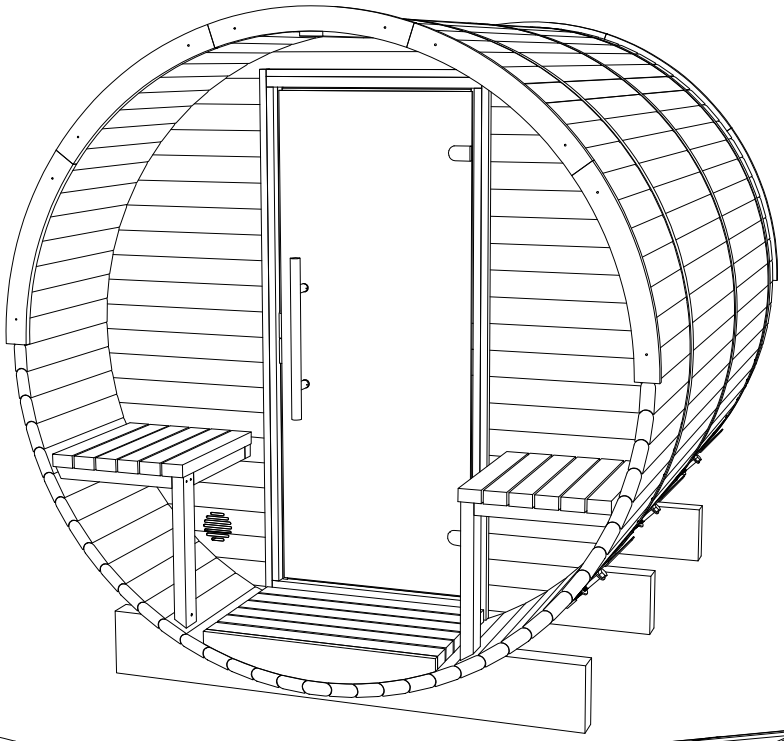
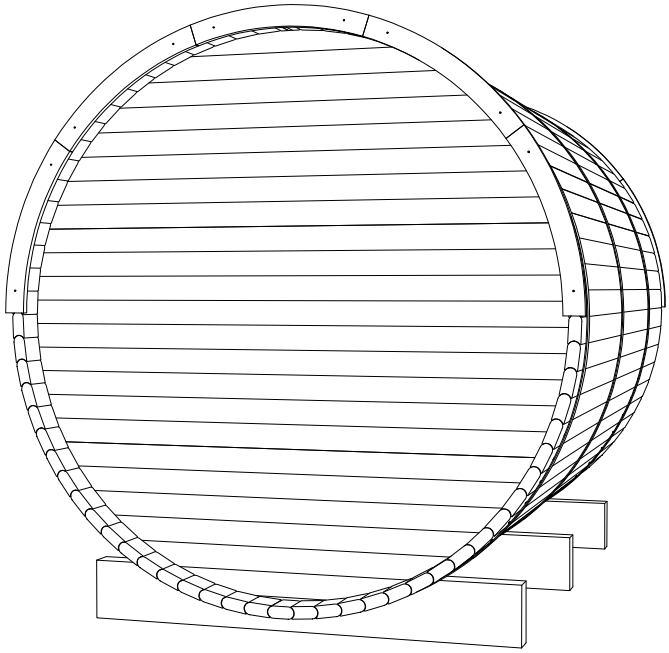
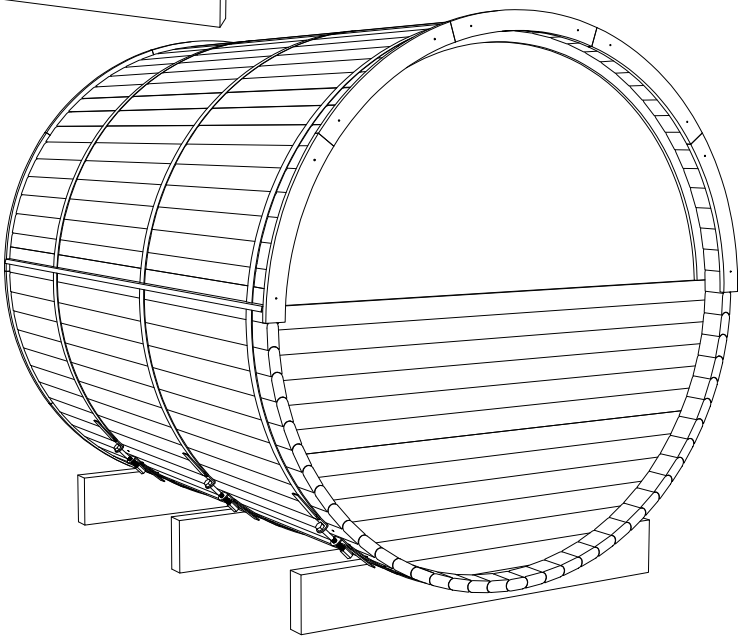
BARREL SAUNA
ASSEMBLY INSTRUCTIONS







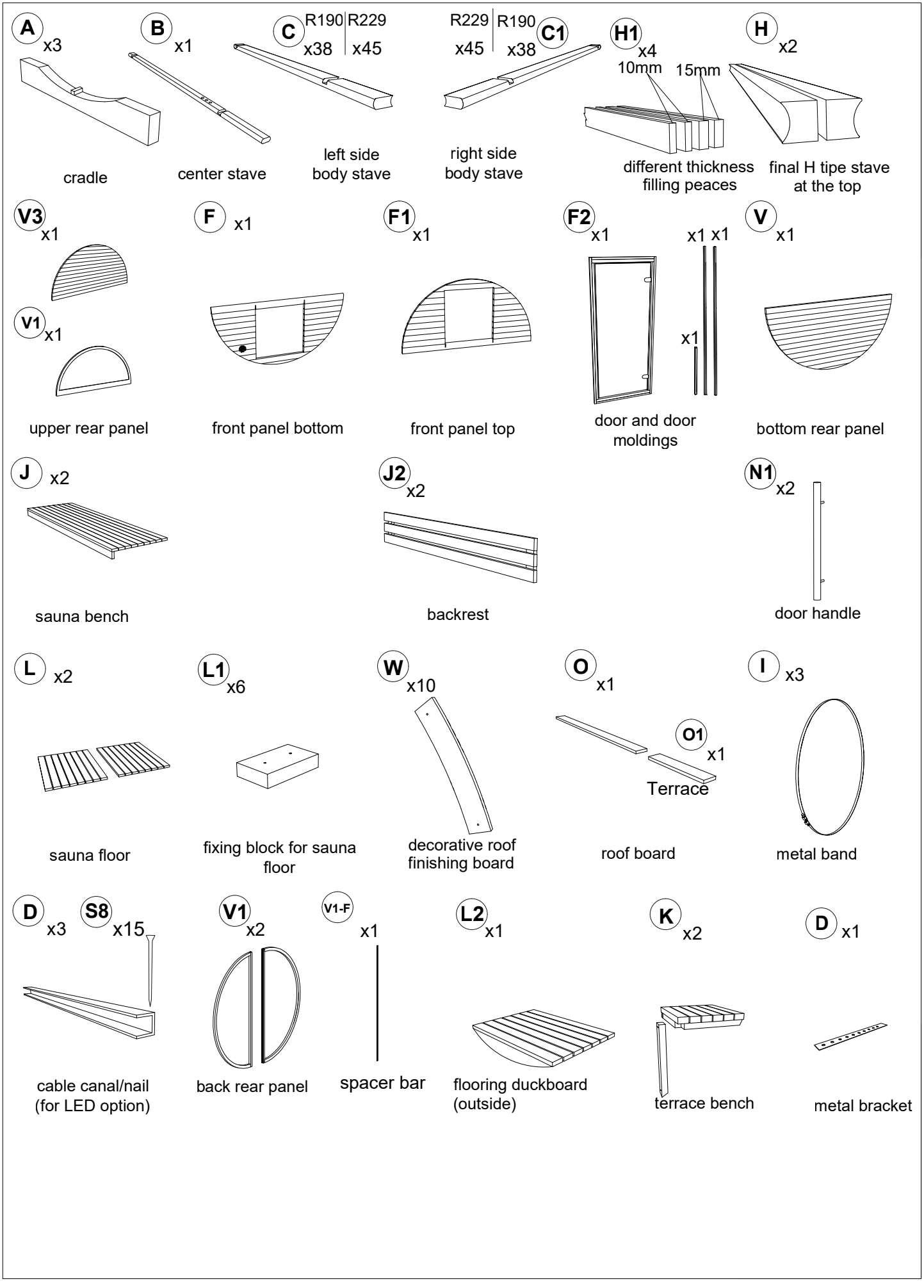
Model: RT-190-223, RT-190-260,
RT-229-223, RT-229-260,
RTF-190-223, RTF-190-260,
RTF-229-223, RTF-229-260

