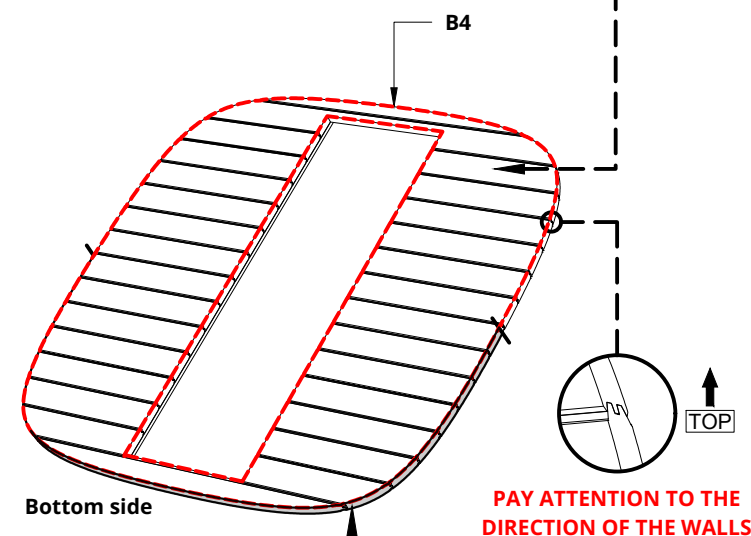
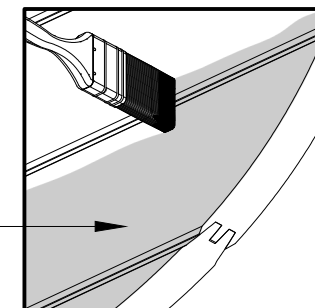
S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	4
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	4
		

**Please countersink the screw head(s)!**  
**Assemble and prepare of the front wall!**  
**Fasten the parts with screws and jigs!**  
**Clean the edge and the outer surface of the front wall from wood waste and other dirt!**  
**Varnish the edge of the wall from the bottom to middle by following the manufacturer's instructions!**  
**Cover the wall outer surface with paint, let the paint dry!**

*To assemble the glass wall, see next page.*




First coats of paint  
**C3 - Teknos black (Aqua Primer)**  
 Second coat of paint  
**C4 - Teknos black (Visa Base 3)**



Add two coats of varnish  
**C1 - (INARI/JÄRVI)**

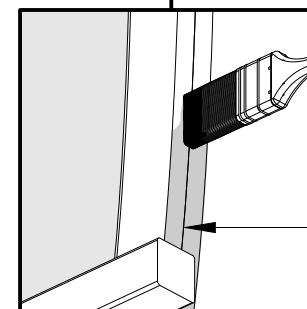
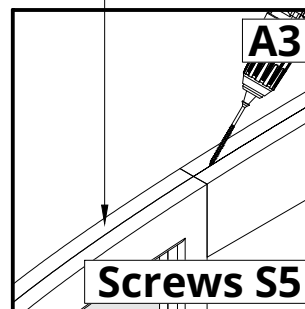
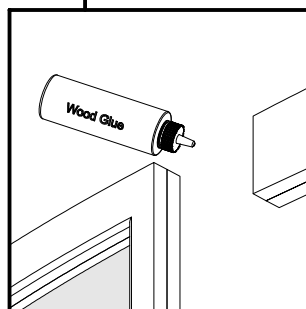
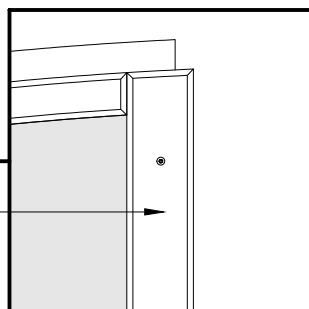
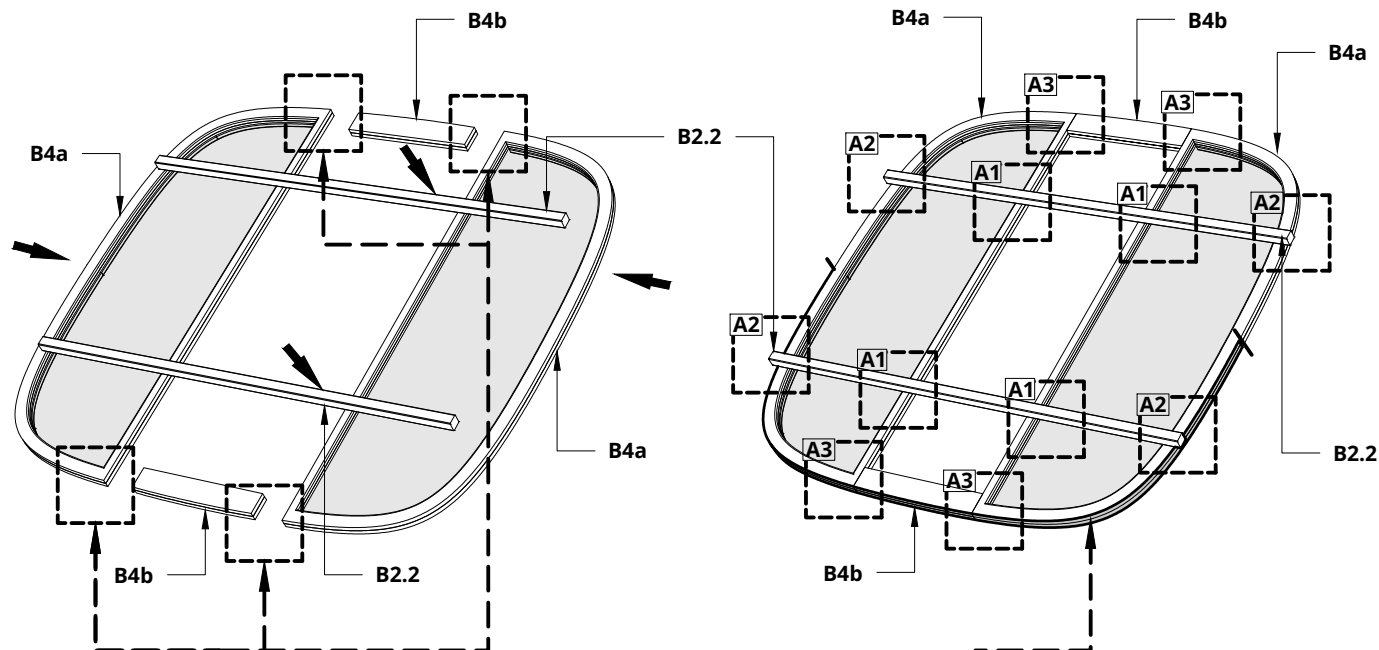
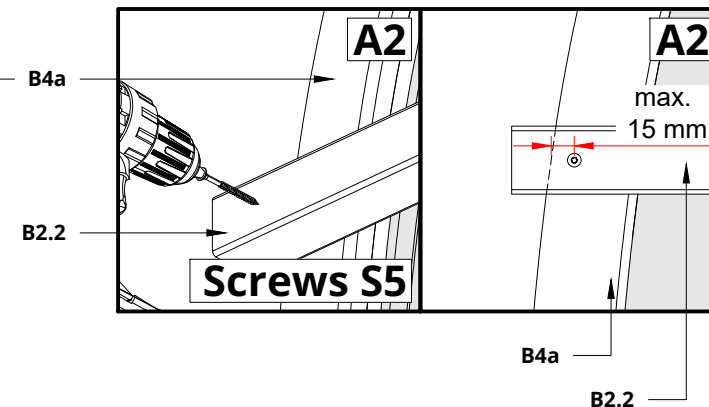
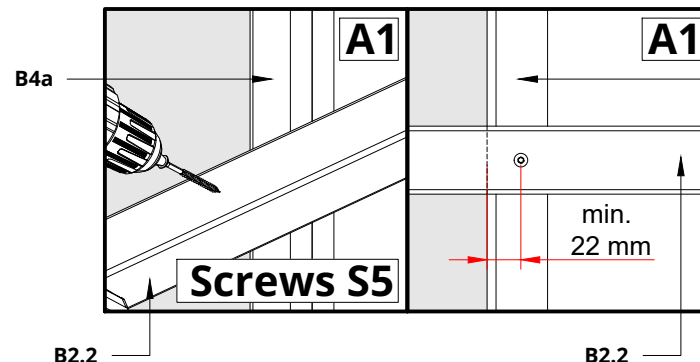


S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	12
		

**Only necessary for a glass wall version!**  
**Please countersink the screw head(s)!**  
 Assemble and prepare of the front wall!  
 Remove the door moldings (B7a)!  
 Use glue between the B4a and B4b!  
 Fasten the parts with screws and jigs!  
 Let the glue dry according to the glue manufacturer's recommendations!  
 Clean the edge of the wall from wood waste and other dirt!  
 Varnish the edge of the wall from the bottom to middle by following the manufacturer's instructions!

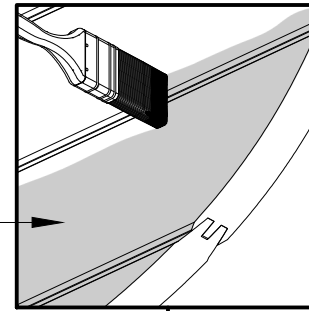
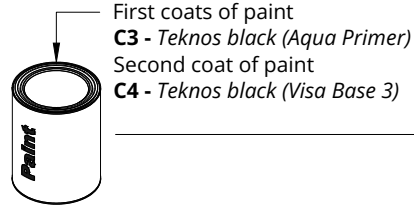
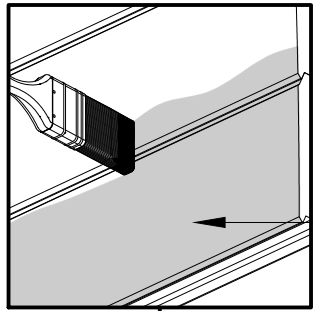
Remove the door molding (B7a) from both B4a. Fixed with 5 screws.

Remove the door molding (B7a) from both B4a. Fixed with 5 screws



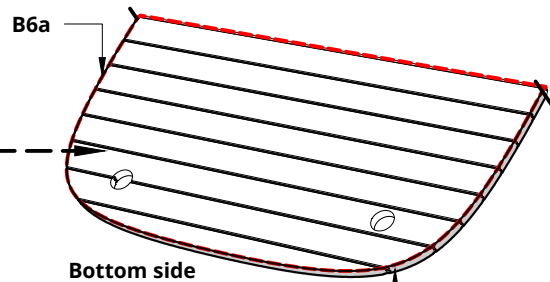
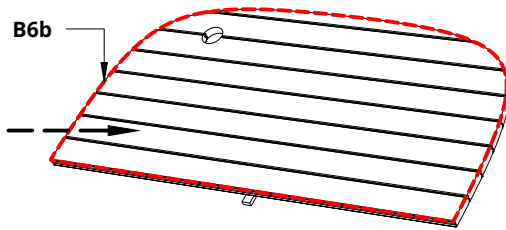
Add two coats of varnish  
C1 - (INARI/JÄRVI)



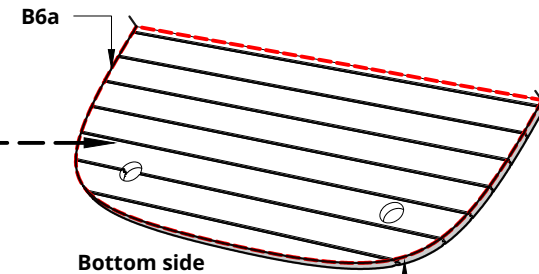


**Preparation of the back wall!**  
Clean the edge of the lower part of the back wall and the outer surface from wood waste and other dirt!  
Varnish the edge of the lower part of the back wall from the bottom to middle by following the manufacturer's instructions!  
Cover the lower part and \*upper part of the back wall outer surface with paint, let the paint dry!

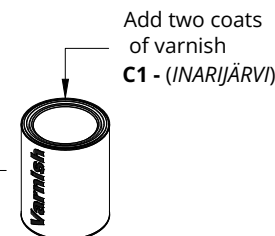
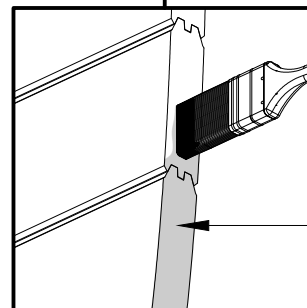
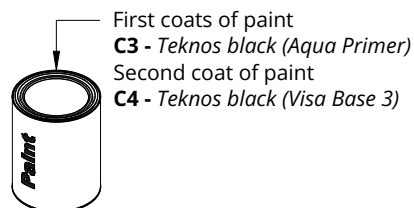
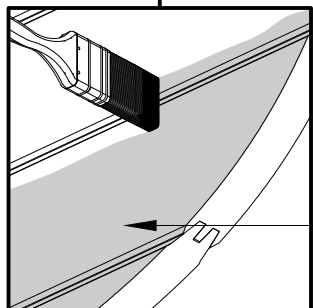
**\*Only on the wooden back wall**



**Wooden back wall  
(lower and upper part)**



**Panoramic back wall  
(lower part)**






Preparation for side wall boards.

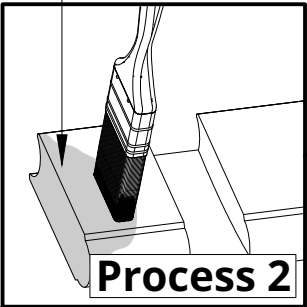
Before doing the processes, clean the sidewall boards from wood waste and other dirt!

Boards	First ones			The following ones			
	B3a	B3b	B3c	B3a	B3b	B3a	B3b
Process 1	✓	✓	✓	✗	✗	✗	✗
Process 2	✓	✓	✓	✓	✓	✓	✓
Process 3	✓	✓	✓	✓	✓	✗	✗
Process 4	✓	✓	✓	✗	✗	✗	✗
Label them	1L	1R	1.1R	2L	2R	3L	3R
Quantity	5	4	1	8	8	19	19

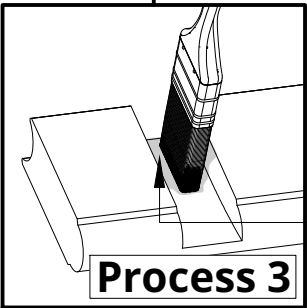
First coats of paint  
C3 - Teknos black (Aqua Primer)  
Second coat of paint  
C4 - Teknos black (Visa Base 3)



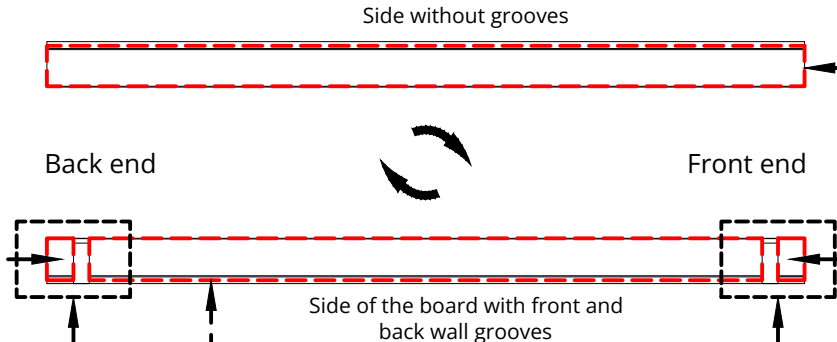
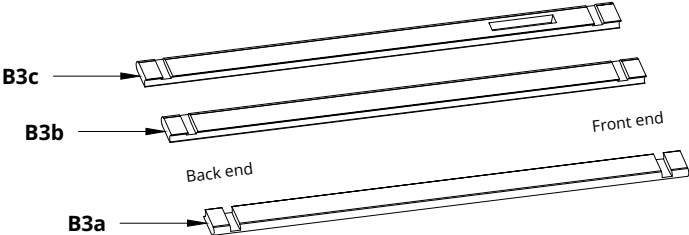

Process 2



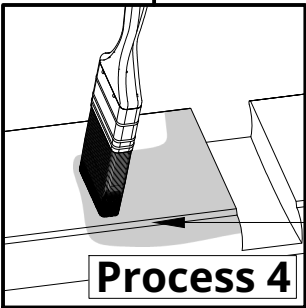
Process 3




Add two coats of varnish  
C1 - (INARIJÄRVI)



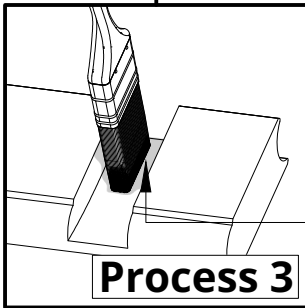
Process 4




Add two or three coats of varnish  
C2 - (HELO AQUA 40)



Process 3



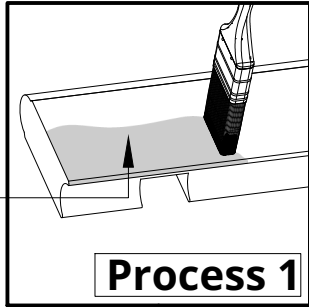
Add two coats of varnish  
C1 - (INARIJÄRVI)



First coats of paint  
C3 - Teknos black (Aqua Primer)  
Second coat of paint  
C4 - Teknos black (Visa Base 3)



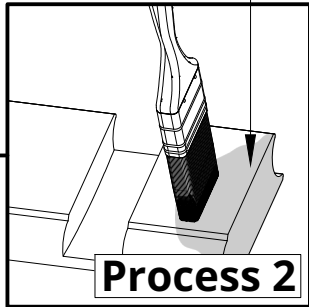
Process 1




First coats of paint  
C3 - Teknos black (Aqua Primer)  
Second coat of paint  
C4 - Teknos black (Visa Base 3)

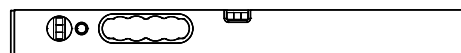


Process 2



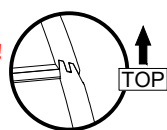
S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	8
		

NB! use a level

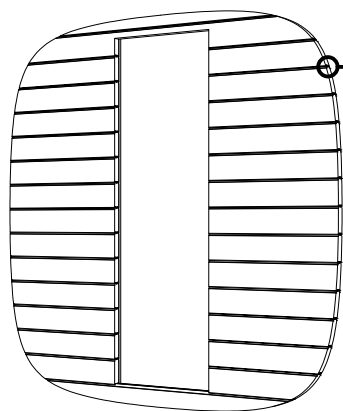


**\* Depends on the choice of sauna wall!**  
**Please countersink the screw head(s)!**  
 Make sure that the walls are centered in relation to the bottom!  
 Install safety boards on walls, use boards B3a and B3b, that are labeled as 3L and 3R!  
 Remove the back wall connection strip(s)!