Model: RTP-190-223
RTP-190-260
RTP-229-223
RTP-229-260
RTP-229-210
RTP-229-250

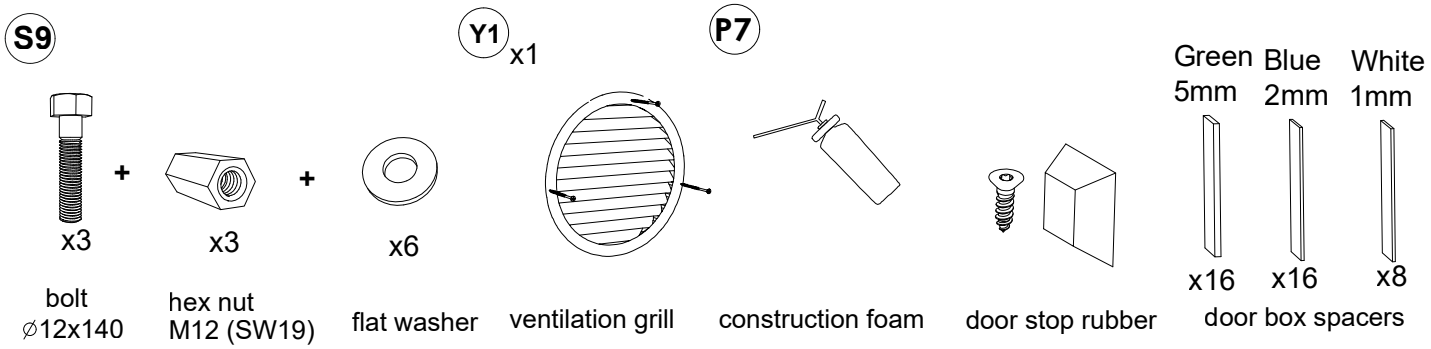
Note: Please read the manual before construction

Rev. 21.10.2026

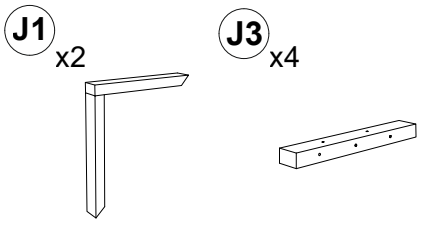
PART LIST


A x3
cradle
B x1
center stave
C R190 x38 | R229 x45
left side body stave
R229 x45 | R190 x38 C1
right side body stave
H1 x4
10mm
15mm
different thickness filling peaces
H x2
final H tipe stave at the top
V3 x1
V1 x1
upper rear panel
F x1
front panel bottom
F1 x1
front panel top
F2 x1
x1 x1
x1
door and door moldings
V x1
bottom rear panel
J x2
sauna bench
J2 x2
backrest
N1 x2
door handle
L x2
sauna floor
L1 x6
fixing block for sauna floor
W x10
decorative roof finishing board
O x1
O1 x1
Terrace
roof board
I x3
metal band
D x3
S8 x15
cable canal/nail (for LED option)
V1 x2
back rear panel
V1-F x1
spacer bar
L2 x1
flooring duckboard (outside)
K x2
terrace bench
D x1
metal bracket

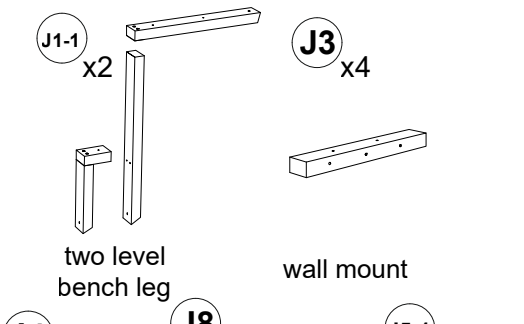
PART LIST

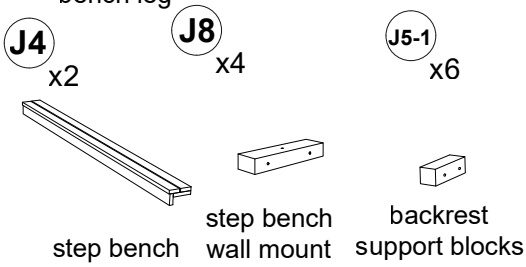


Set of standard benches

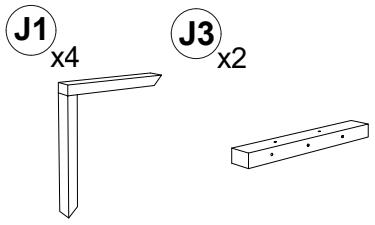


Set with high benches (Alternative options)





Set of standard benches for a sauna with a full panorama (Alternative options)



Steel screws					
Article	Size,mm	Screws kind	Total quantity,pc R190/R229 (Standard benches)	Total quantity,pc R229 (High benches)	Total quantity,pc R190/R229 (Full panorama)
S1	5.0x100	stainless	45 / 60	50	45 / 60
S2	4.0x70	stainless	25 / 0	12	10 / 0
S4	5.0x120	steel	11 / 11	11	11 / 11
S5	4.0x50	stainless	20 / 46	26	26 / 46
S6	5.0x70	stainless	28 / 28	44	28 / 28
S7	4.2x55	steel	25	25	25
S10	4.0x60	steel	136 / 160	160	136 / 160
S11	4.0x40	stainless	-	12	-
S12	4.0x30	steel	-	-	5
S14	5.0x80	steel	10 / 10	10	10 / 10
S16	4.0x60	stainless	12 / 12	18	12 / 12

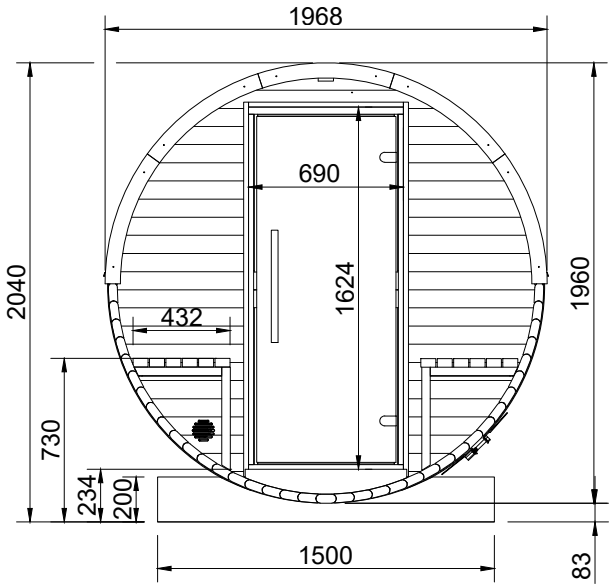
RECOMMENDATIONS

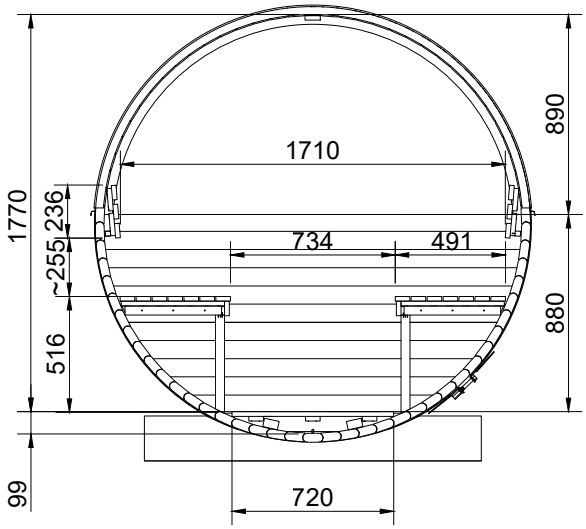
1. It is recommended to install the sauna above ground level to prevent the base frame of the sauna from coming into direct contact with the ground. Install a water-resistant material, such as bitumen strips, between the base frame and the base surface.
2. Make sure that the surface on which you install the sauna is level and stable before and after installing the sauna. Otherwise, the doors of the sauna may not open and close properly later on.
3. 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 odor when first heated. Read more from the user manual for the sauna stove.
4. The maximum permitted temperature in the steam room is +90 °C. If heated to a higher temperature, the sauna may become overheated.
5. In order to avoid damage caused by the weight of snow in winter, 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.
6. Wood is a natural product that can swell, shrink or warp, despite good storage. For this reason, some force may be necessary during the installation.