**PAY ATTENTION TO THE DIRECTION OF THE WALLS!**

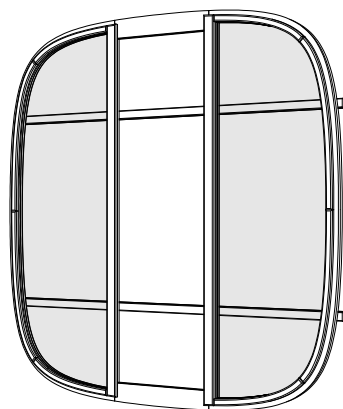


*B4 depends on the choice of sauna front walls*

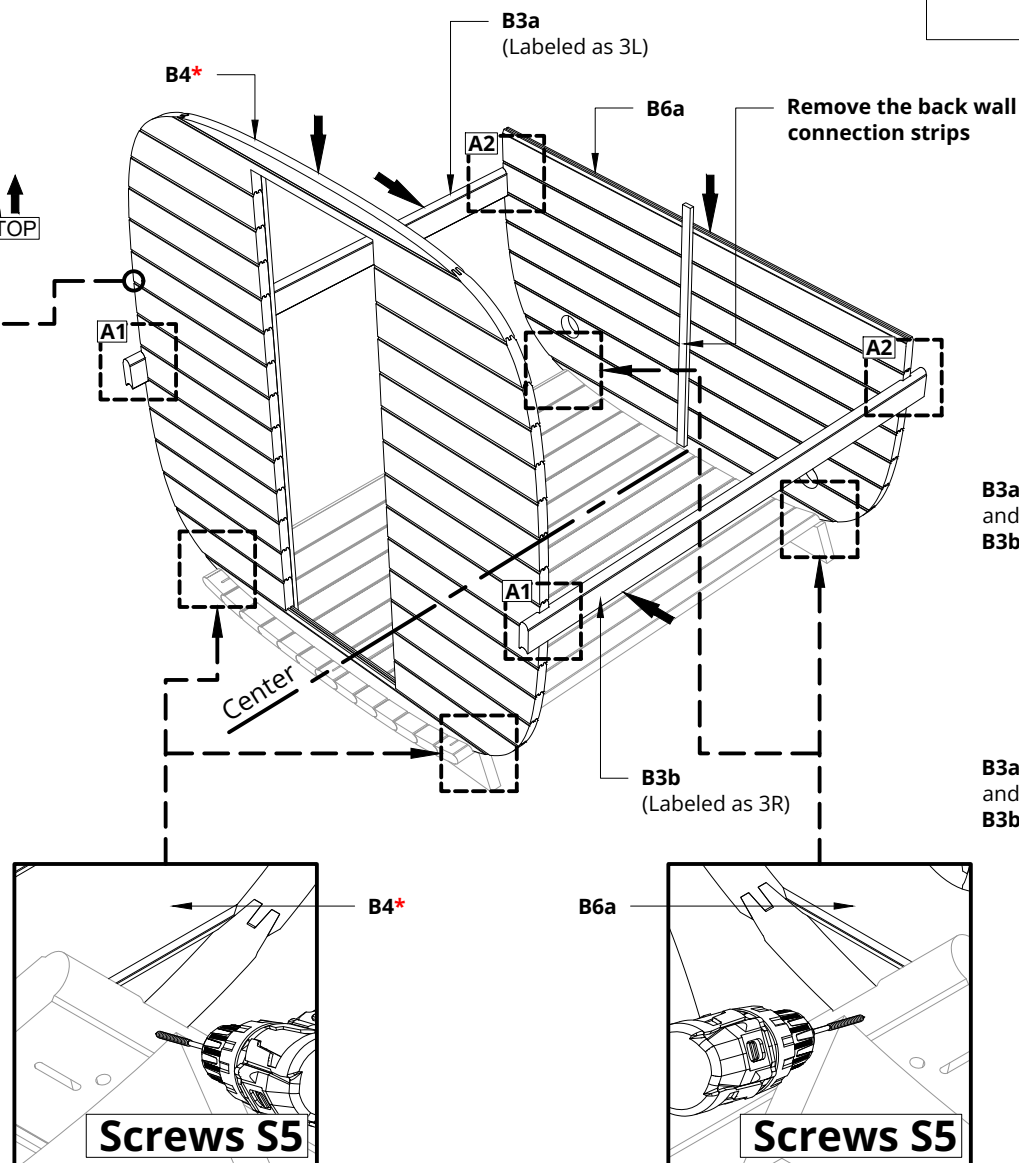


Wooden front wall

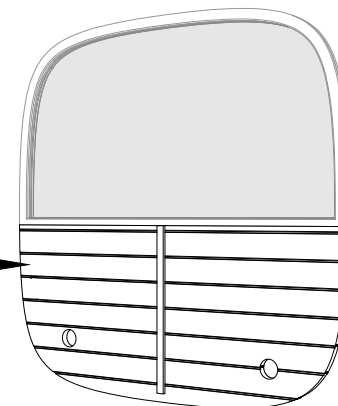
OR



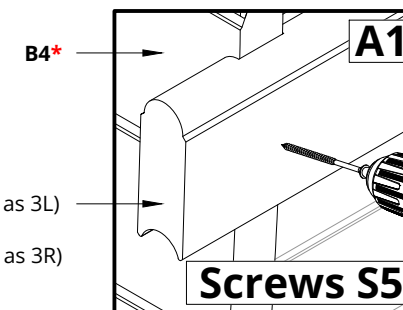
Glass front wall



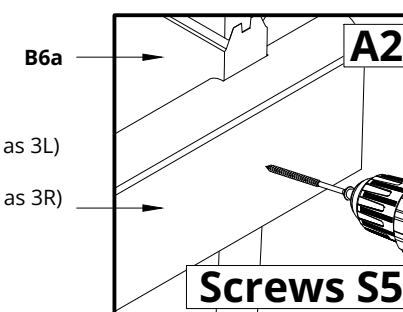
*The same steps apply to the bottom part of the panoramic back wall*



Panorama back wall



**B3a (Labeled as 3L)**  
**and**  
**B3b (Labeled as 3R)**




**B3a (Labeled as 3L)**  
**and**  
**B3b (Labeled as 3R)**

B6a

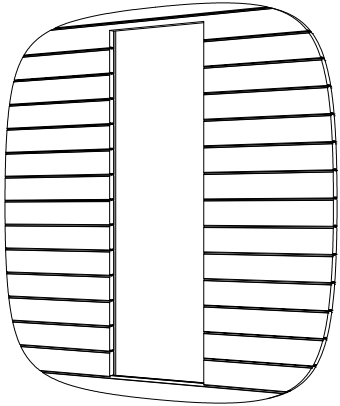
Screws S5



S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	4
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	2
		

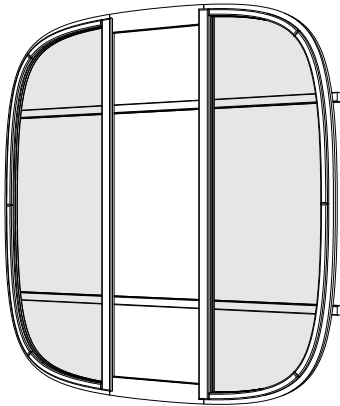
**\* Depends on the choice of sauna wall!**  
**Please countersink the screw head(s)!**  
**Install the upper part of the back wall B6b**  
**and the upper safety board!**  
**Remove the back wall connection strip(s)!**  
**Panorama construction instructions are on**  
**the next page!**

*B4 depends on the choice of sauna front walls*

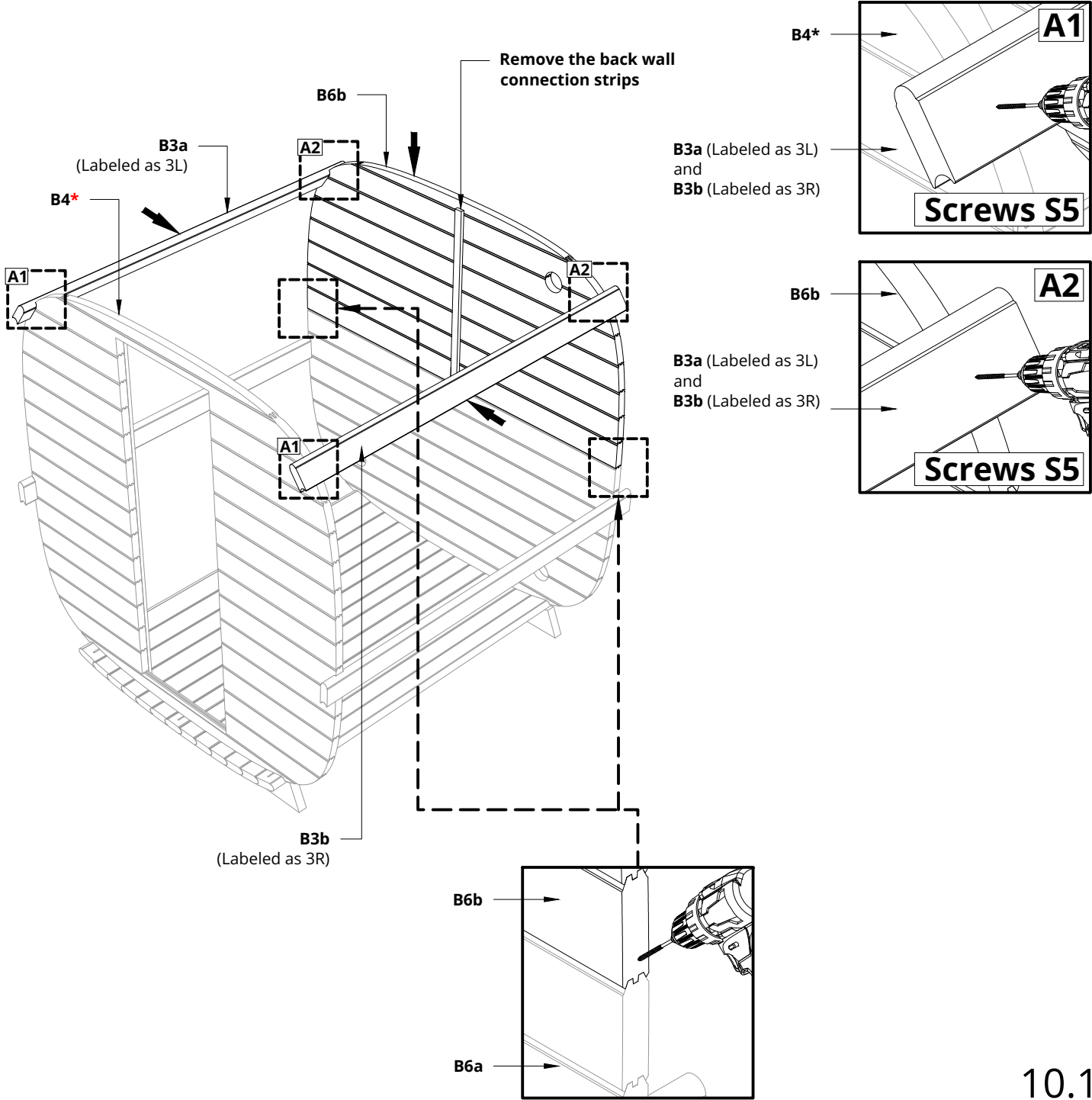



Wooden front wall

OR



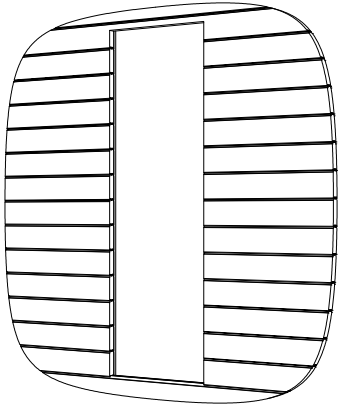
Glass front wall



S2	Screws 3x40	5
S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	6
		

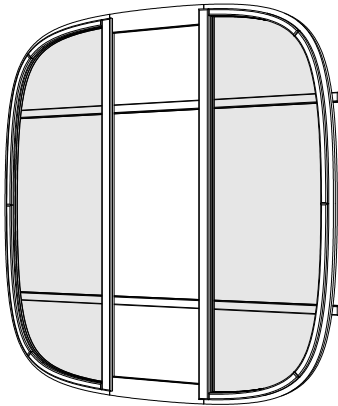
*Only necessary for a panorama back wall version!*  
*\* Depends on the choice of sauna wall!*  
**Please countersink the screw head(s)!**  
**Install the upper part of the back wall B6b and the upper safety board!**  
**Remove the back wall connection strip(s)!**

*B4 depends on the choice of sauna front walls*

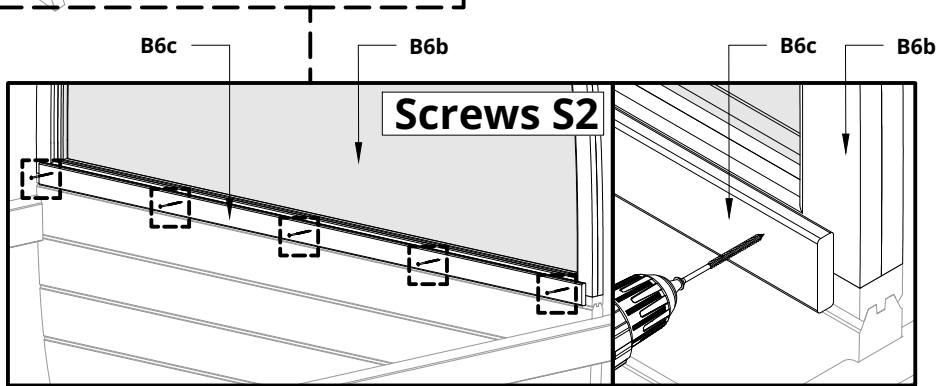
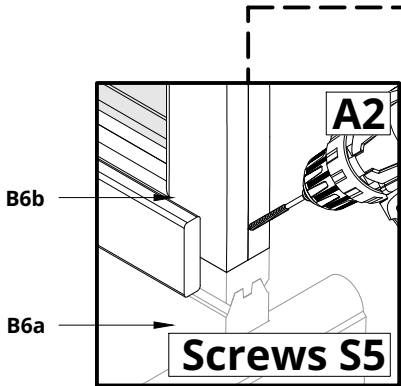
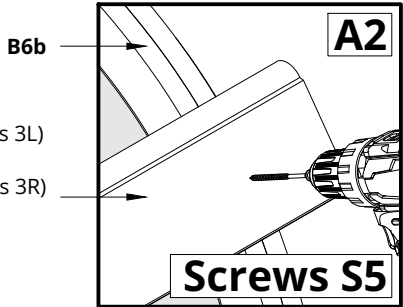
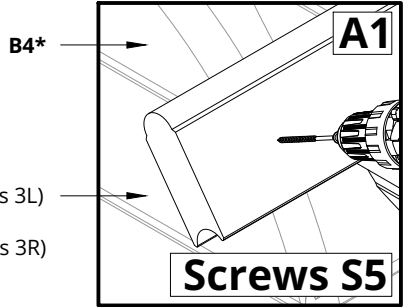
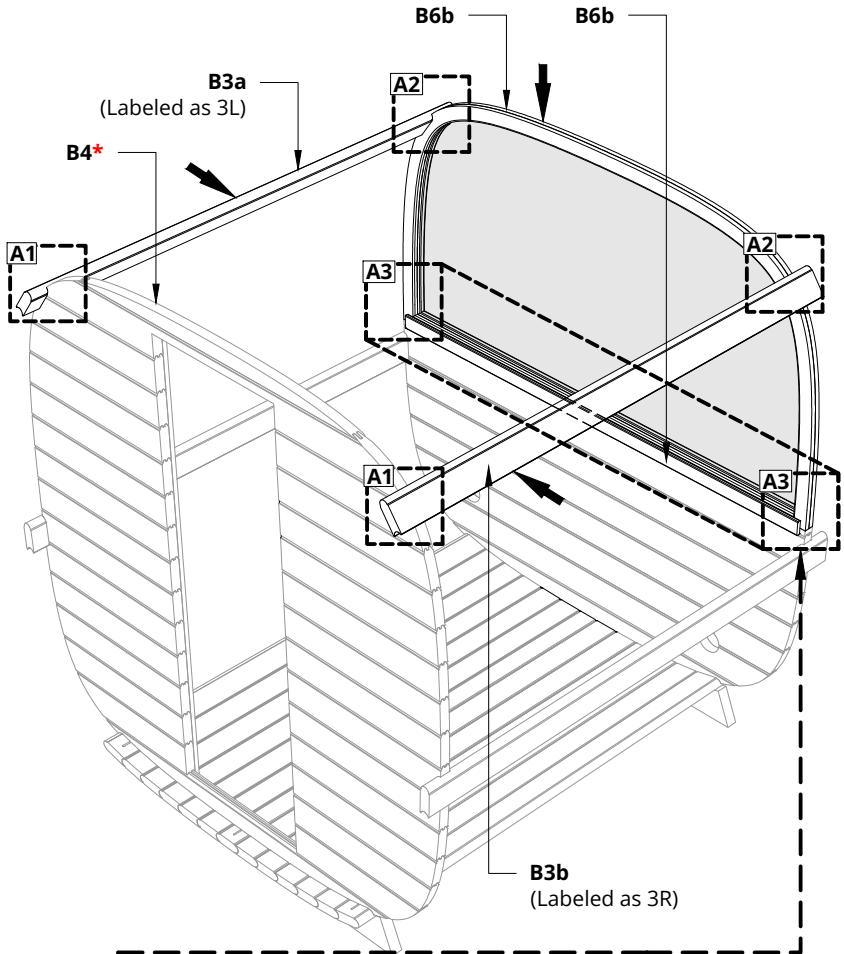



Wooden front wall

OR



Glass front wall



S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	104
		

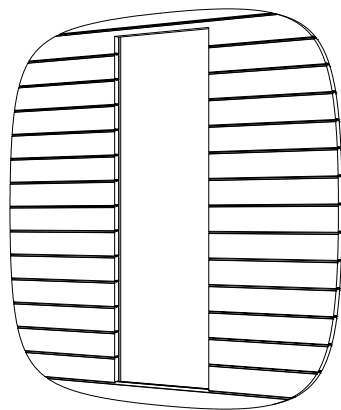
**\*Depends on the choice of sauna wall!**

**\*\*For glass wall only!**

**Please countersink the screw head(s)!**  
**Use a rubber mallet to tap the planks into place!**

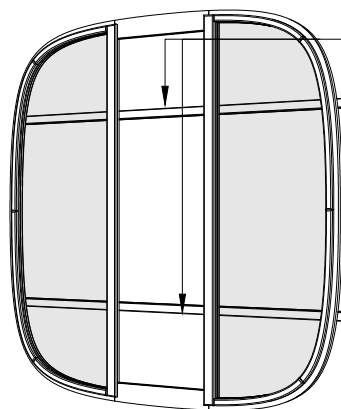
**Please do not screw the screws in on the last whole blanks immediately!**

*B4 depends on the choice of sauna front walls*



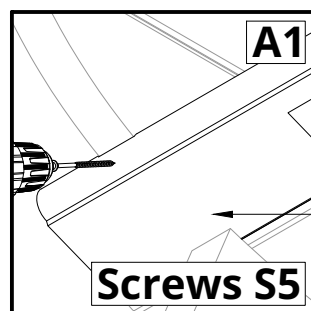
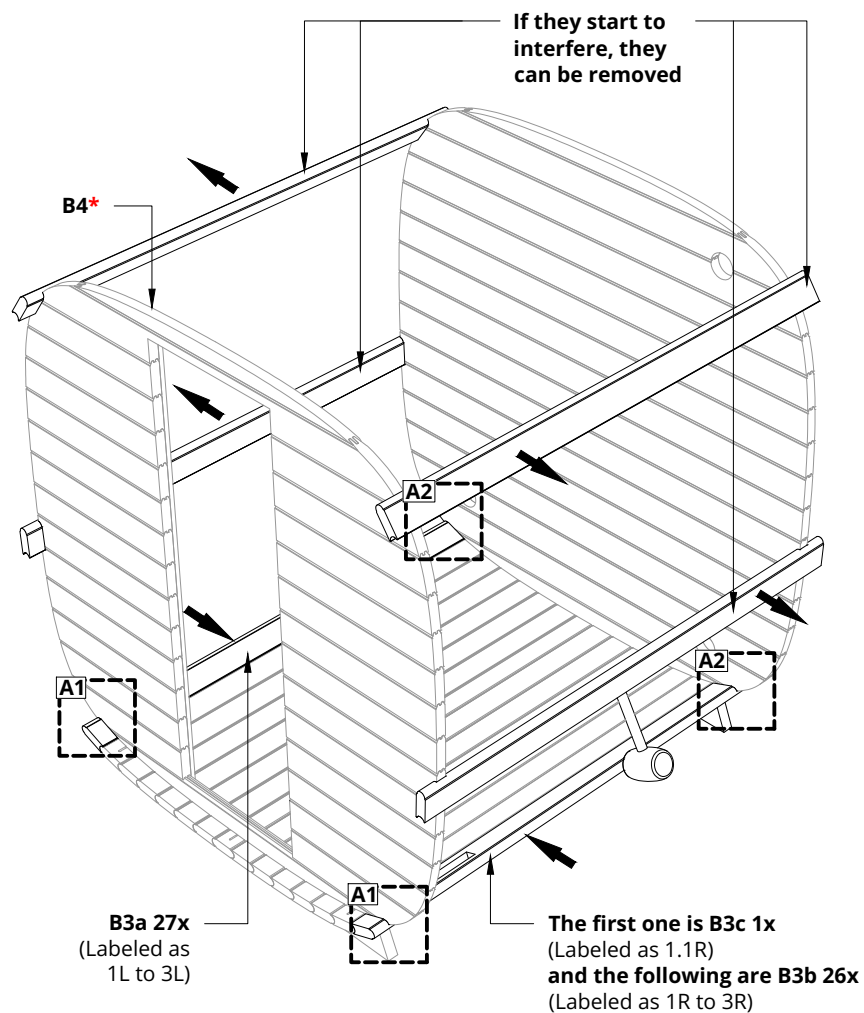
Wooden front wall

OR



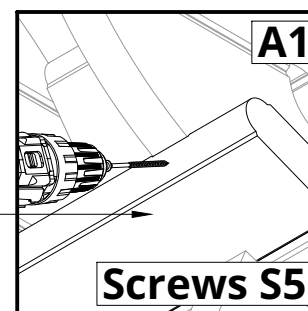
Glass front wall

**\*\* If they start to interfere, they can be removed**

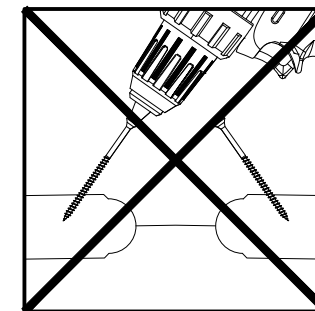


**B3a left**  
(Labeled as 1L to 3L)  
**B3b and B3c right**  
(Labeled as 1.1R, 1R to 3R)

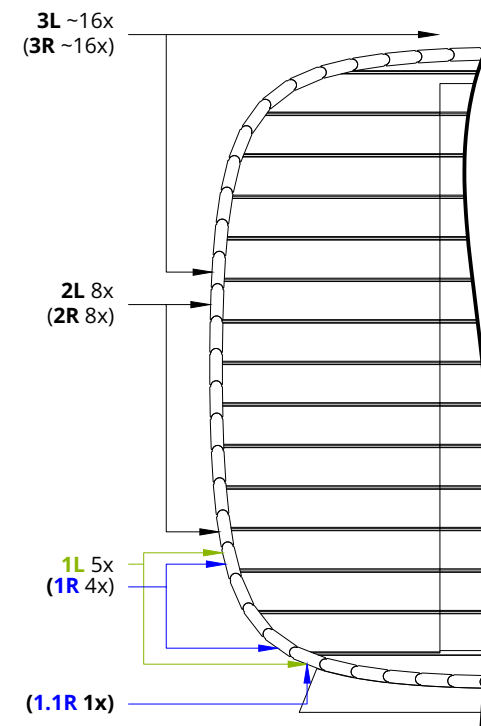
**Screws S5**



**Screws S5**

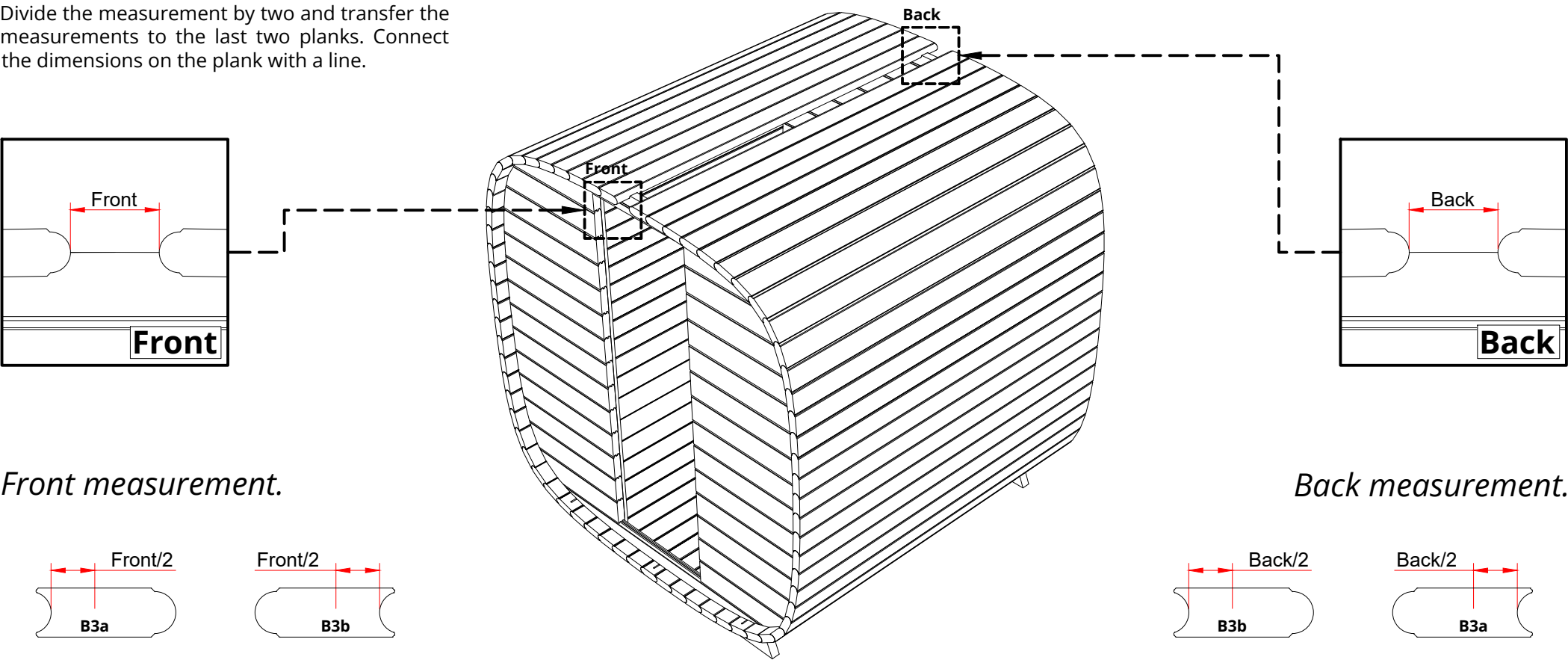


**B3a left**  
**(B3b and 1xB3c right)**  
*layout of labeled boards*



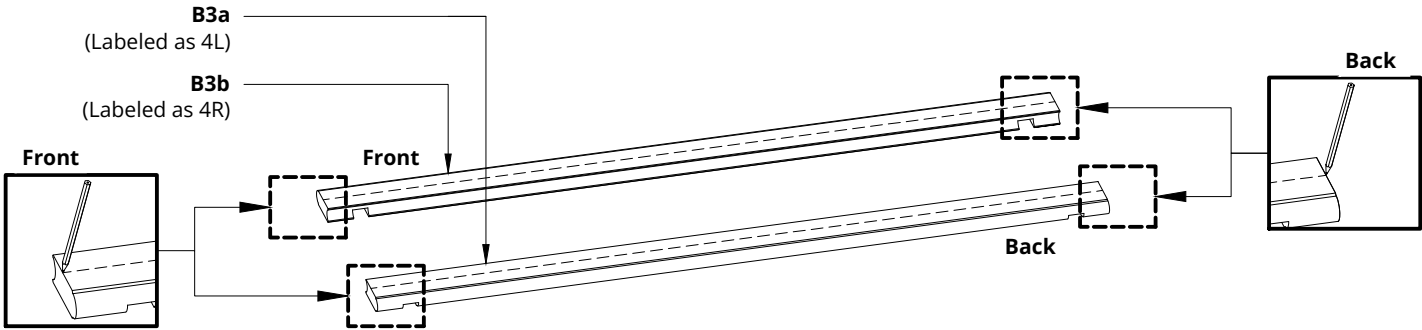
Measure the gap front and back,  
the dimensions can be different!


Divide the measurement by two and transfer the  
measurements to the last two planks. Connect  
the dimensions on the plank with a line.



Front measurement.

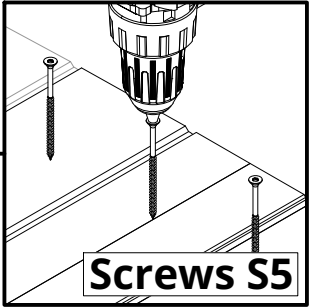
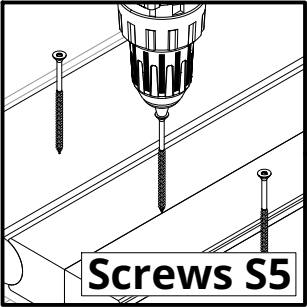
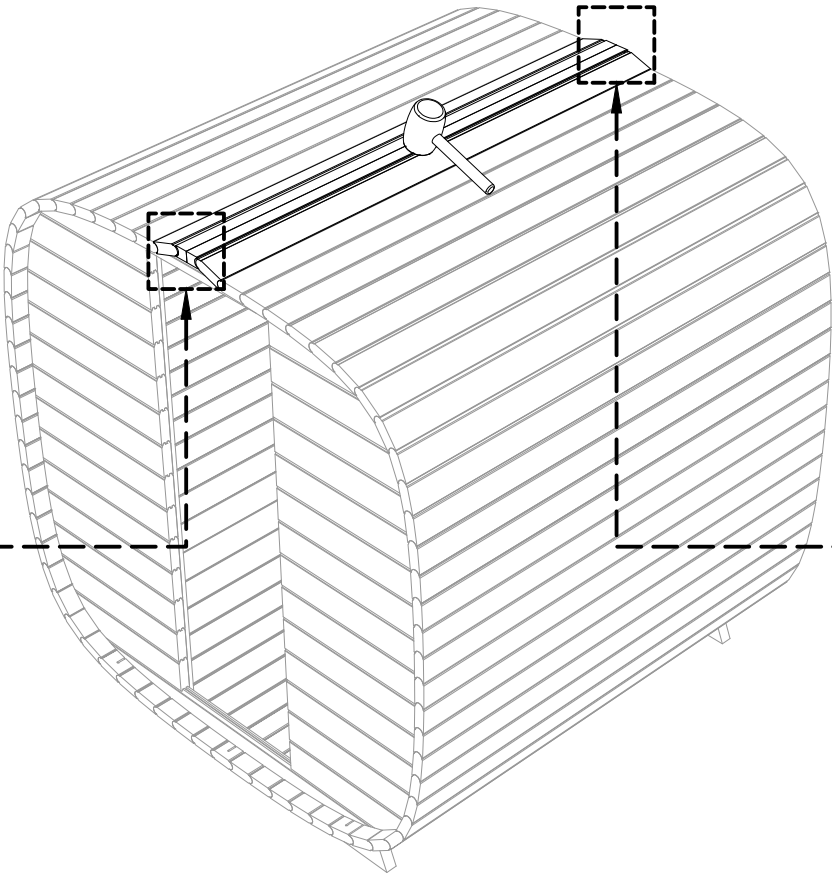
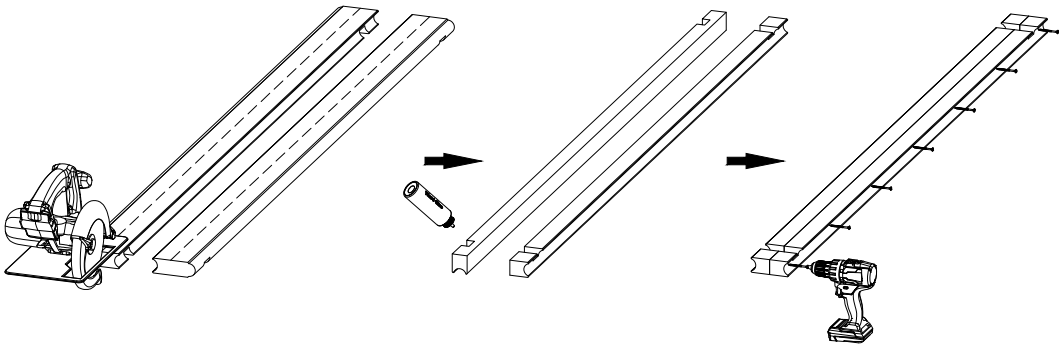
Back measurement.

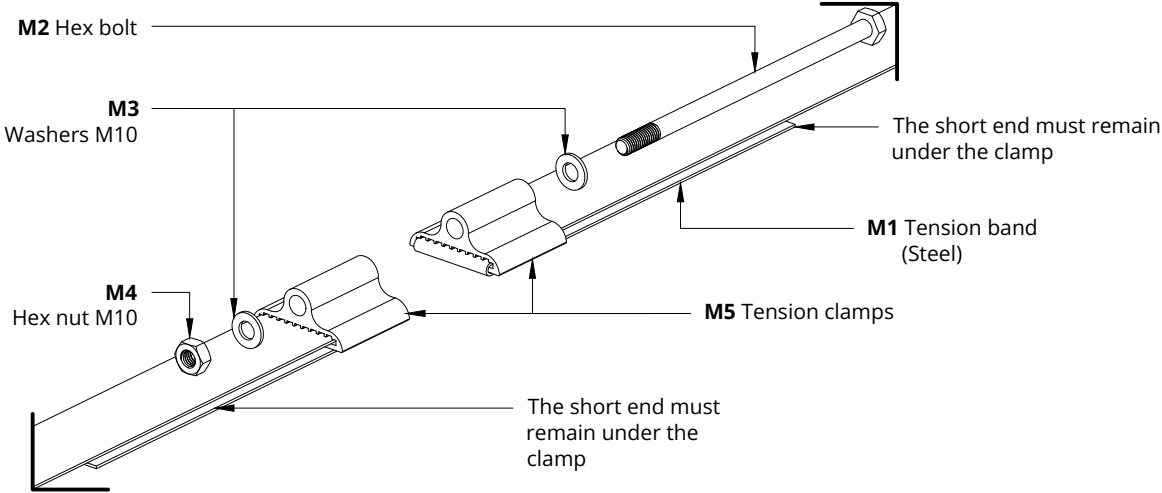


S2...7	Screws 3x40 ... 4,5x80	7
S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	6
		

**Please countersink the screw head(s)!**  
**Prepare the last plank!**  
**Use a rubber mallet to tap the planks in to the cap!**

Cut along the marked line to cut off these ends. Glue the two cut boards with wood glue and connect them with 7 pieces of 3x40 ... 4.5x80 screws (the length of the screws depends on the final width of the last two planks cut). Wipe off excess glue with a cloth and then use sandpaper to smooth out the gap.

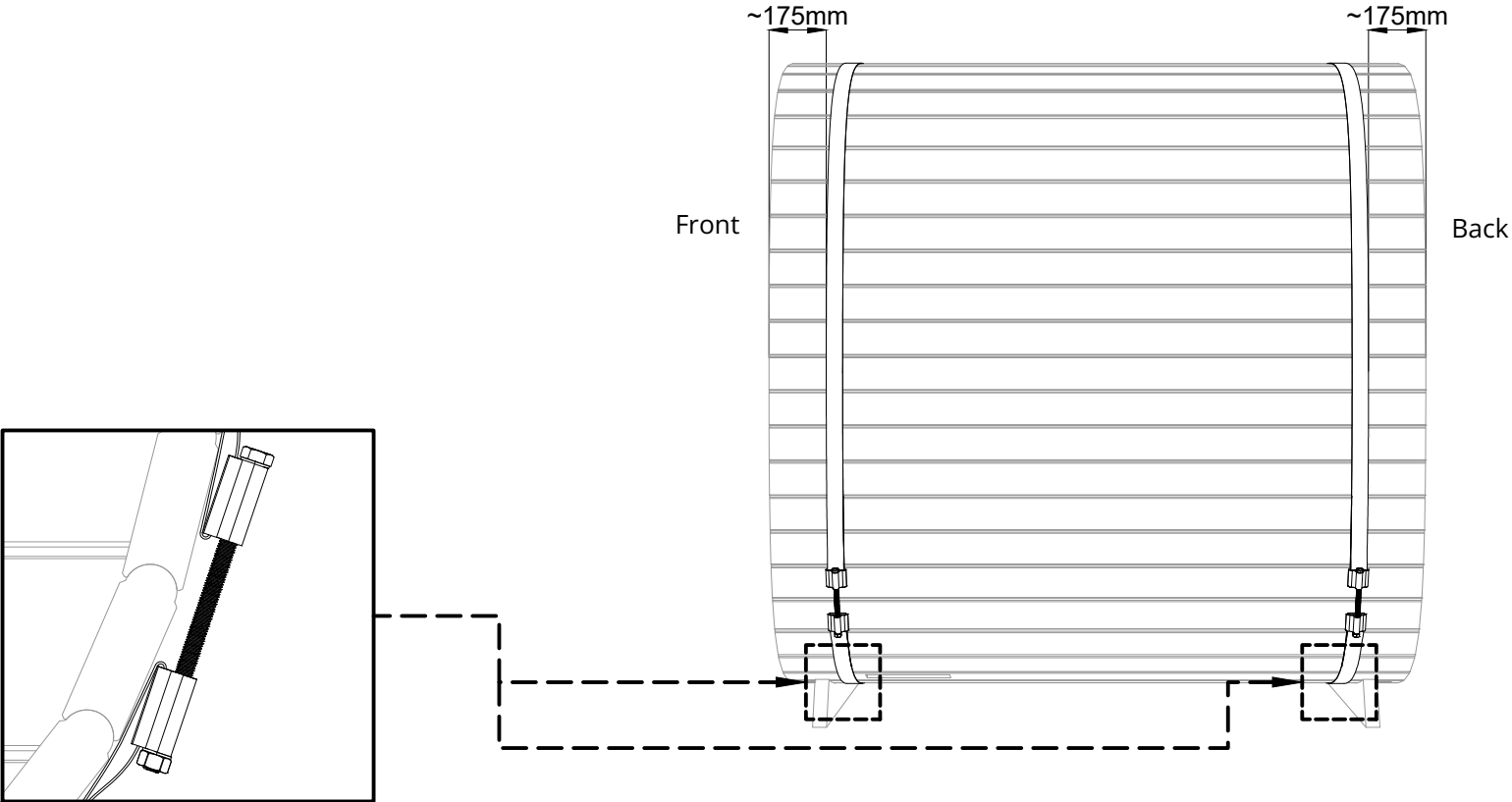





Place the tension bands M1 (Steel band) around the side walls and thread the bands into the eyelet as follows (see sketch above).

Hex nuts and bolts must be tightened as long as the planks are stationary in all directions.

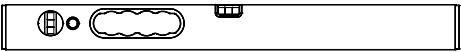
**The tension band and clamps must be placed as shown in the picture below.**



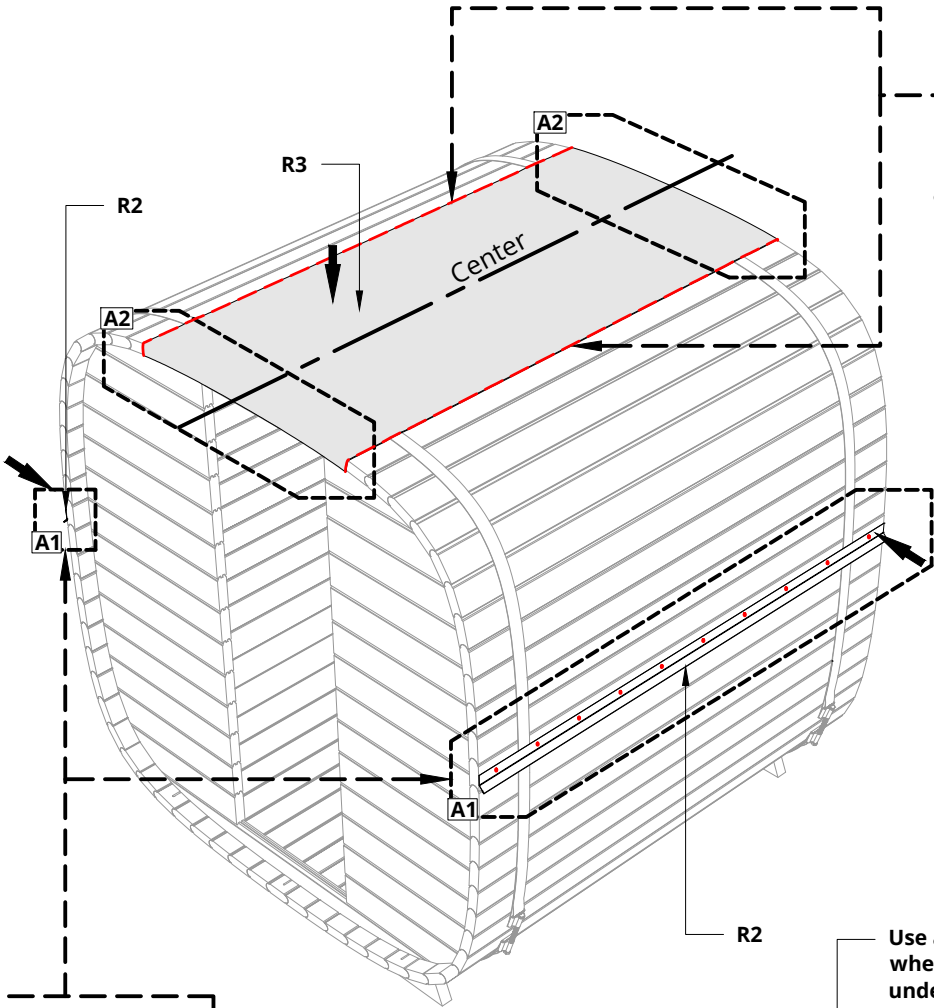
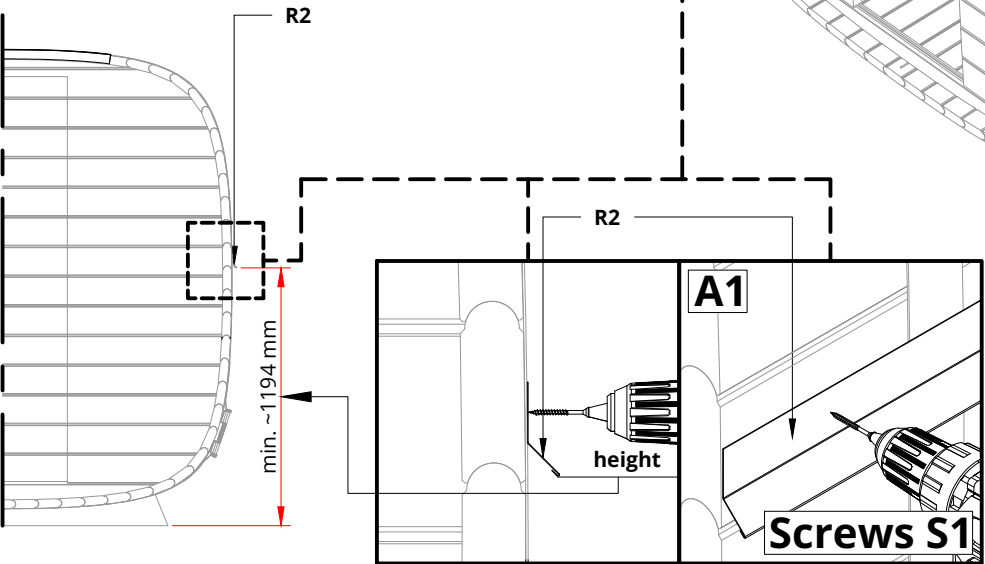