REQUIRED TOOLS

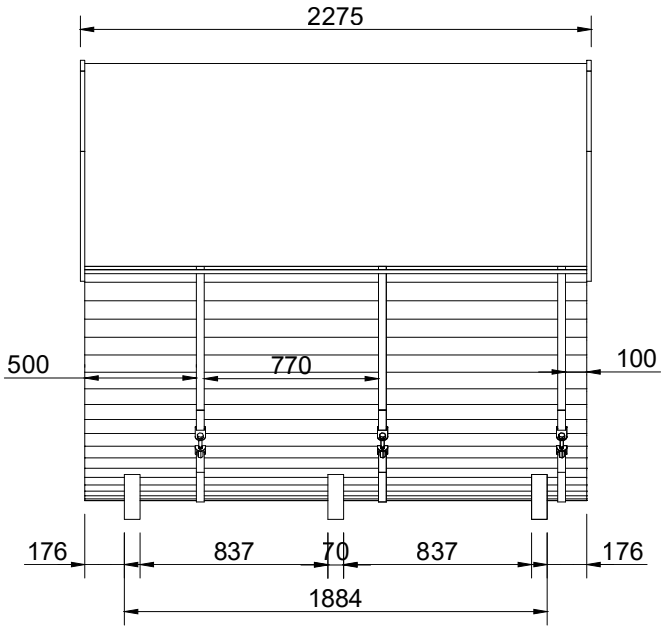
	Tape measure		Cutting knife		Drills
	Pencil		Battery drill		Wrench 19mm
	Level		Nail gun		Vise
	Rubber mallet		Hex keys 3mm, 5mm		Caulking gun (bitumen roof mastic)
	Hammer		Gloves		Recommended - 2 person
	Stapler		Safety goggles		