S1	Screws 3x30	~20
R6	Nail 2,5x25	~40
		

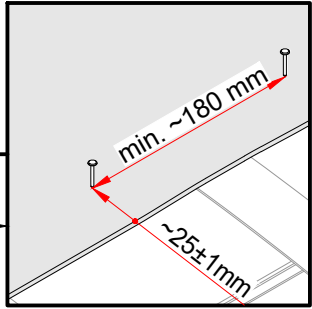
NB! use a level



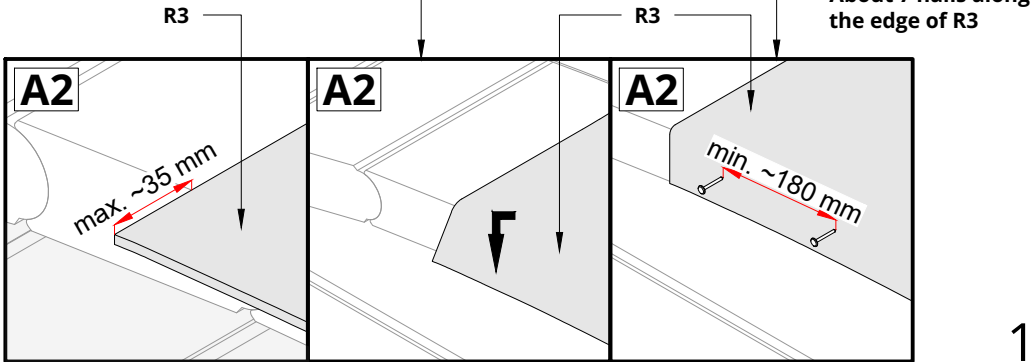
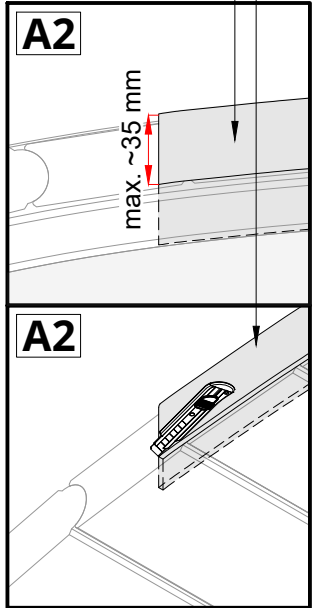
Install the drip edge sheet metal profile on the left and right!  
Install the underlay in the center of the roof!  
The underlay must extend over the front end and back end!  
Fasten the underlay along the long edges!  
Use a heat source when bending the underlay front end and back end!  
Fasten the underlay front end and back end!  
Cut off the ends that extend over the edge!




About 13 nails  
along the edge  
of R3



It is only necessary to cut  
if they extend over the edge!



R6	Nail 2,5x25	~32
		

**Sheets are self-adhesive, for better adhesion use a heat source!**

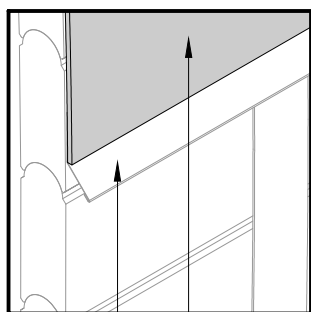
**The base row starts from the front!**

**Cut sheets that extend over the edge! (It is only necessary to cut if they extend over the edge!)**

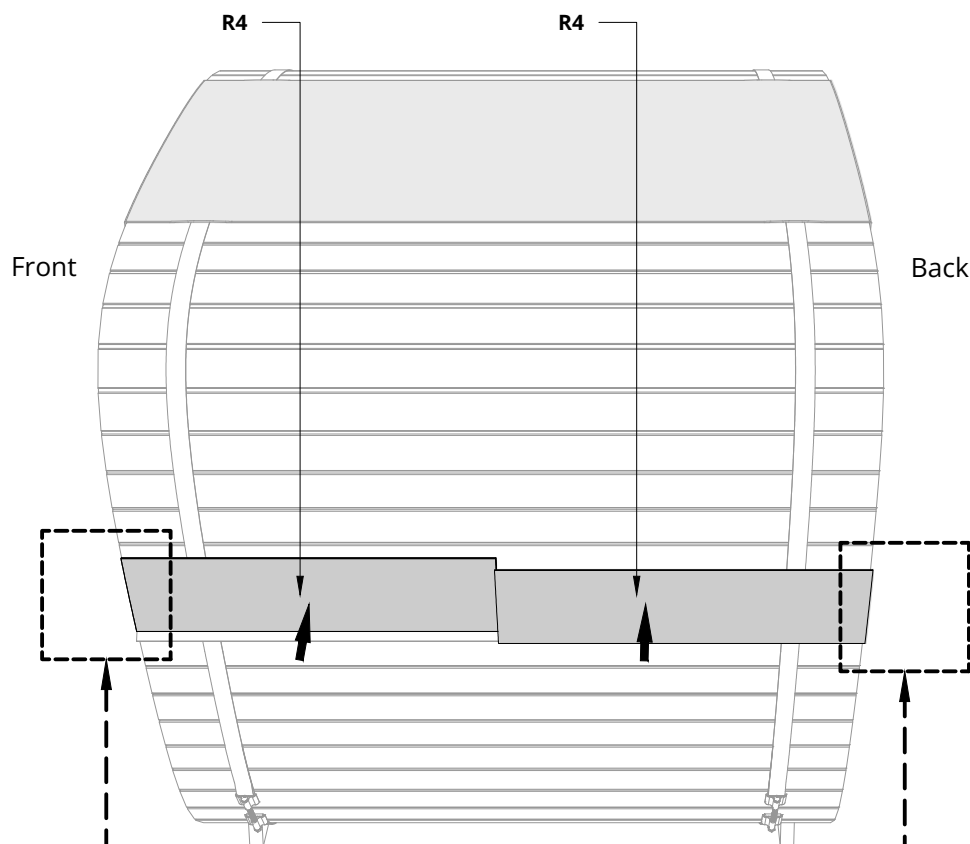
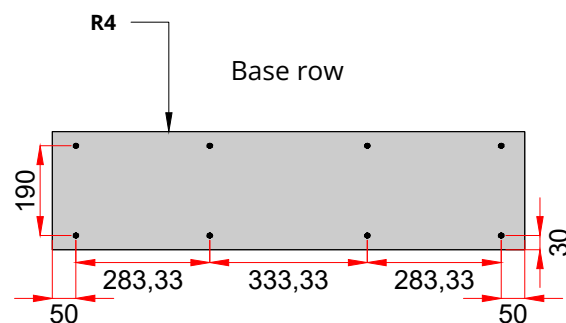
**Suitable leftovers can be used!**

**Repeat these steps on the other side as well!**

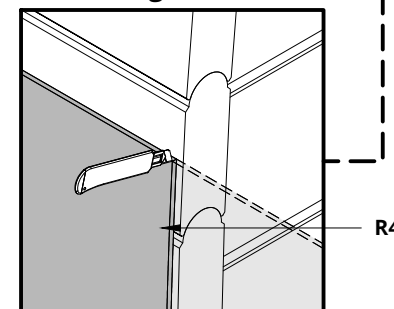
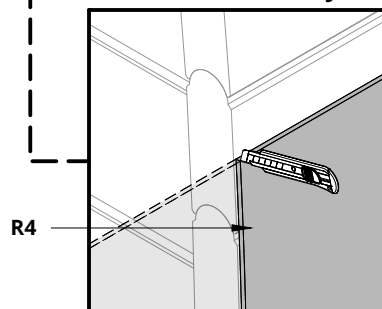
**Recommendation for proper installation are in separate pages.**




R2 R4



**It is only necessary to cut if they extend over the edge!**





R6	Nail 2,5x25	~220
		

**Sheets are self-adhesive, for better adhesion use a heat source!**

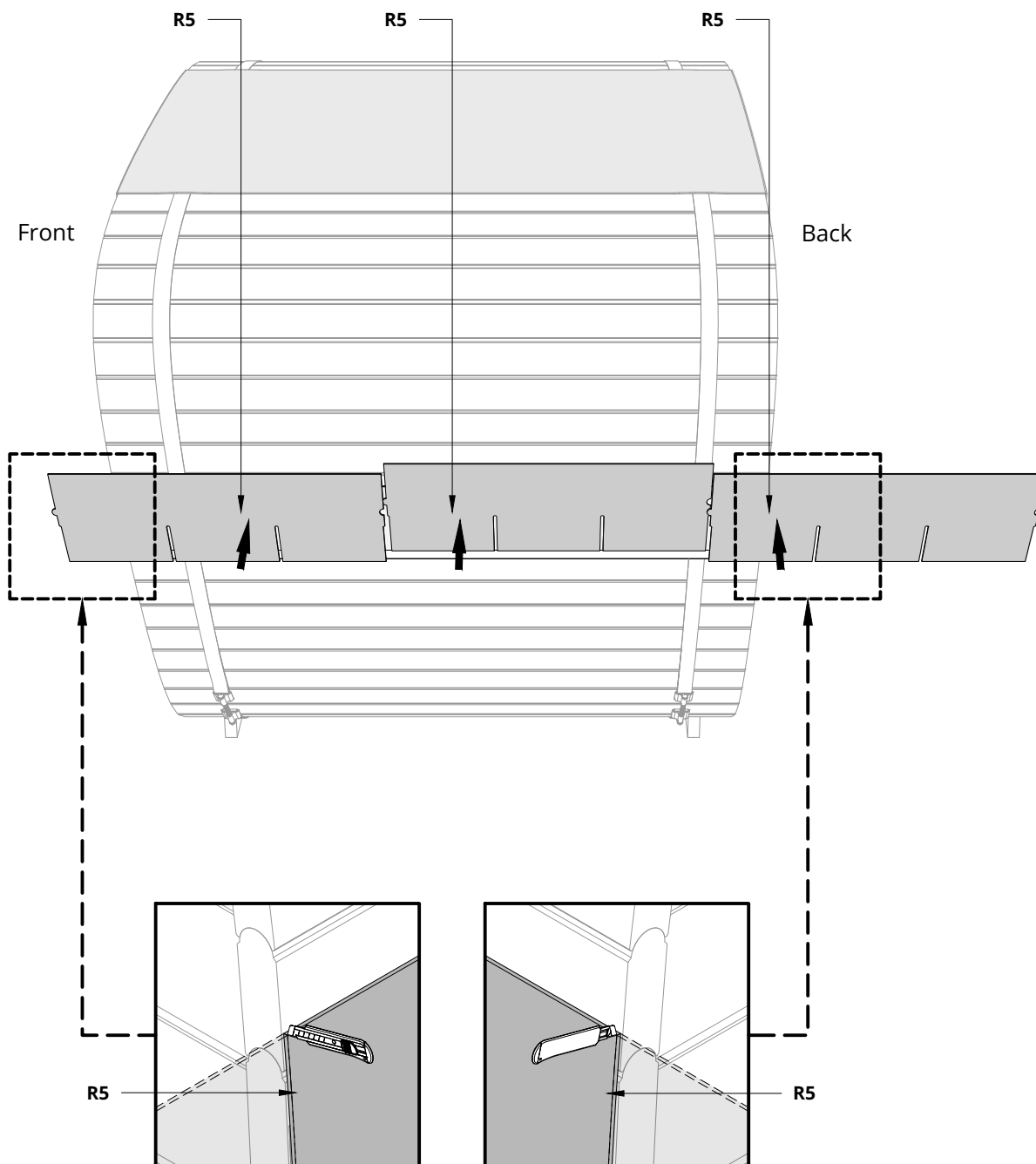
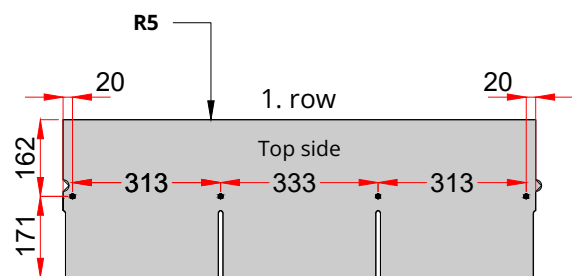
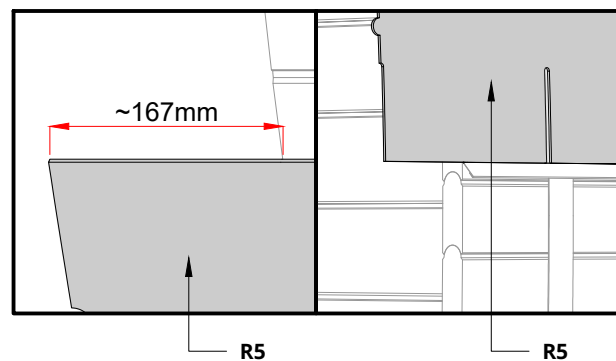
**The 1.row starts at the front and offset!**


**Cut sheets that extend over the edge!**

**Suitable leftovers can be used!**

**Repeat these steps on the other side as well!**

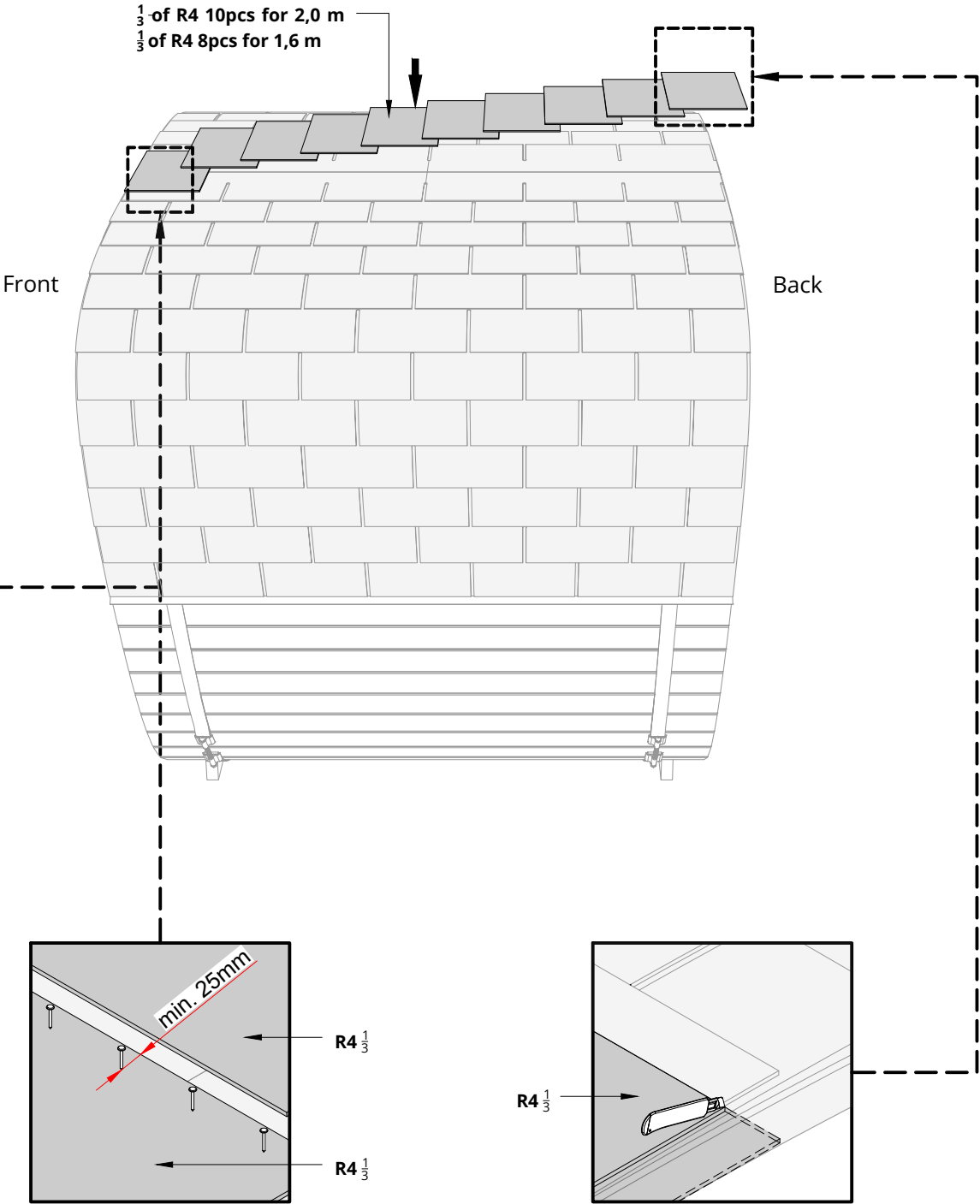
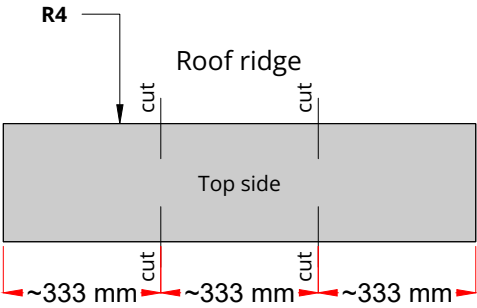
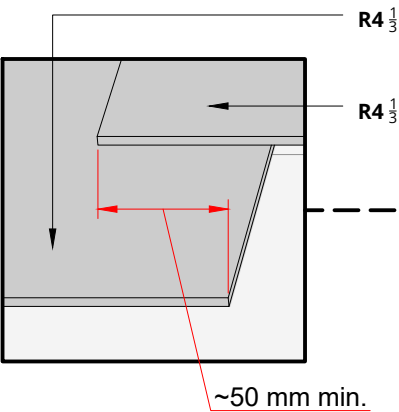
**Recommendation for proper installation are in separate pages.**




R6	Nail 2,5x25	~40
		

Sheets are self-adhesive, for better adhesion use a heat source!  
The roof ridge can be started from the back end of the sauna or from the front end!  
Cut sheets that extend over the edge!

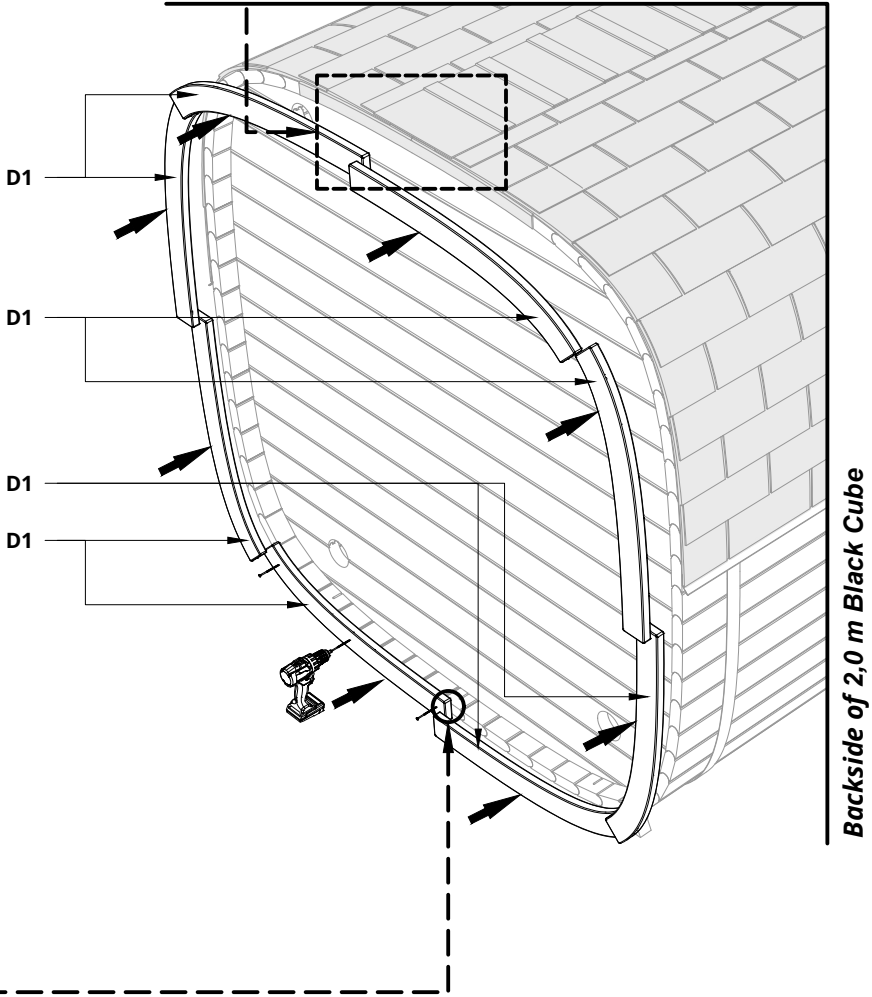
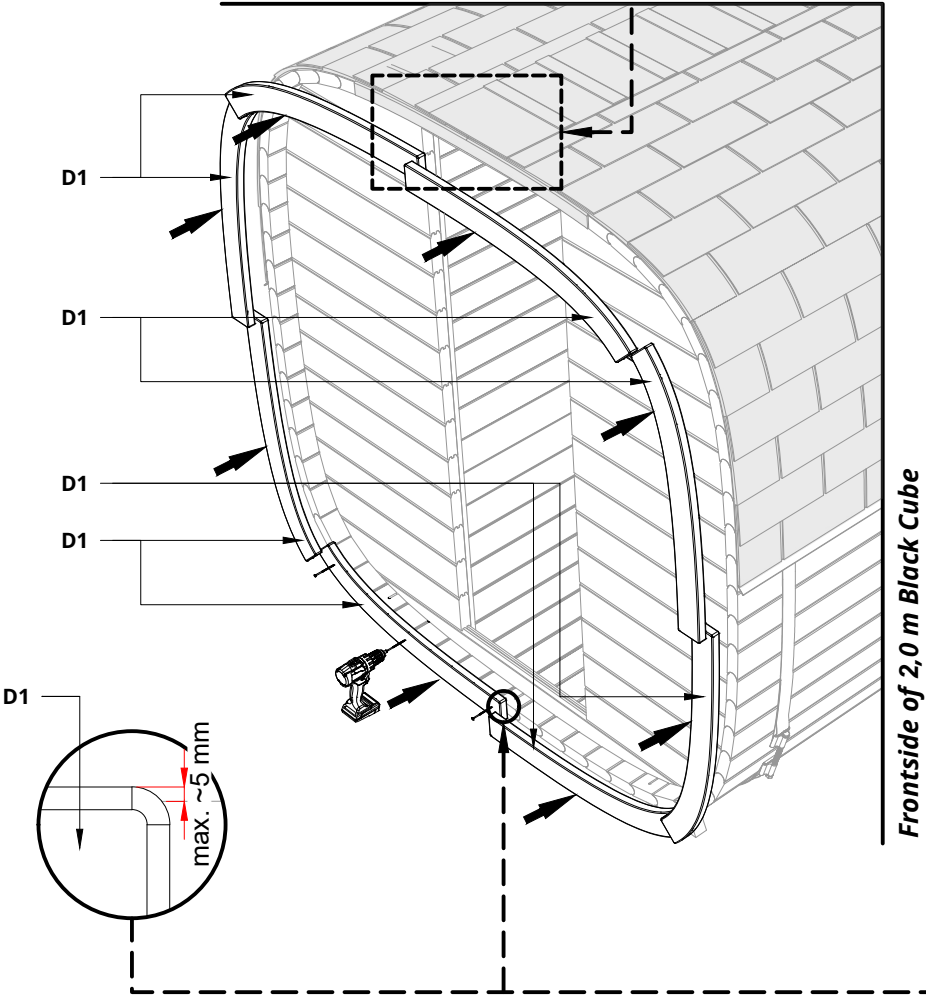
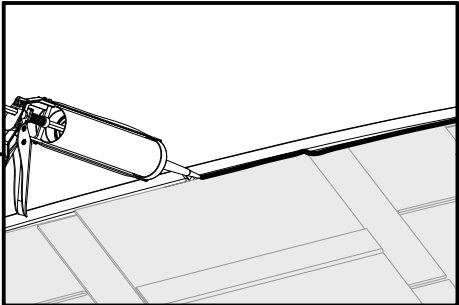
Recommendation for proper installation are in separate pages.




S6.1	Screws 4,5x70 (Black coated)	48
		

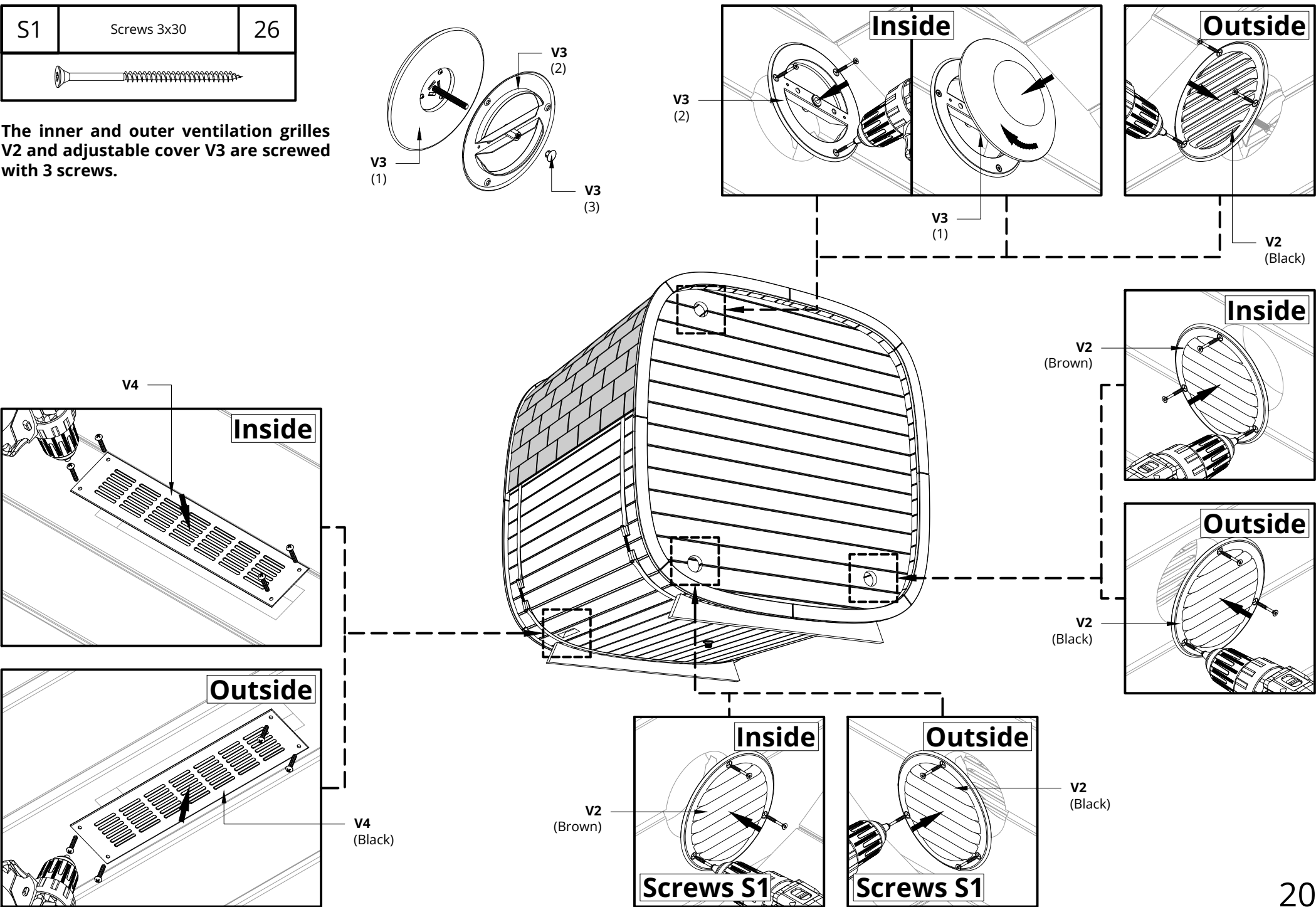
**Please countersink the screw head(s)!**  
**Install the cover boards with 3 screws!**  
**Add glue for the 2 lower cover boards!**  
**Fill the gaps between the bitumen sheets and covering boards in front and back!**


NB! use a level



S1	Screws 3x30	26
		

The inner and outer ventilation grilles V2 and adjustable cover V3 are screwed with 3 screws.

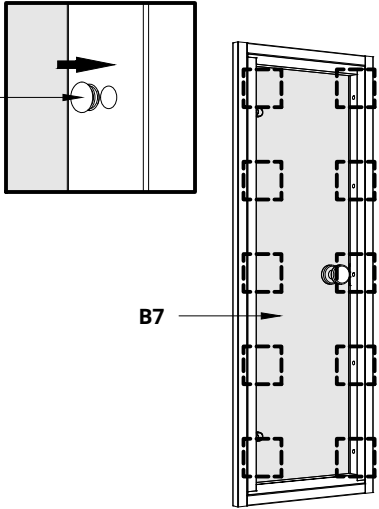


S6.2	Screws 4,2x75	18
S3.2	Screws 4,5x50	14
		

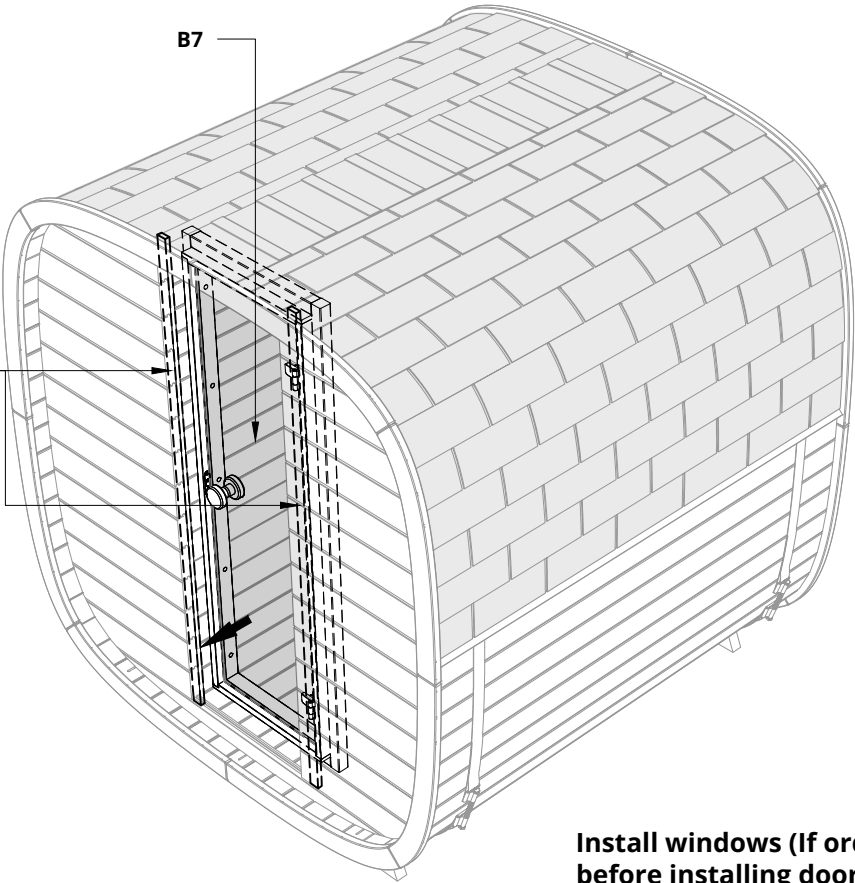
NB! use a level



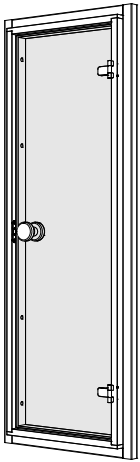
Insert hole cover P if they are not attached!



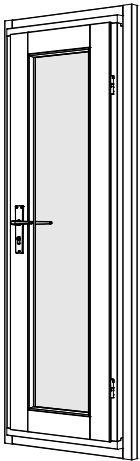
**Please countersink the screw head(s)!**  
**Insert hole cover P if they are not attached!**  
**Remove the front wall connection strips!**  
**Install the door from the inside!**  
**Install windows (If ordered)(Only for woodwall)!**  
**Install door moldings!**



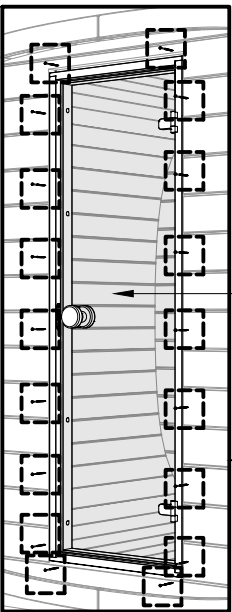
B7 depends on the choice of order



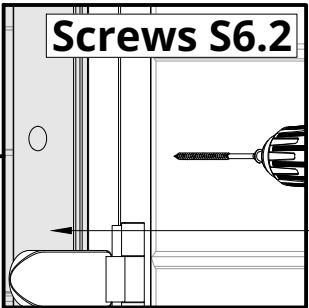
-( Glass door )-



-( Wooden door )-



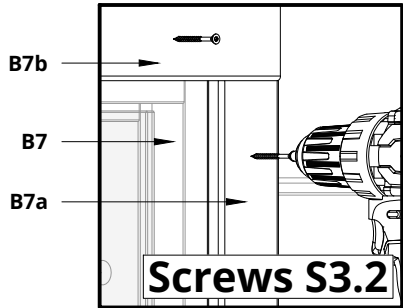
B7



Screws S6.2

B7

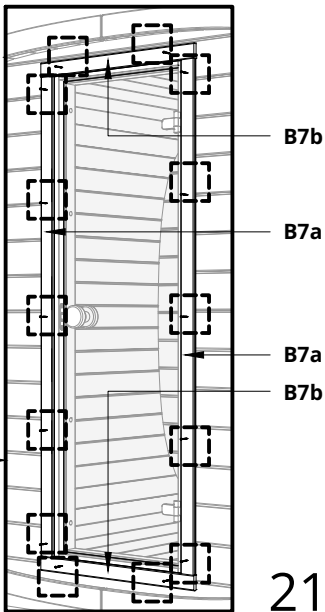
**Install windows (If ordered),  
before installing door moldings!**  
Installation on the pages 22-23




Screws S3.2

**Notice!**

Drill 4mm hole for the screws  
in the door moldings before  
screwing.

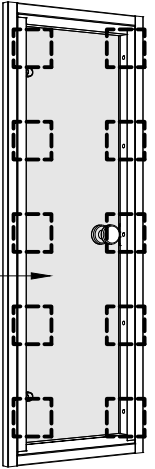
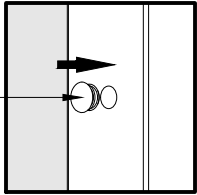


S6.2	Screws 4,2x75	14
S3.2	Screws 4,5x50	14
		

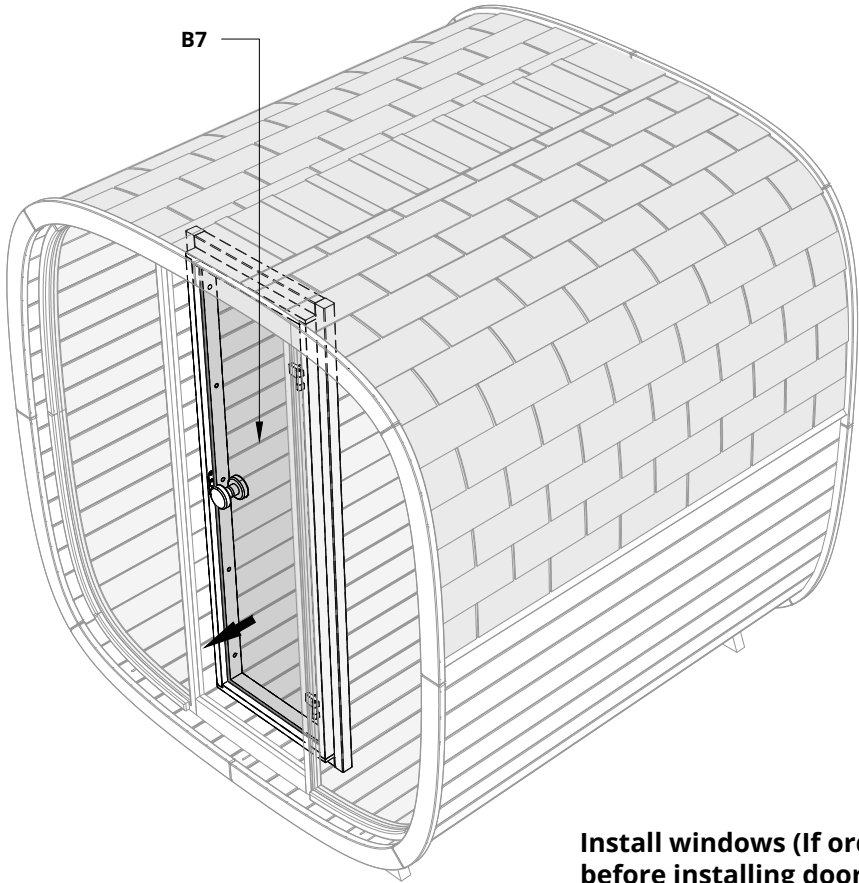
NB! use a level



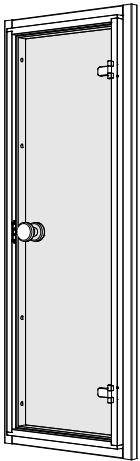
Insert hole cover P if they are not attached!



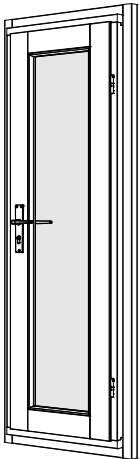
**Please countersink the screw head(s)!**  
**Insert hole cover P if they are not attached!**  
**Door installation for the glass wall!**  
**Install the door from the inside,**  
**Install door moldings!**



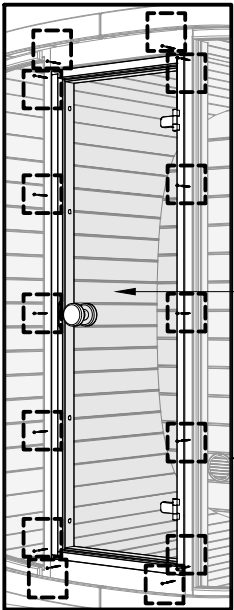
B7 depends on the choice of order



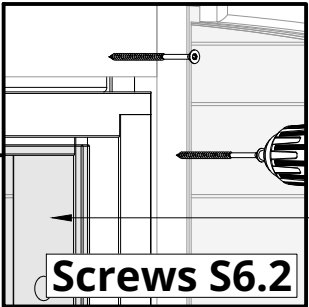
-( Glass door )-



-( Wooden door )-



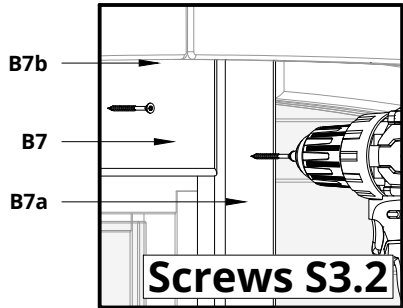
B7



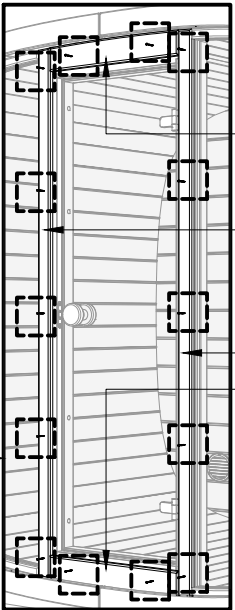
Screws S6.2

B7

Install windows (If ordered),  
before installing door moldings!  
Installation on the pages



Screws S3.2



B7b

B7a

B7a

B7b



# DOOR ADJUSTMENT MANUAL

## 1) Vertical adjustment of the door sash

The hinge on the side of the sash has a height adjustment bolt (fig.1), from which is possible to adjust the distance between the hinges. Turning clockwise, the hinges move further apart, and the door sash moves higher. It must be remembered that all hinges should be equally set at the same height, so as not to burden just one hinge.