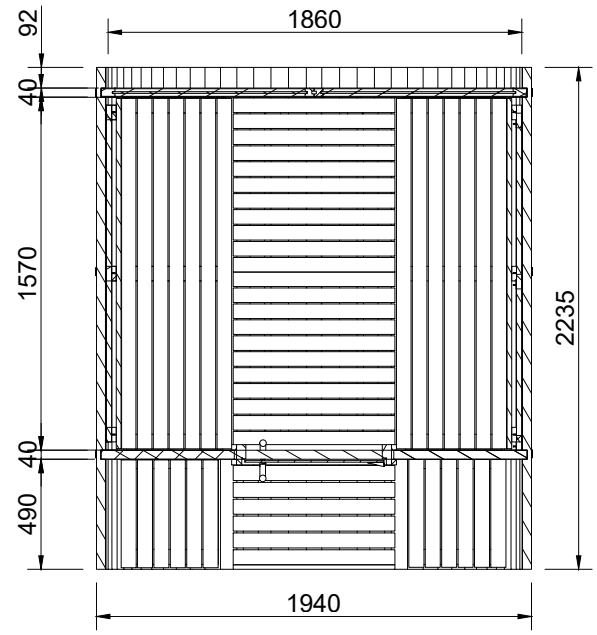
Barrel dimensions LUMA Cosy



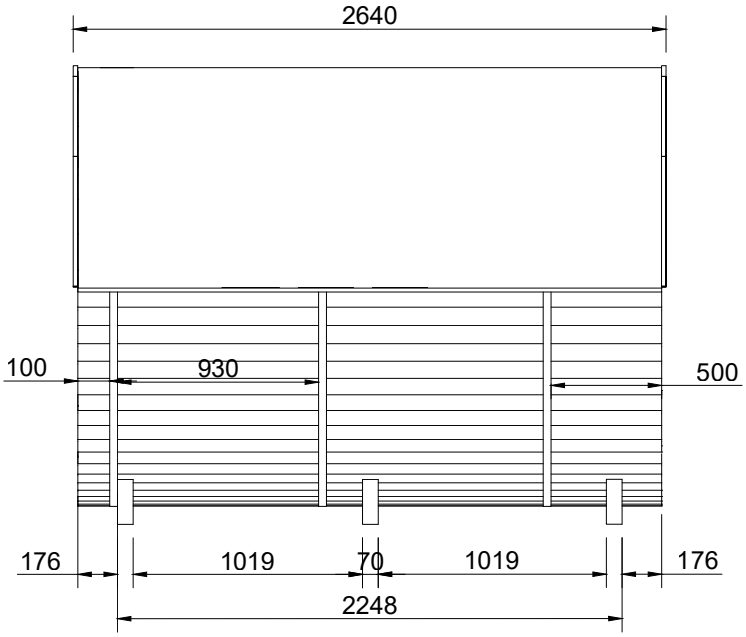


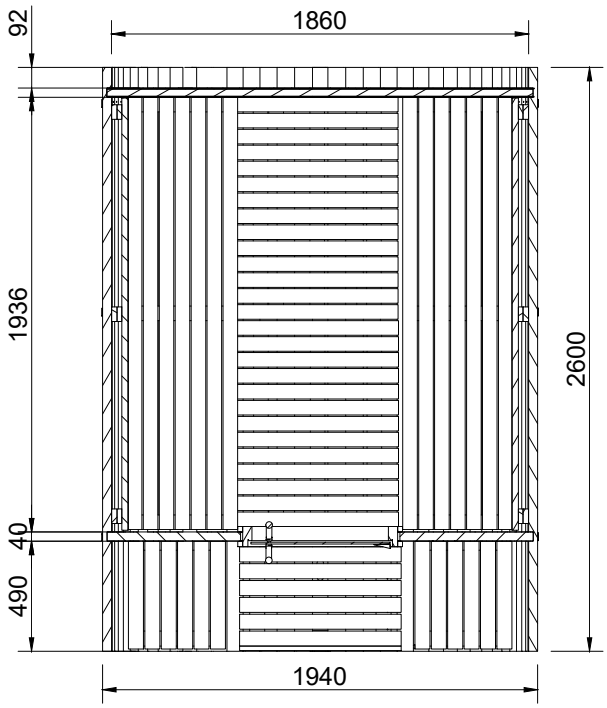
LUMA Cosy 225





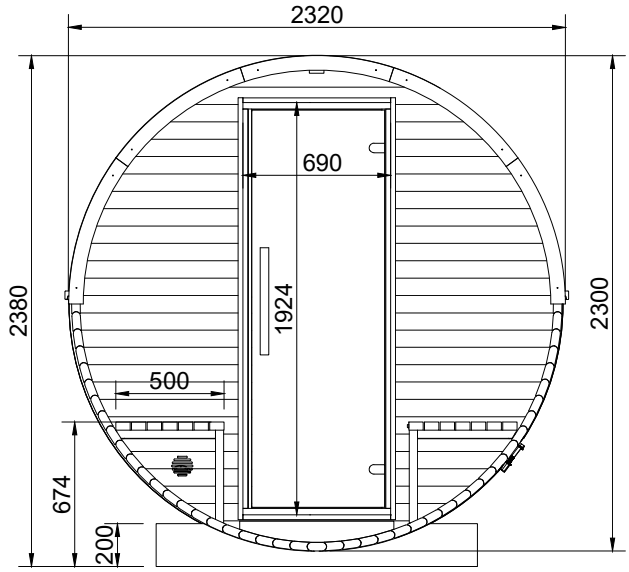
LUMA Cosy 260

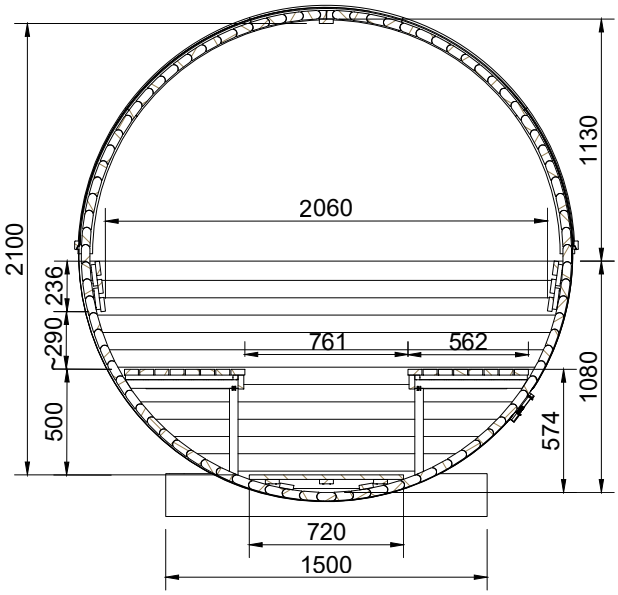




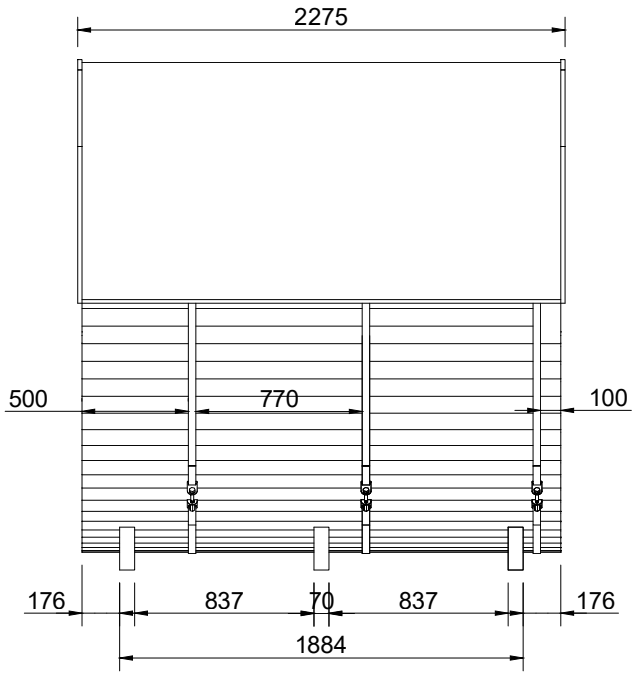
The dimensions on the drawings are informative, rounded values.

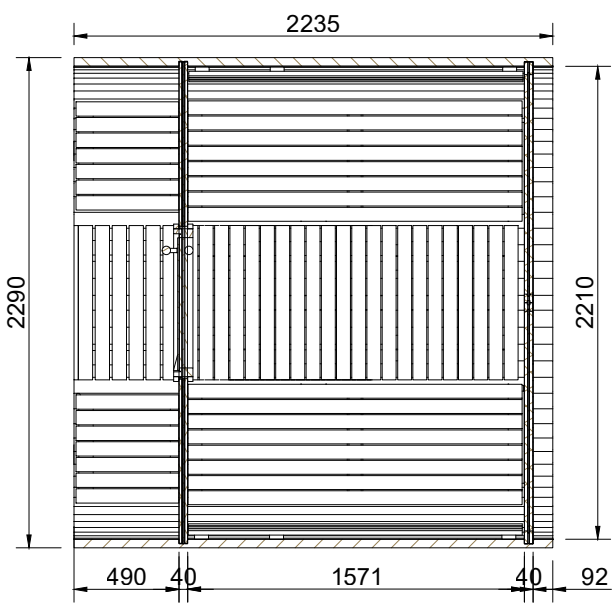
Barrel dimensions LUMA Comfy



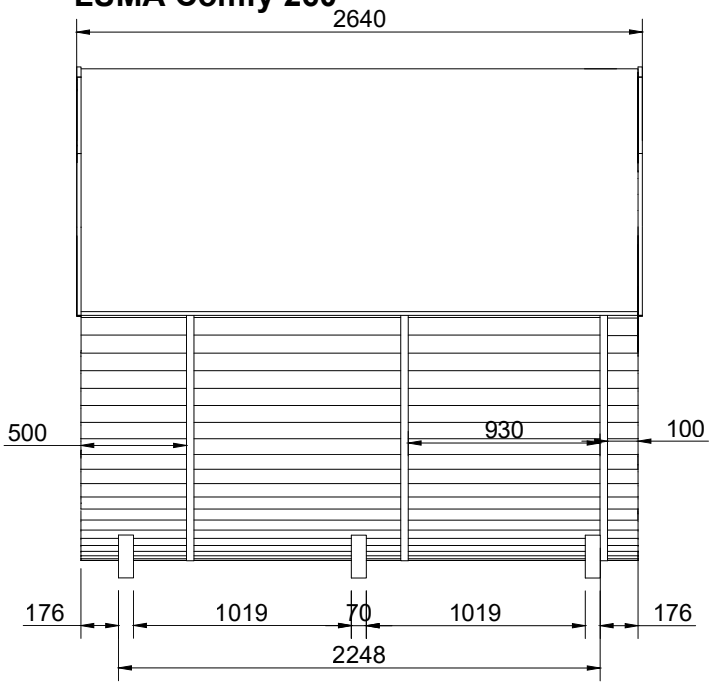


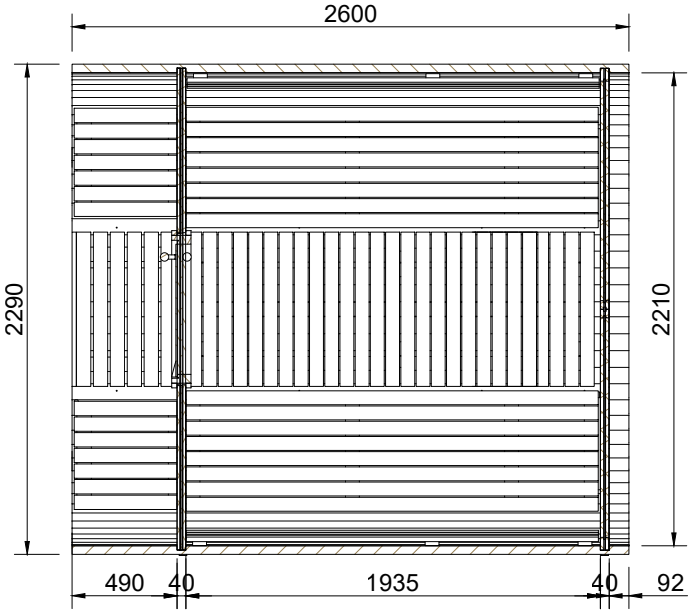
LUMA Comfy 225





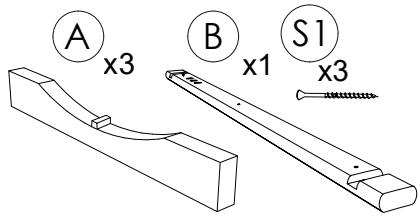
LUMA Comfy 260

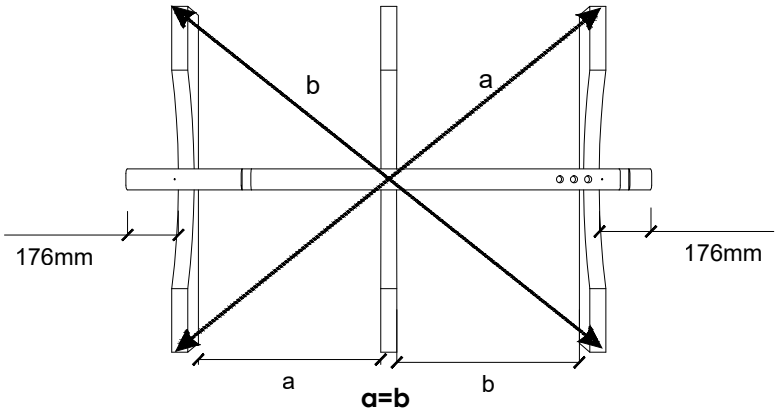




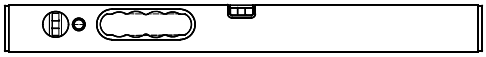
The dimensions on the drawings are informative, rounded values.

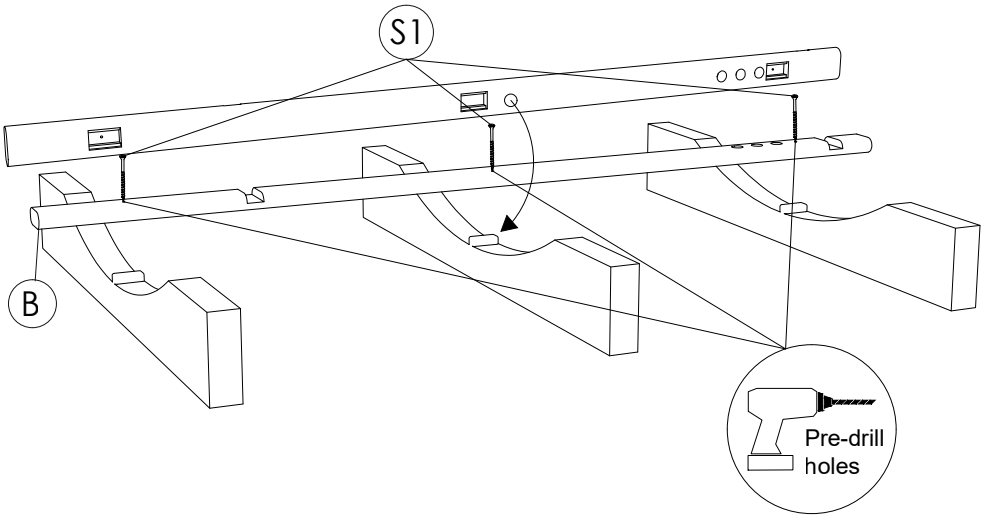
STEP 1: Measure support cradles (A) diagonally from corner to corner. Measurements “a” and “b” should be equal to ensure the cradles are square. Be sure cradles remain level. Place the support cradles (A)on level site. Carefully level for better stability. Place the center stave (B) on wooden dowels embedded in outer support cradles (A). Fix the center stave (B) with 5.0x100 SS(S1). Pre-drill holes before fix staves with screws.





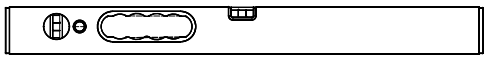
Use a level

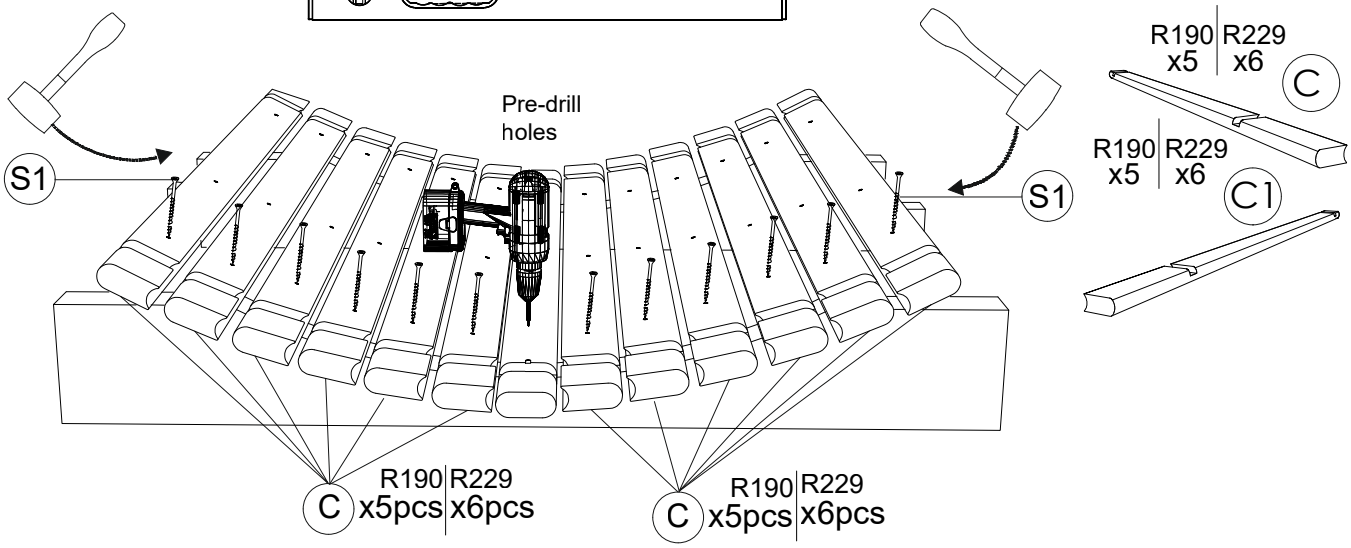




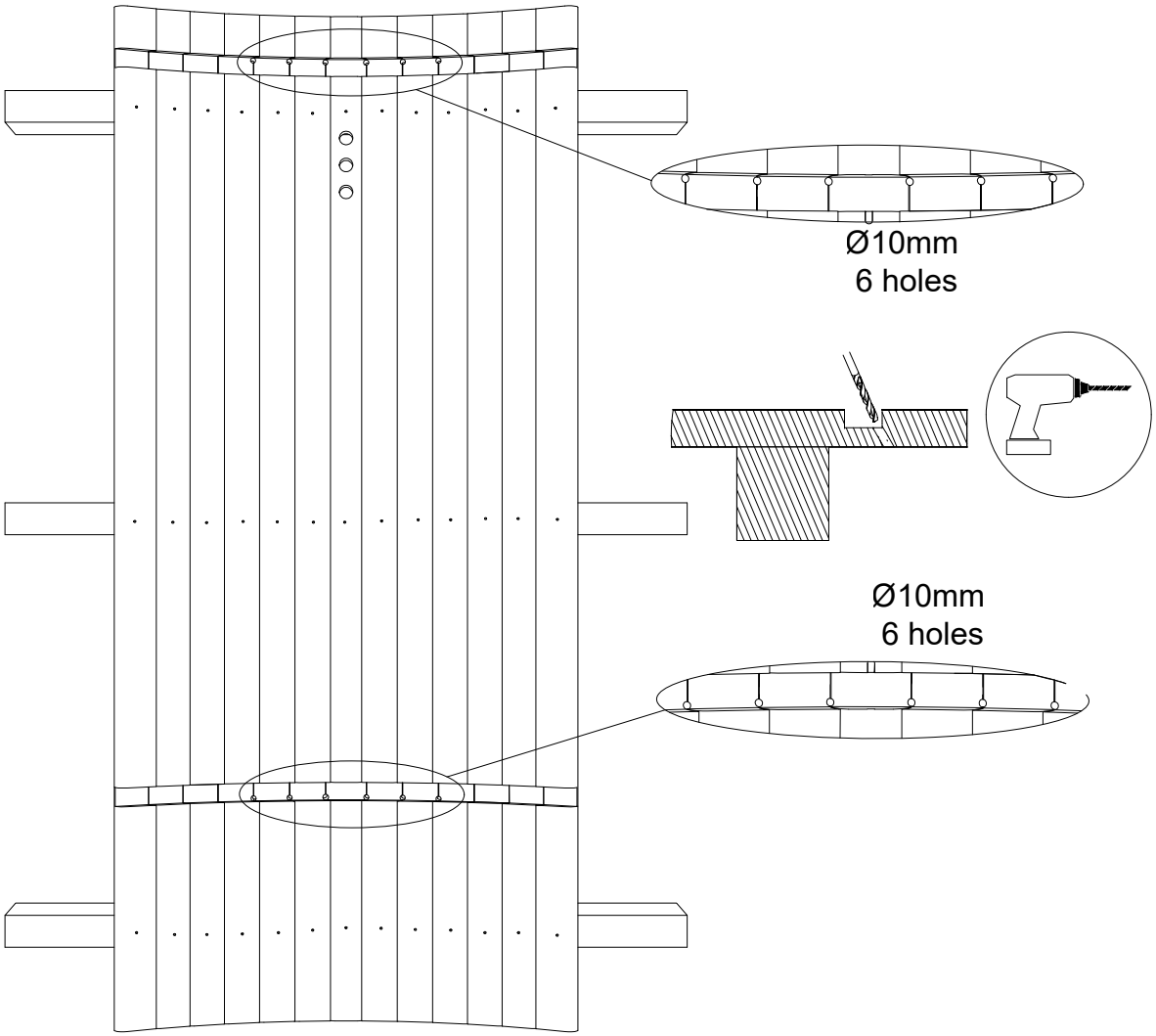
STEP 2: Pre-drill holes before fix staves with screws. Place 5 (R190) or 6 (R229) sauna body staves (C) to each side of the center stave (B)and fix with screws 5.0x100 SS (S1). Be sure to align the panel groove on every next body stave, to do that use rubber hammer.