**Fig.1** Sash hinge height adjustment bolt

## 2) Horizontal adjustment of the door sash

The horizontal adjustment of the door sash can be done through the hinge on the frame (fig.2). Turning the bolt clockwise moves the sash closer to the hinge, turning counter-clockwise, moves the sash away from the hinge. The door sash should be adjusted so that the frame is at an equal distance from the edge of the frame. When turning the bolt, you should manually support the sash in the same direction so as not to bend the hinge.



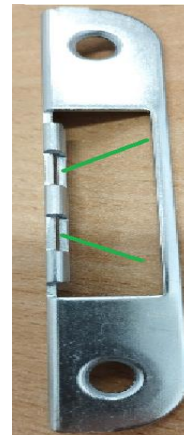
**Fig.2** Frame horizontal direction adjustment bolt

### 3) Adjusting the depth of the door frame

The distance of the door sash to the door frame can be adjusted both by the hinges (fig.3) and by the lock (fig.4). The distance between the sash and the frame can be adjusted by the hinges by turning the bolt in Fig.3 – clockwise, the sash moves closer to the frame, counter-clockwise further. The distance between the door sash and the frame on the lock side can be adjusted by bending the metal “ears” in figure 4 apart with a screwdriver. If necessary, the “ears” can also be bent back with a screwdriver.



**Fig.3** Door sash depth adjustment bolt



**Fig. 4** Depth adjustment points on the lock side

### 4) Door finishing guide

- Clean the door from dust and dirt
- Remove or cover the lock, handles and hinges
- The product to be finished, must be dry and dust-free
- Finish the door with a suitable primer (NB! Finish both sides of the door)
- Finish the door with a substance suitable for outdoor conditions

**Finishing is important so that the door maintains smooth closing and is durable in outdoor conditions.**



# ADJUSTING THE HINGES

- Remove plastic from hinges (first picture). To remove plastic, lift it from the places indicated by the red lines;
- To regulate hinges you need TORX 30 bit and cordless drill;
- Loosen the bolt shown in figure slightly. (DO NOT OPEN COMPLETELY);
- If both hinge bolts are slightly loosened, it is possible to move the glass in the directions shown in the figure;
- If the glass is set to the required distance, the bolts must be tightened again.



## ADJUSTMENT OF THE ROLLER-LOCK

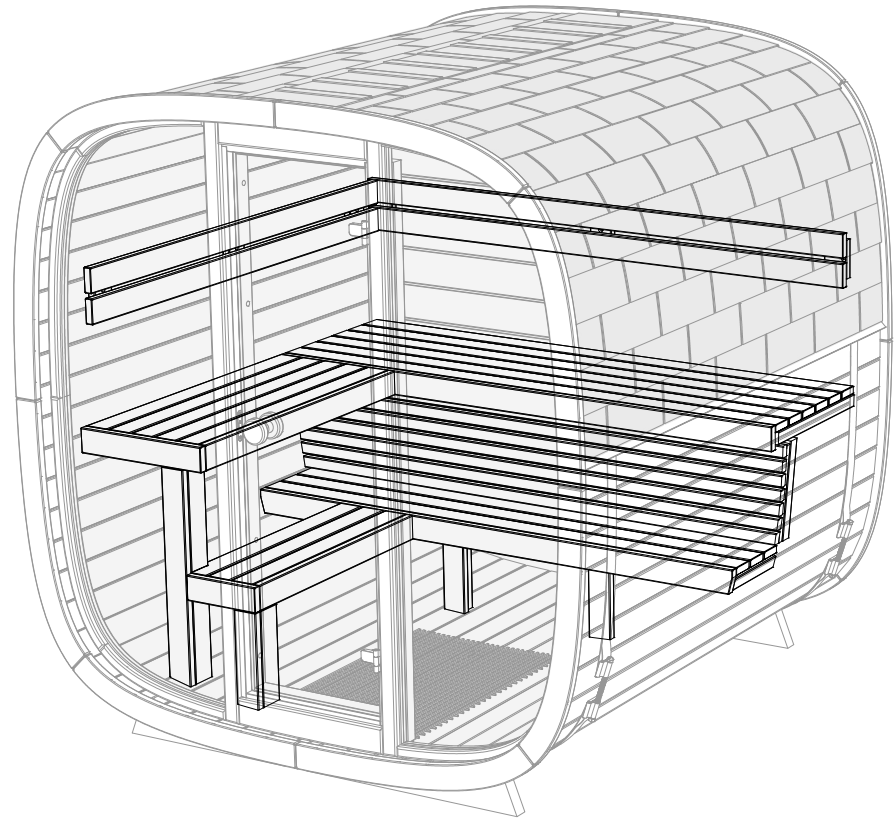
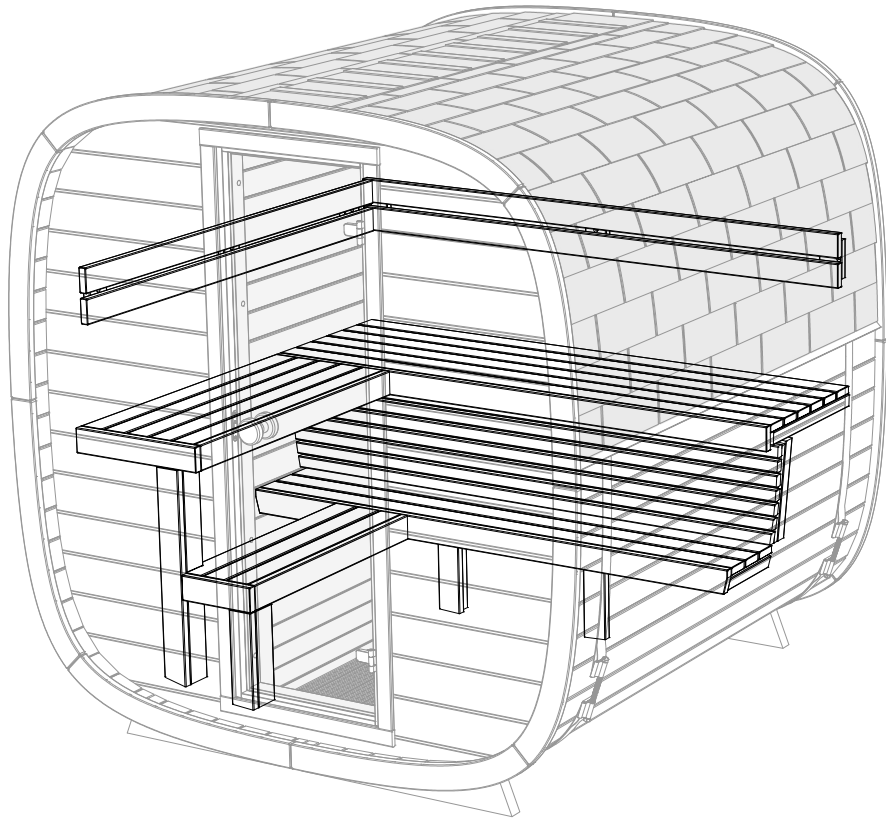
- PH2 screwdriver required;
- The roller lock can be adjusted by turning the screw indicated by the red line;
- Turning clockwise moves the roller inward and turning counter-clockwise moves the roller outward;
- The roller should be adjusted so that the glass moves freely behind the roller without applying force.
- The roller lock adjustable screw must be always on the upper side of the roll, otherwise the door may get stuck.



# Black Cube

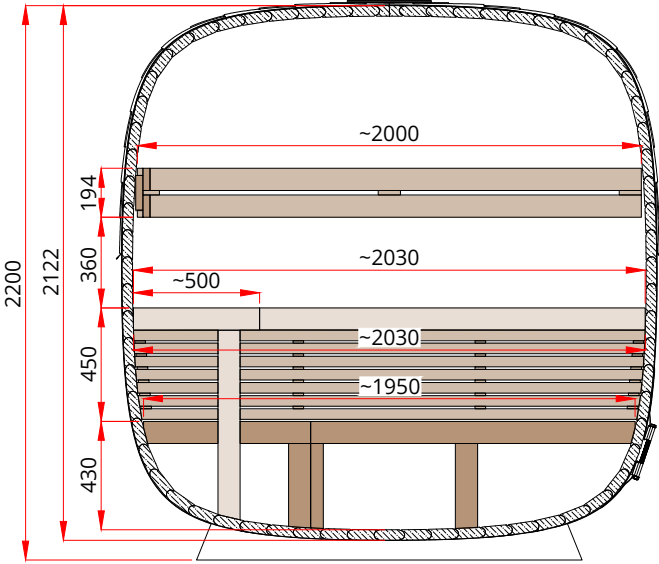
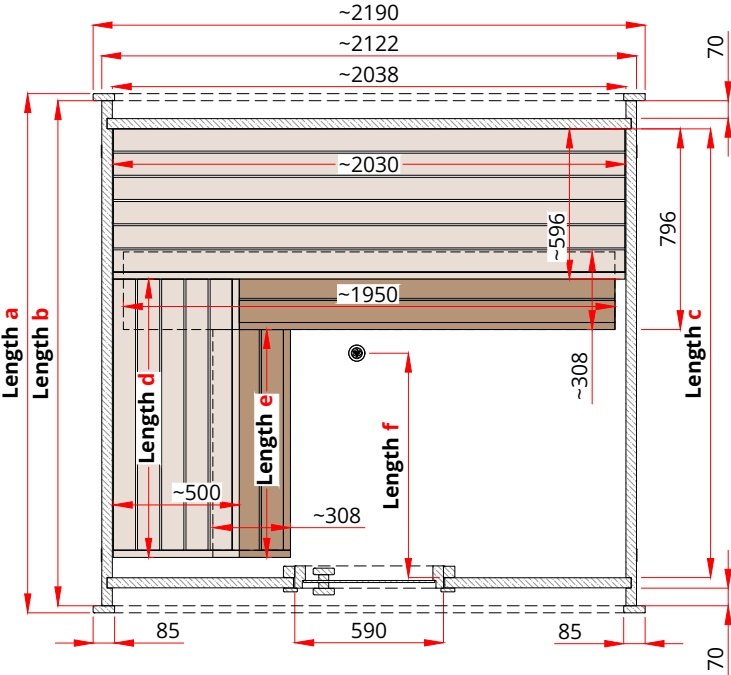
## Bench assembly guide

2,0 m and 1,6 m Compatible with all wall types construction.



*Read the manual and check the parts for completeness before assembly!*





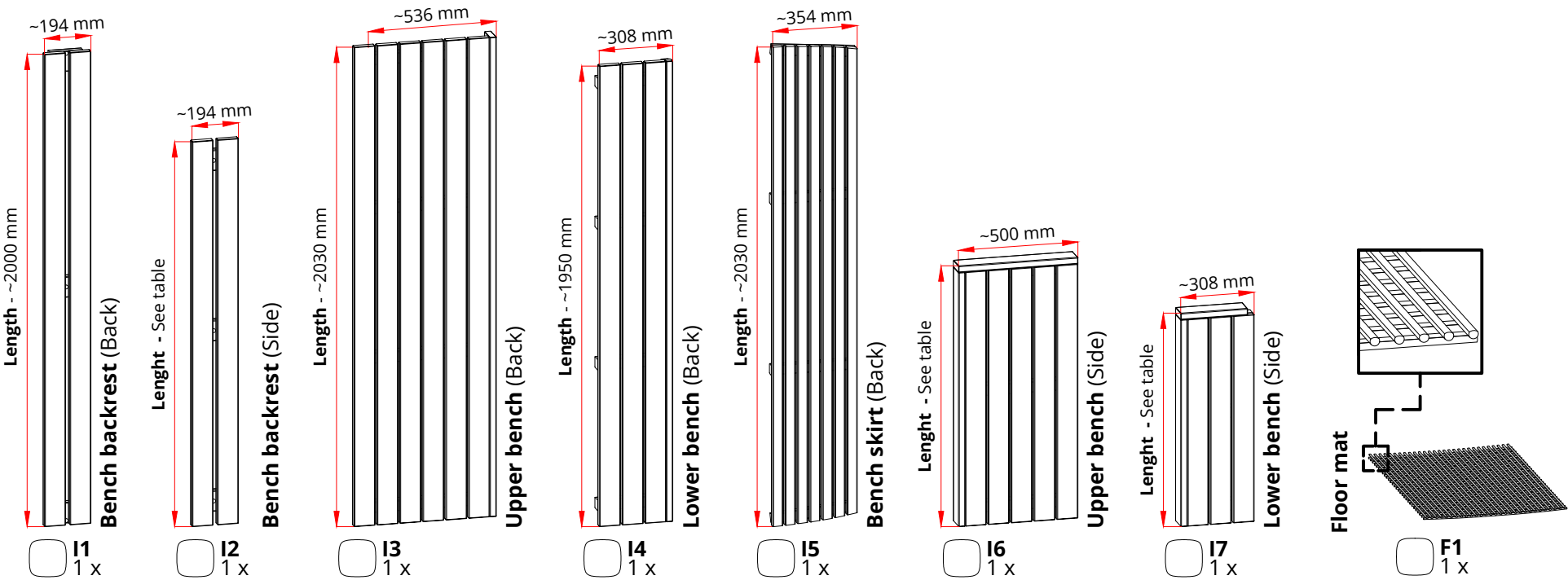
# Black Cube

2,0 m and 1,6 m

Scale 1 : 1

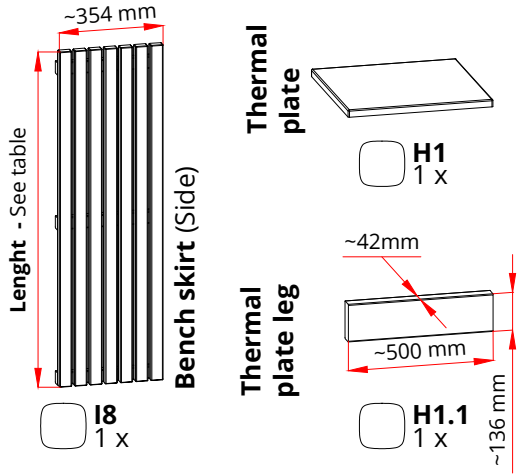
Black Cube	Length - a	Length - b	Length - c	Length - d	Length - e	Length - f
2,0 m	~2060 mm	~2004 mm	~1780 mm	~1104 mm	~904 mm	~890 mm
1,6 m	~1660 mm	~1604 mm	~1380 mm	~704 mm	~504 mm	~690 mm



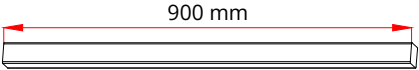
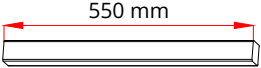
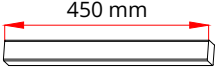
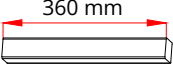
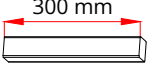
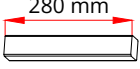



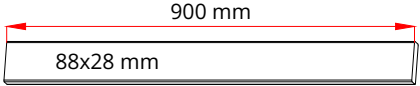
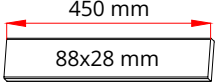
Black Cube	I2 Length	I6 Length	I7 Length	I8 Length
2,0 m	~1630 mm	~1104 mm	~904 mm	~1156 mm
1,6 m	~1230 mm	~704 mm	~504 mm	~756 mm



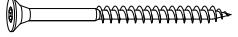
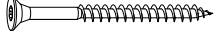
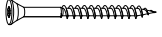
OPTIONAL



Detail list 1


Black Cube		2,0 m and 1,6 m	
Name in manual	K Square woods 45x45mm		
K90		1	<input type="checkbox"/>
K55		2	<input type="checkbox"/>
K45		4	<input type="checkbox"/>
K36		3	<input type="checkbox"/>
K30		1	<input type="checkbox"/>
K28		3	<input type="checkbox"/>
K10		3	<input type="checkbox"/>

Black Cube		2,0 m and 1,6 m	
Name in manual	Cover boards		
D2		1	<input type="checkbox"/>
D3		6	<input type="checkbox"/>

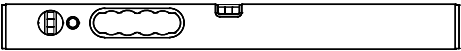
Name in manual	Screws (Scale 1:2)/ Screw size	Qty.	
S7	 Screws 4,5x80 for Spruce	40	<input type="checkbox"/>
	 Screws 4,2x75 for Thermo		
S5	 Screws 4,5x60 for Spruce	50	<input type="checkbox"/>
	 Screws 4,2x55 for Thermo		
S2	 Screws 3x40	5	<input type="checkbox"/>

Detail list 2



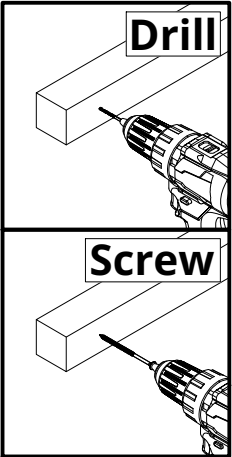
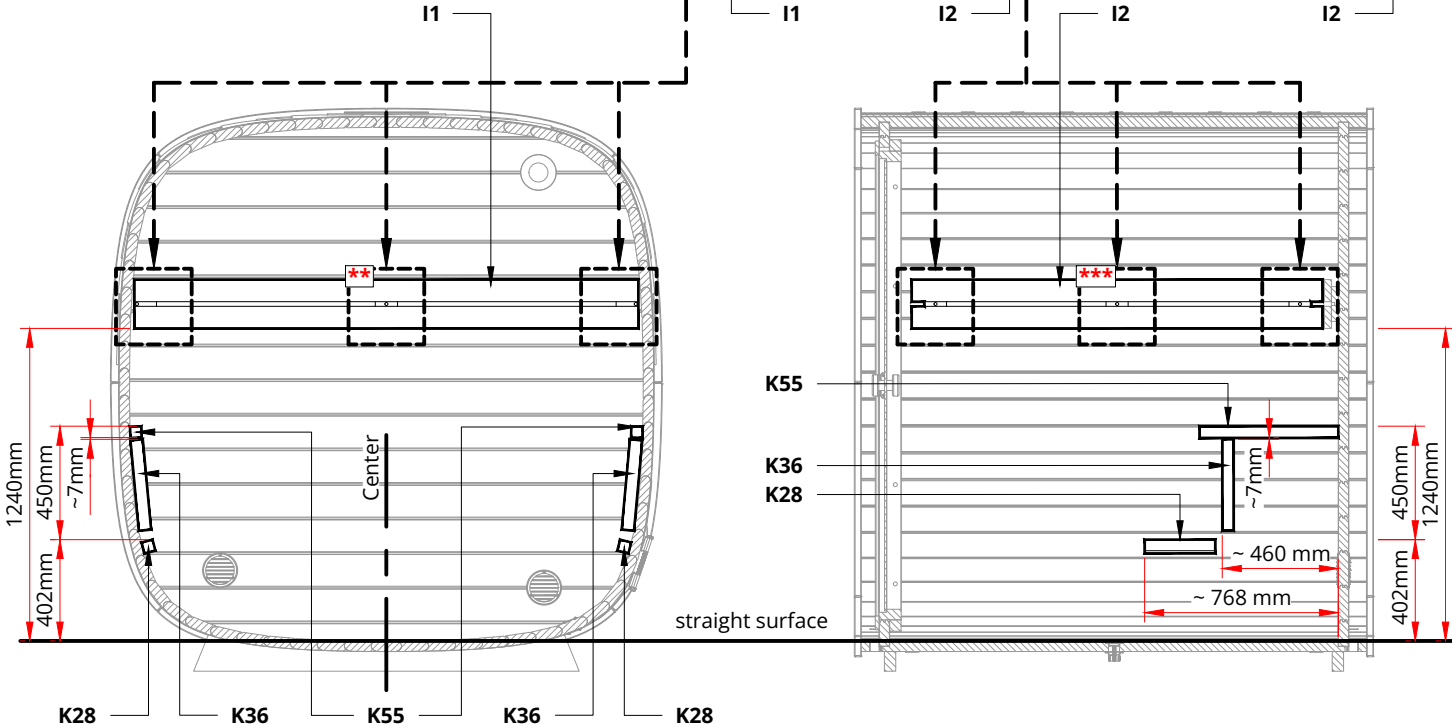
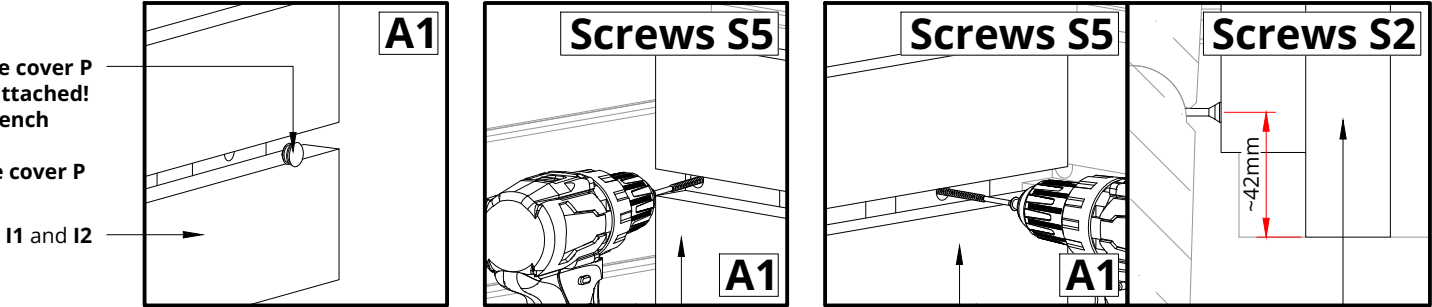
S2	Screws 3x40	3
S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	6
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	12
		