Use a level

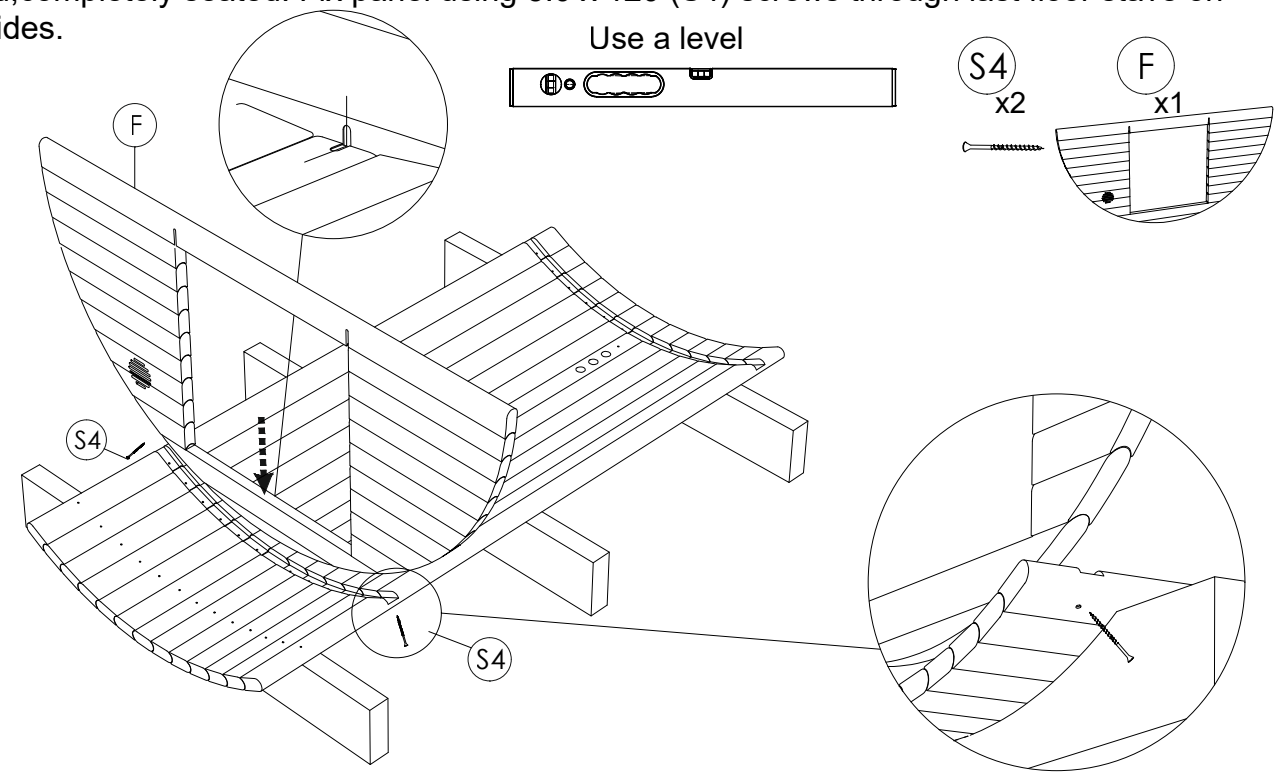




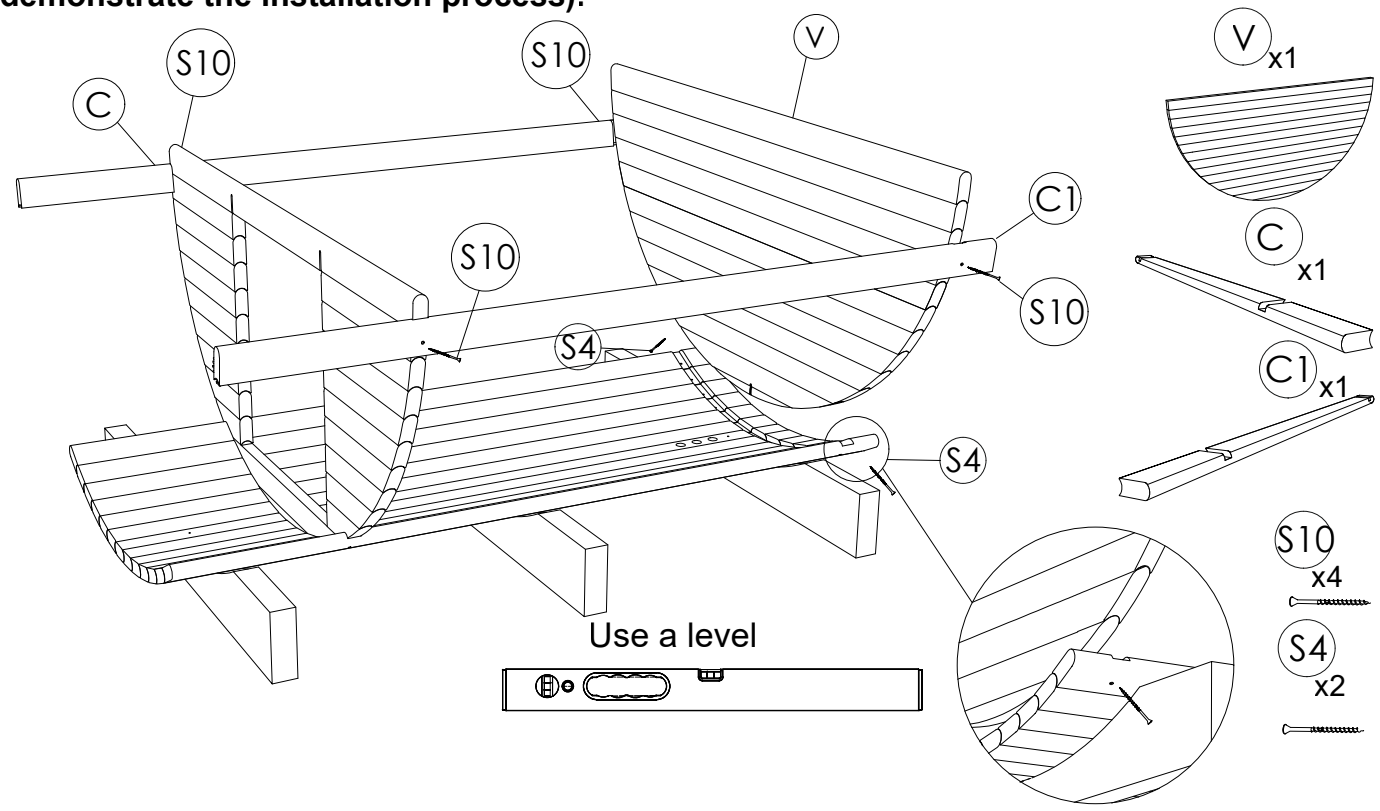
STEP3: Drill six 10 mm holes in front and back wall groove to the out-side in board connections as shown in the picture. Drill them in ≈30° angle. This will help drain excess water faster.