NB! use a level

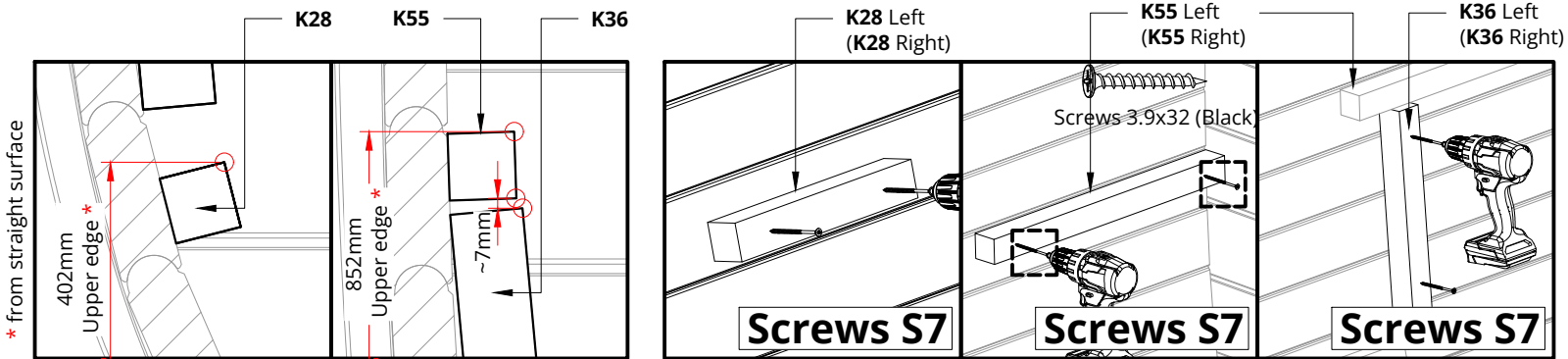



**\*\* Only use screws if the wall is not a panoramic wall!**  
**\*\*\* Only for 2,0 m Black Cube !**  
**Please countersink the screw head(s)!**  
**Height measurements are measured from a straight surface!**  
**Install the bench backrests I1 and I2!**  
**Install square woods for benches!**  
**Use glue between the square wood and the wall!**

1. Remove hole cover P if they are attached!
2. Screw the bench backrest
3. Put the hole cover P back

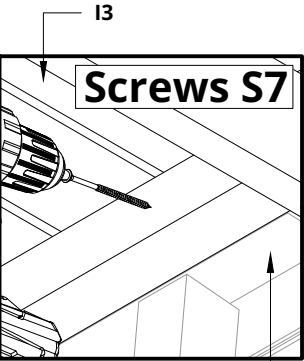


**Notice!**  
Drill 4mm hole in the K.. square woods before screwing.

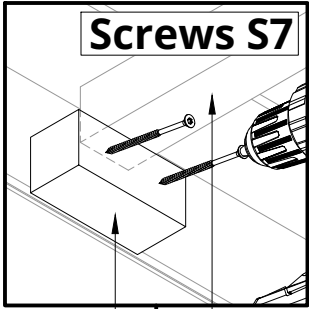


S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	12
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	12
		

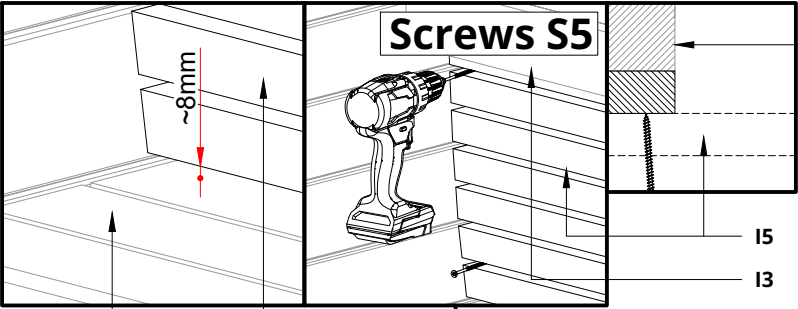
**Please countersink the screw head(s)!**  
**Install the bench I3 and square wood K10!**  
**Use glue between the square wood and the wall (only K10 square wood)!**  
**Install the bench I4, legs K45 and the legs cover boards D3!**  
**Install benches skirt I5!**



K55 Left  
(K55 Right)

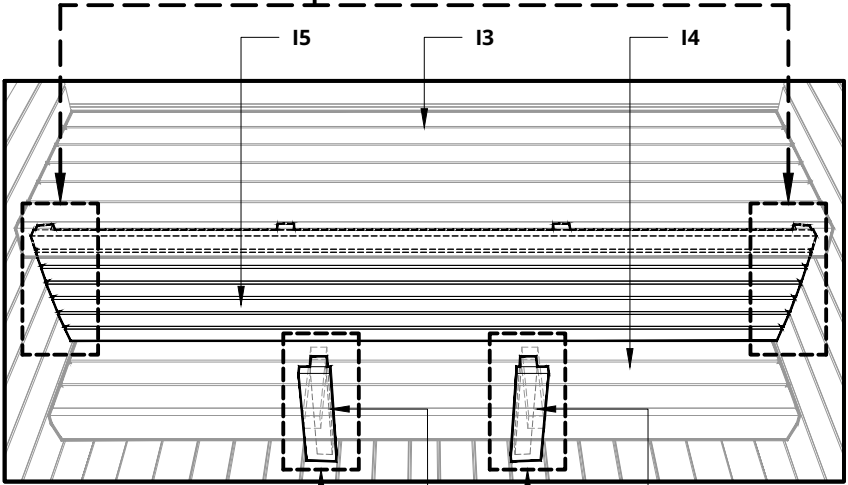
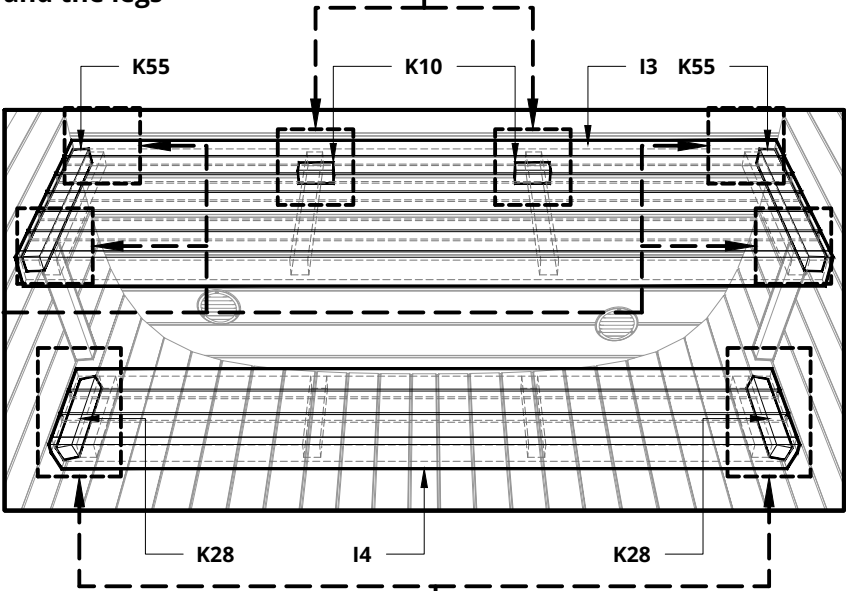


K10 I3



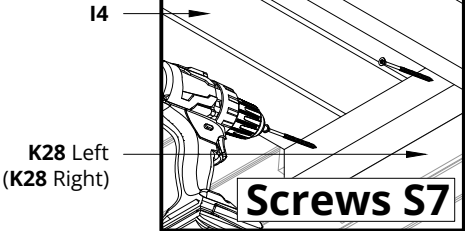
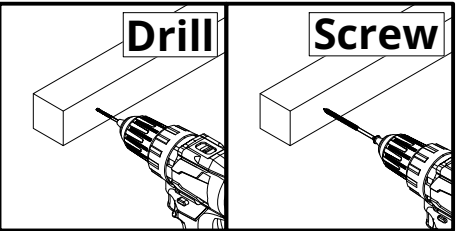
K36 Left  
(K36 Right)

I4 I5



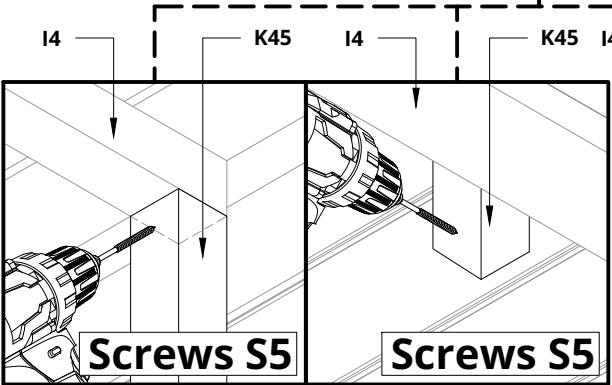
K45 and D3

**Notice!**  
Drill 4mm hole in the K.. square woods before screwing.



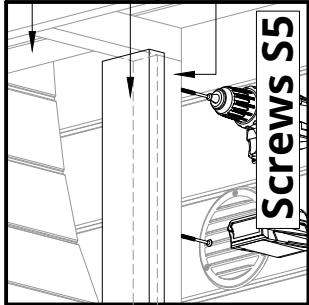
K28 Left  
(K28 Right)

Screws S7




Screws S5

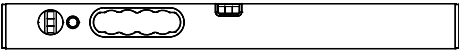
Screws S5



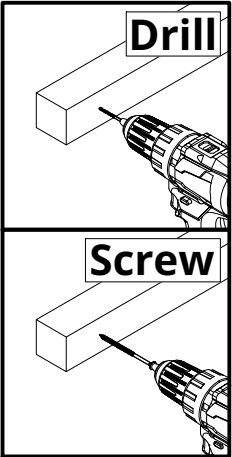
Screws S5

S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	4
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	2
		

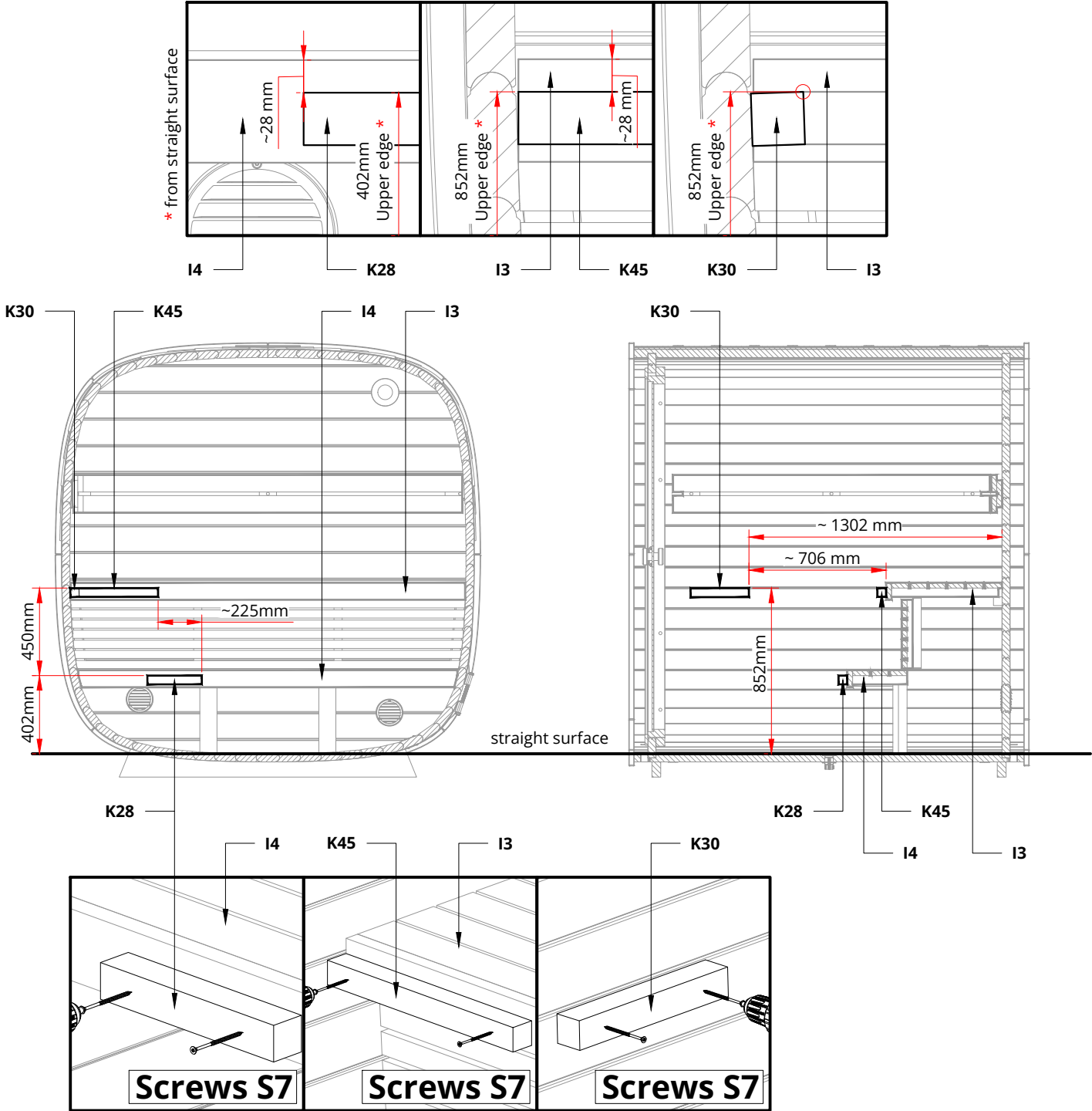
NB! use a level




**Please countersink the screw head(s)!**  
**Height measurements are measured from a straight surface!**  
**Install square woods for benches!**  
**Use glue between the square wood and the wall!**

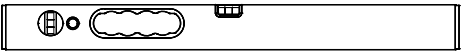


**Notice!**  
Drill 4mm hole in the K.. square woods before screwing.

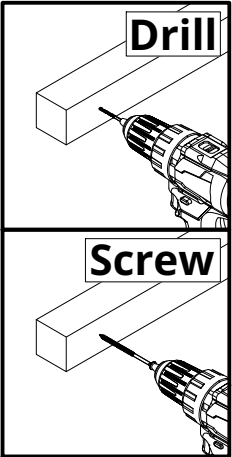


S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	6
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	4
		

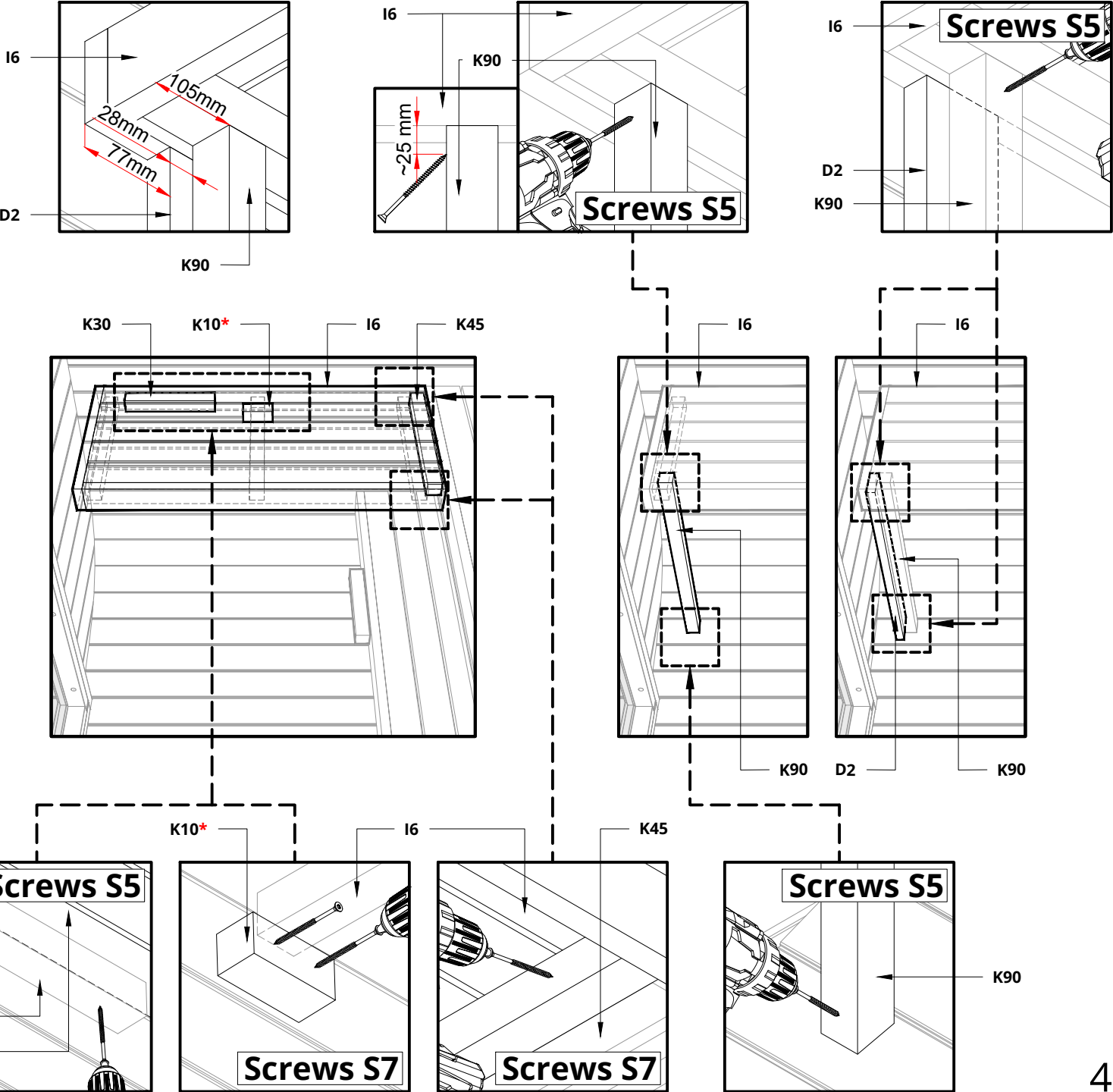
NB! use a level




**\* Only for 2,0 m Black Cube!**  
**Please countersink the screw head(s)!**  
**The square wood K90 and cover board D2 are longer, they must be cut to the correct size!**  
**Install the bench I6 and some aids to keep the bench level!**  
**Install square woods K10 for bench!**  
**Use glue between the square wood and the wall (only K10 square wood)!**  
**Install the bench leg K90 and the leg cover board D2!**