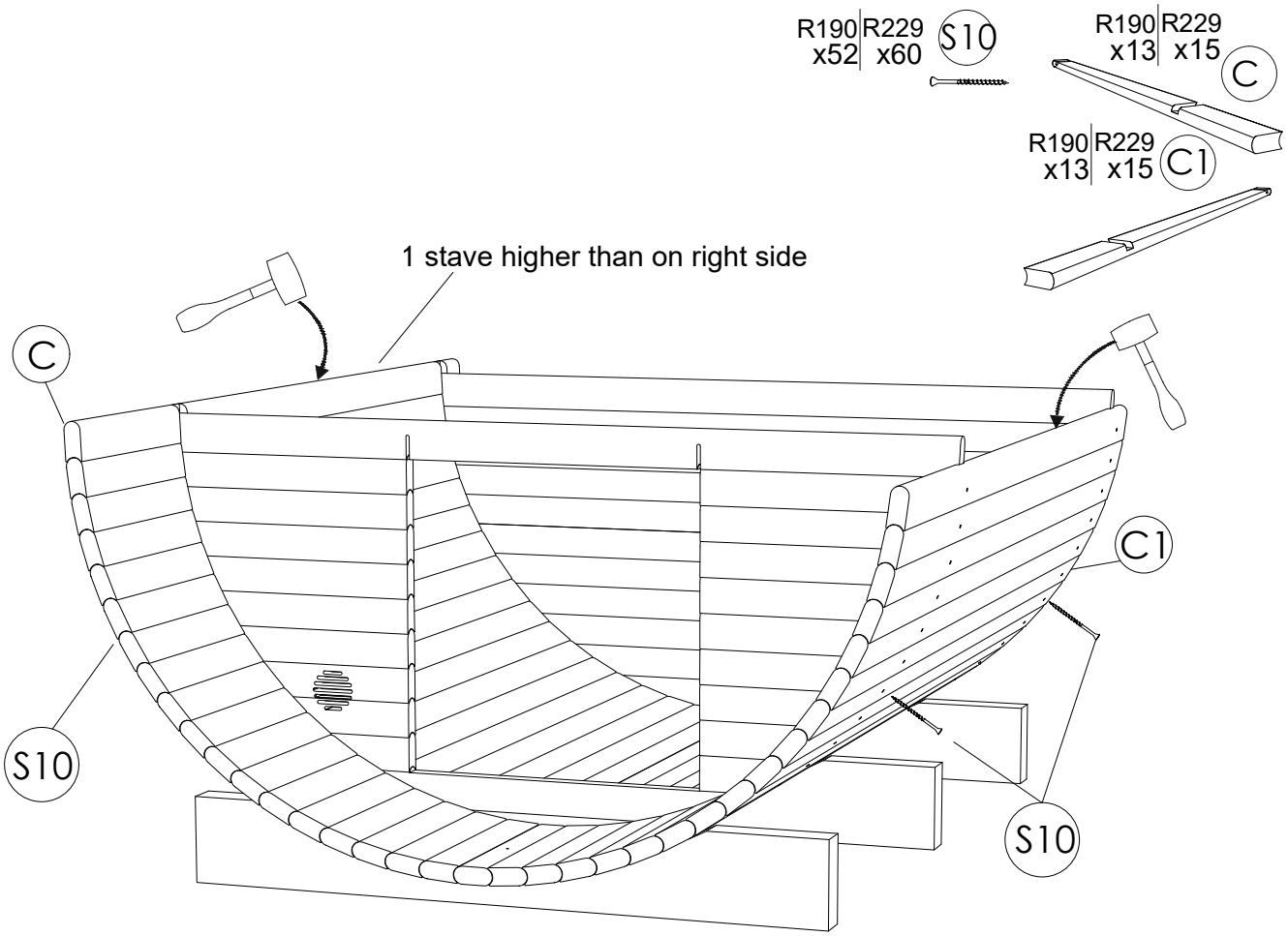
STEP 4: Place front bottom panel (F) in stave groove, be sure panel is centered, leveled,completely seated. Fix panel using 5.0 x 120 (S4) screws through last floor stave on both sides.



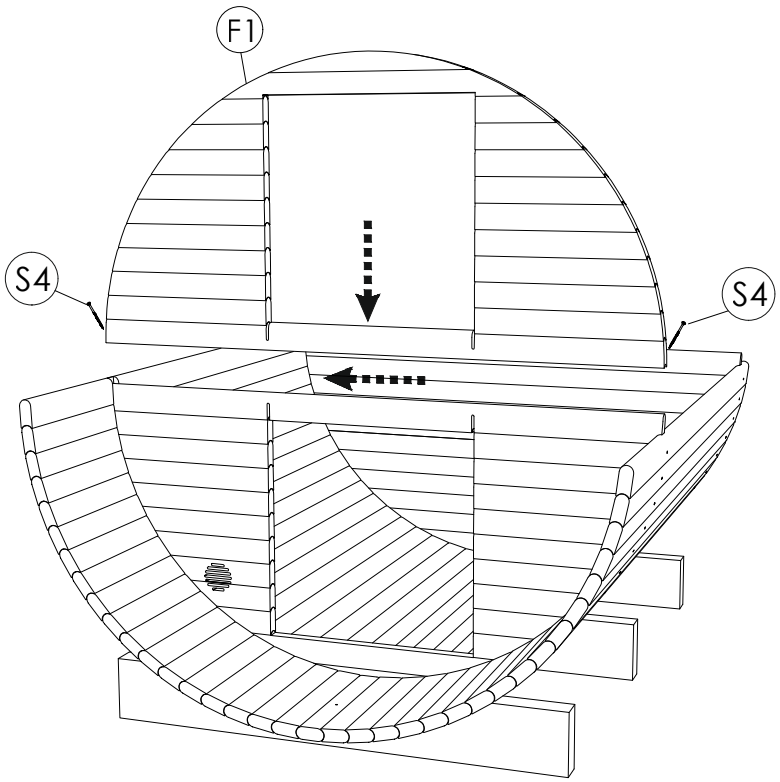
STEP 5: Place rear panel (V) in stave groove, be sure panel is centered, leveled,completely seated. Fix panel using 5.0 x 120 (S4) screws through last floor stave on both sides. **For full panoramic instruction go to step 5.1-5.4! (Steps 5.1-5.4 are provided for reference only to demonstrate the installation process).**

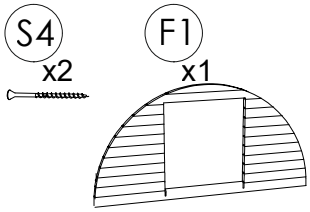


STEP 6: Continue placing body staves (C) tightly on both sides of the sauna using rubber mallet, and fixing body staves with screws 4.0x60(S10) . Fix one stave higher on left side than at right.