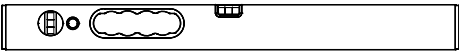


**Notice!**  
Drill 4mm hole in the K.. square woods before screwing.

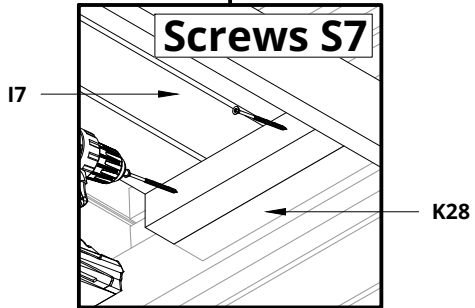
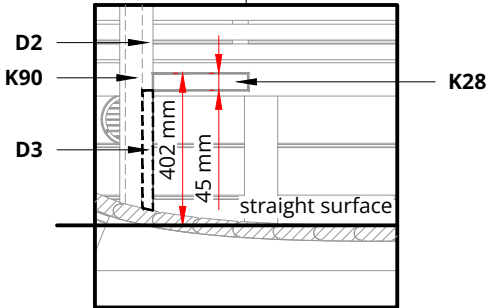
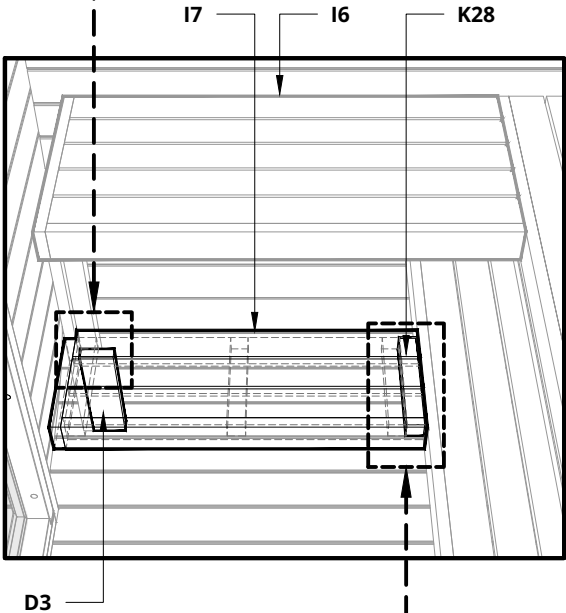
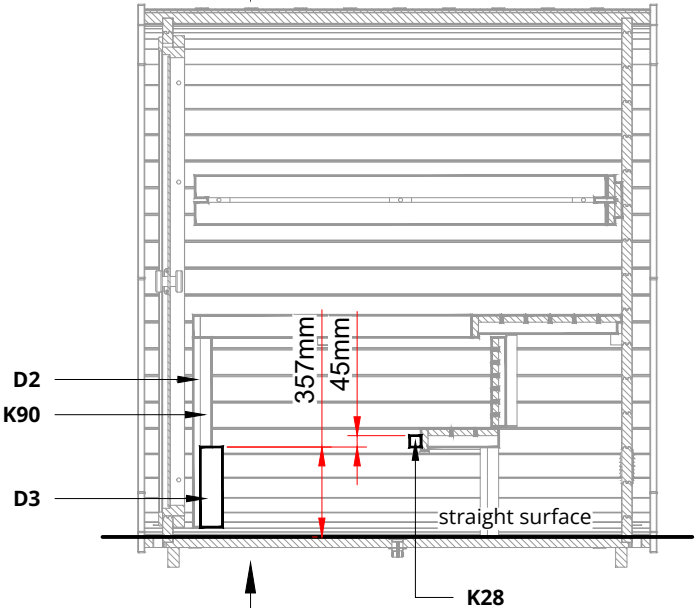
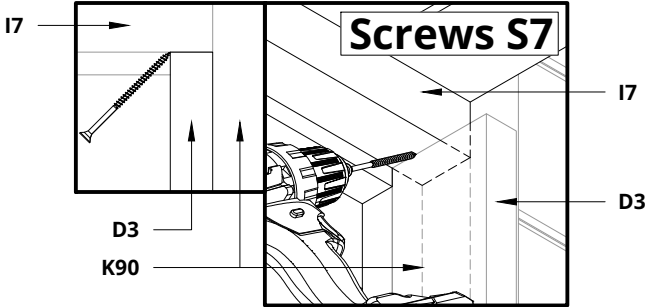
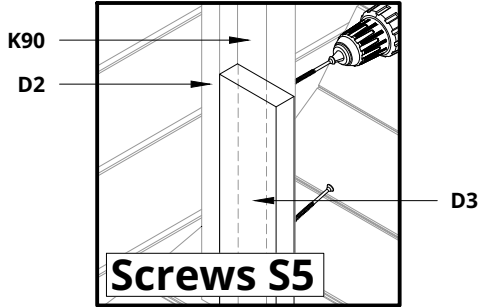



S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	2
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	3
		

NB! use a level

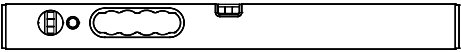


**Please countersink the screw head(s)!**  
**Height measurements are measured from a straight surface!**  
**The cover board D3 is longer, it must be cut to the correct size!**  
**Install the bench leg cover board D3!**  
**Install the bench I7 and some aids to keep the bench level!**



S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	8
		

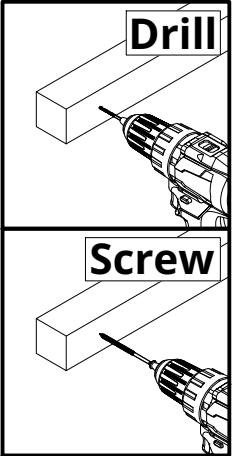
NB! use a level



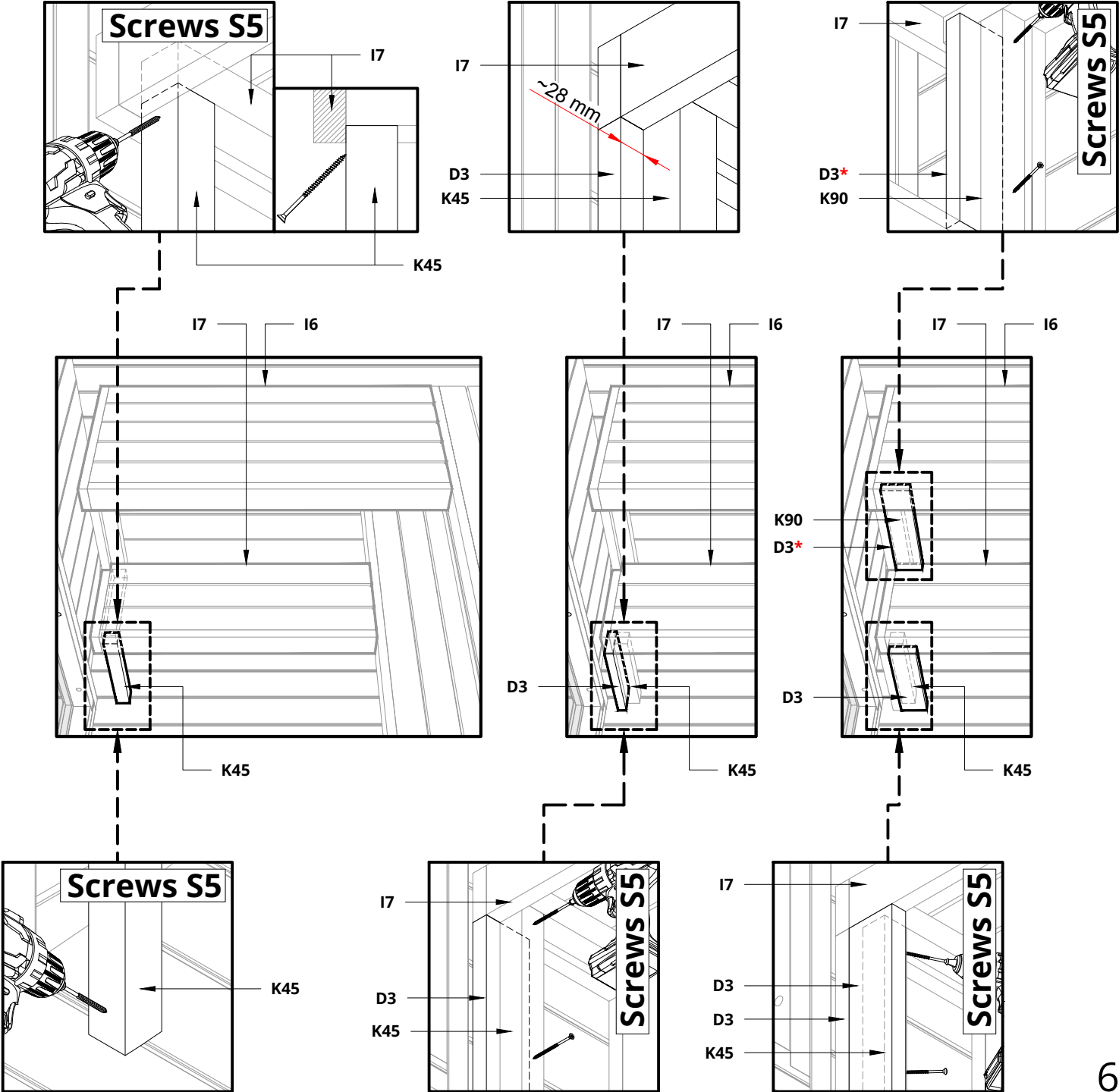
**Please countersink the screw head(s)!**  
**The square wood K45 and cover boards D3 are longer, they must be cut to the correct size!**

Install the bench leg K45 and the leg cover boards D3 and D4!


**\* If a bench skirt has been ordered, skip D3 installation and continue on the next page!**



**Notice!**  
Drill 4mm hole in the K.. square woods before screwing.



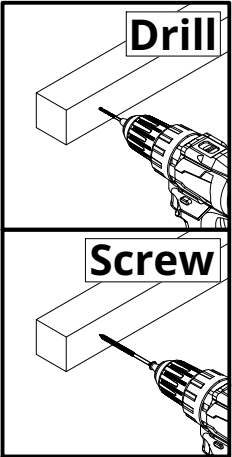
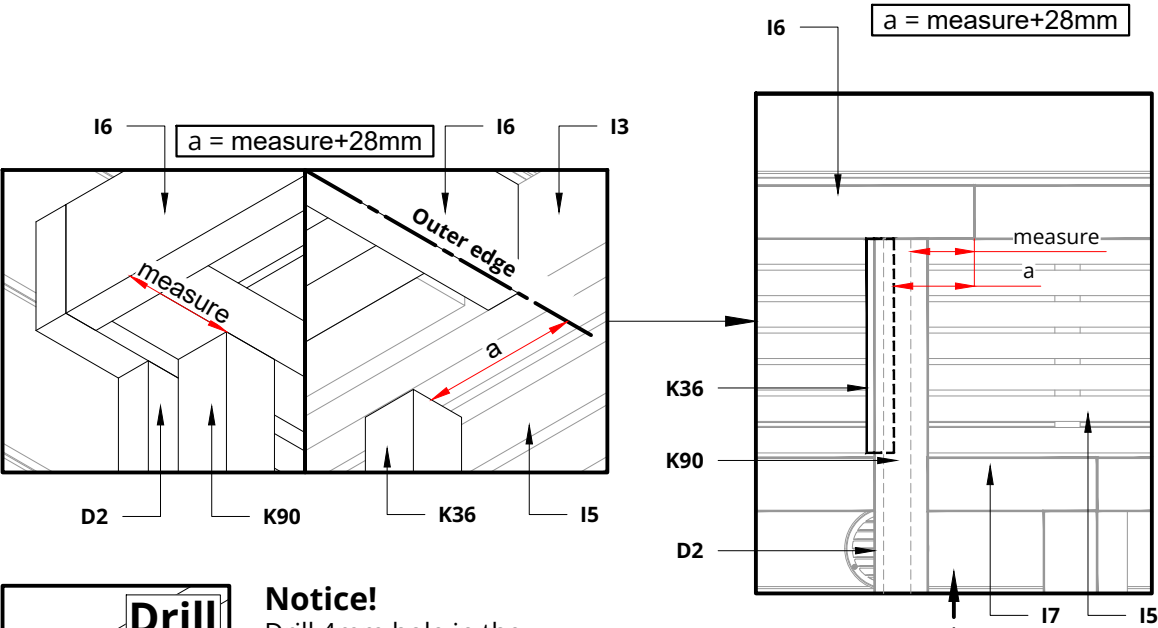


S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	6
		

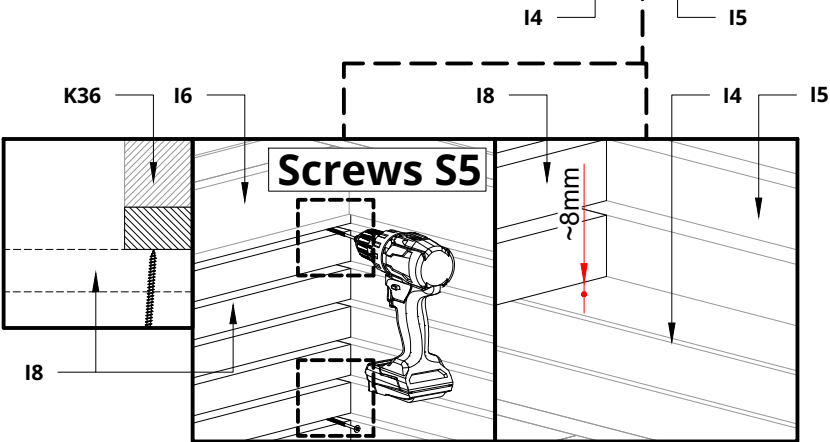
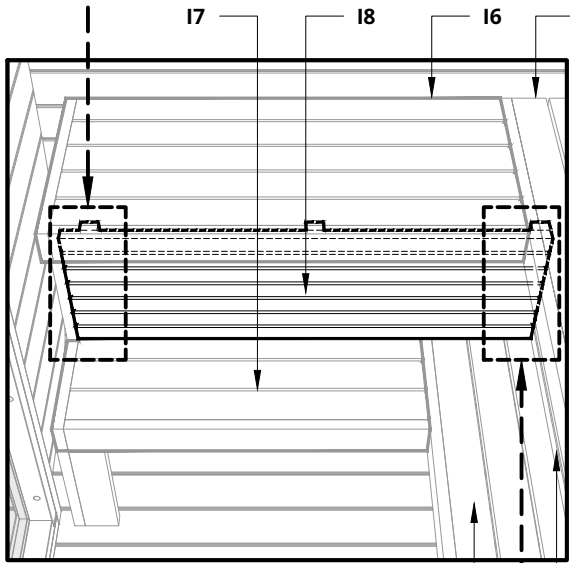
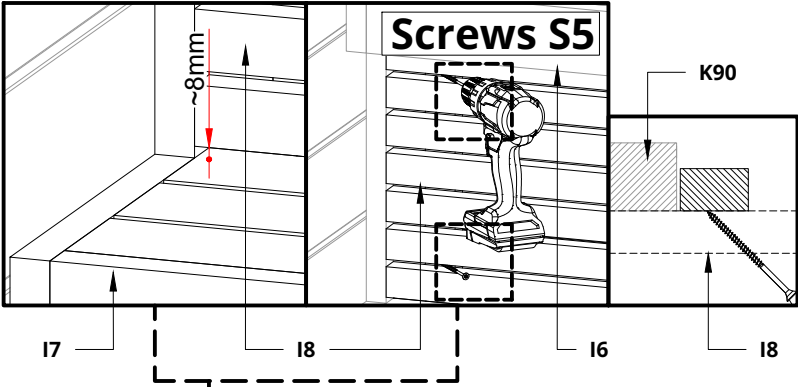
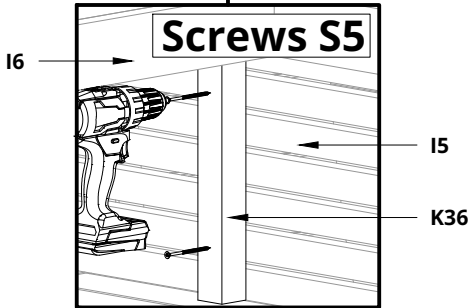
NB! use a level



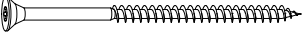
(Optional)  
*Please countersink the screw head(s)!*  
First measure and mark the distance  
for K36!  
Install square woods K36 and bench  
skirt I8!



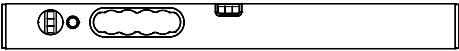
**Notice!**  
Drill 4mm hole in the  
K.. square woods before  
screwing.





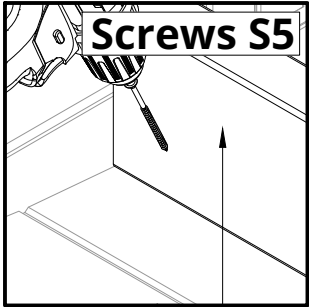
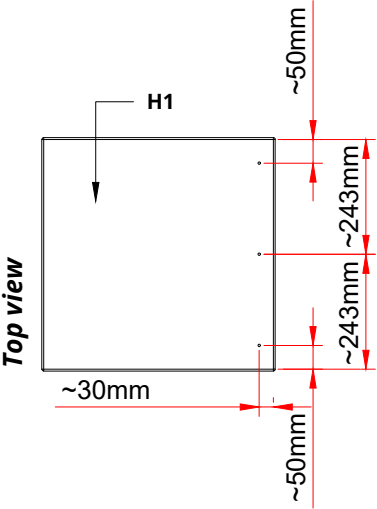
S5	Screws 4,5x60 for Spruce Screws 4,2x55 for Thermo	3
S7	Screws 4,5x80 for Spruce Screws 4,2x75 for Thermo	3
		

NB! use a level

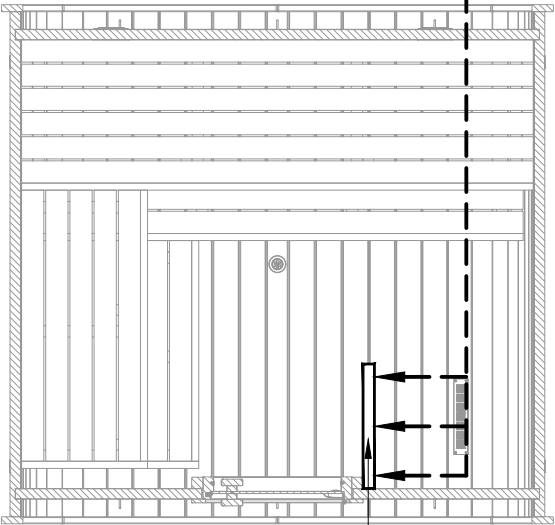


(Optional)  
*These steps are applicable to thermal protection plate if it is ordered*

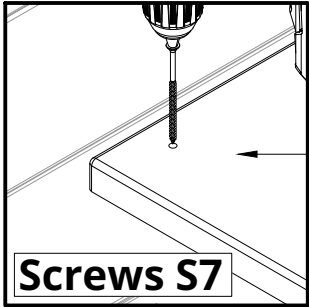
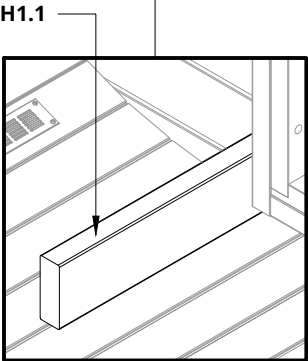
Install the leg H1.1 of the thermal protection plate H1!  
Drill 5 mm holes in the thermal protection plate H1 and install it!  
(The hole locations are shown in picture.)



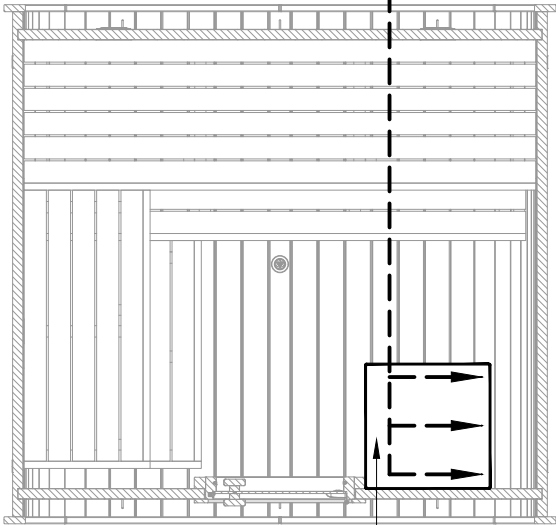
H1.1



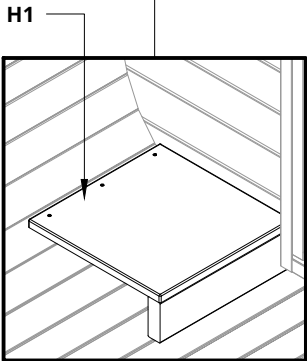
H1.1



H1



H1



Place the floor mat F1!