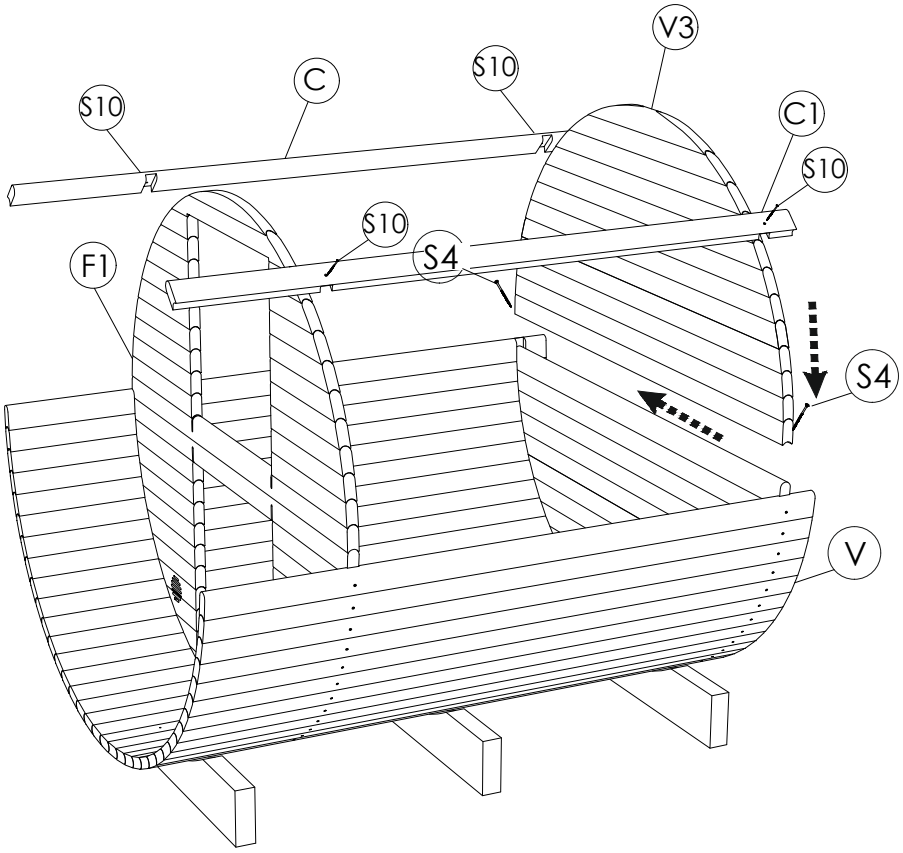


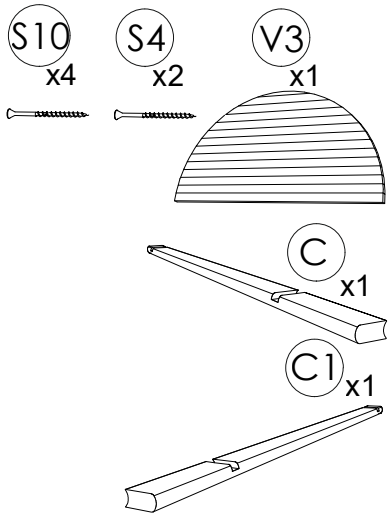
STEP 7: Place front top panel (F1) on front bottom panel (F), be sure panel is centered, leveled,completely seated. Fix panel using 5.0 x 120 (S4) screws on both sides.



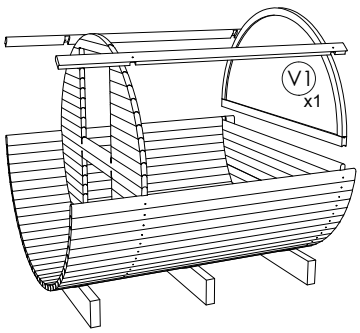


STEP 8: Take the upper rear panel (V3 or V1-panoramic window) and place it on the bottom rear panel (V). Secure it by using 2 screws 5.0 x 120 (S4). Connect the panels (F1; V3) together by placing one body staves (C) both sides where you can reach, with 4.0x60 (S10) screws.

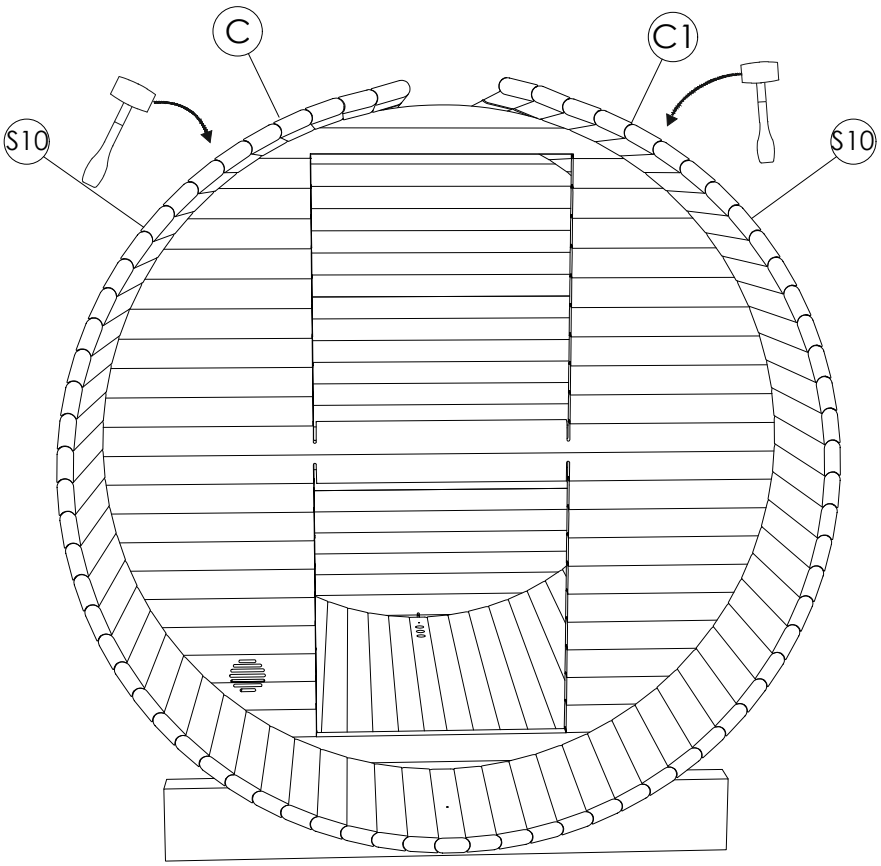


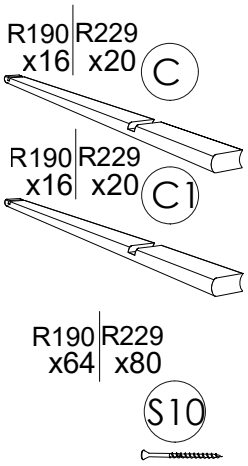


WARNING for panoramic window installation!
Please be careful not to tighten the screws too much and avoid screwing them in any deeper to prevent window damage!

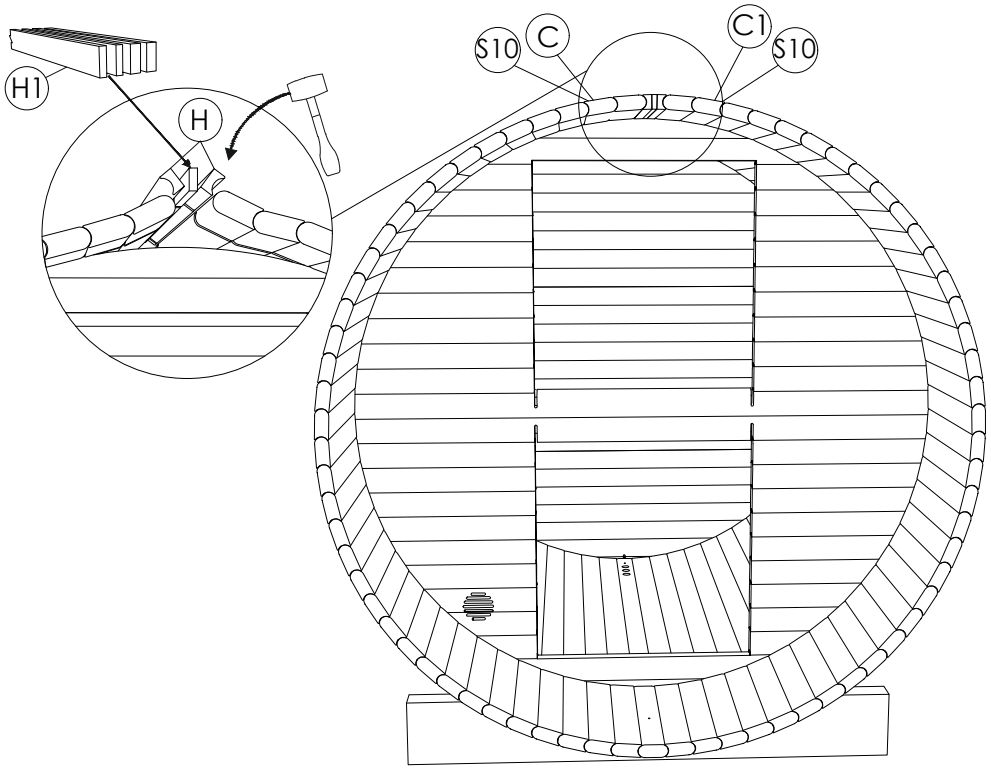


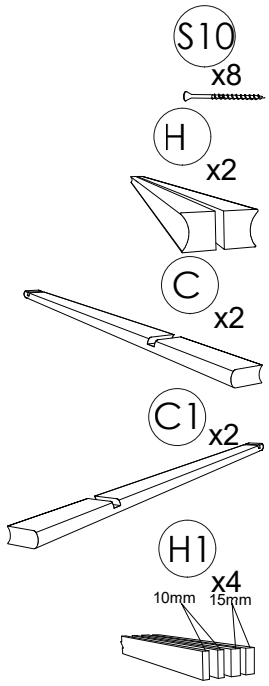
STEP 9: Continue placing body staves (C) tightly on both sides of the sauna using rubber mallet, and fixing body staves with screws 4.0x60(S10).



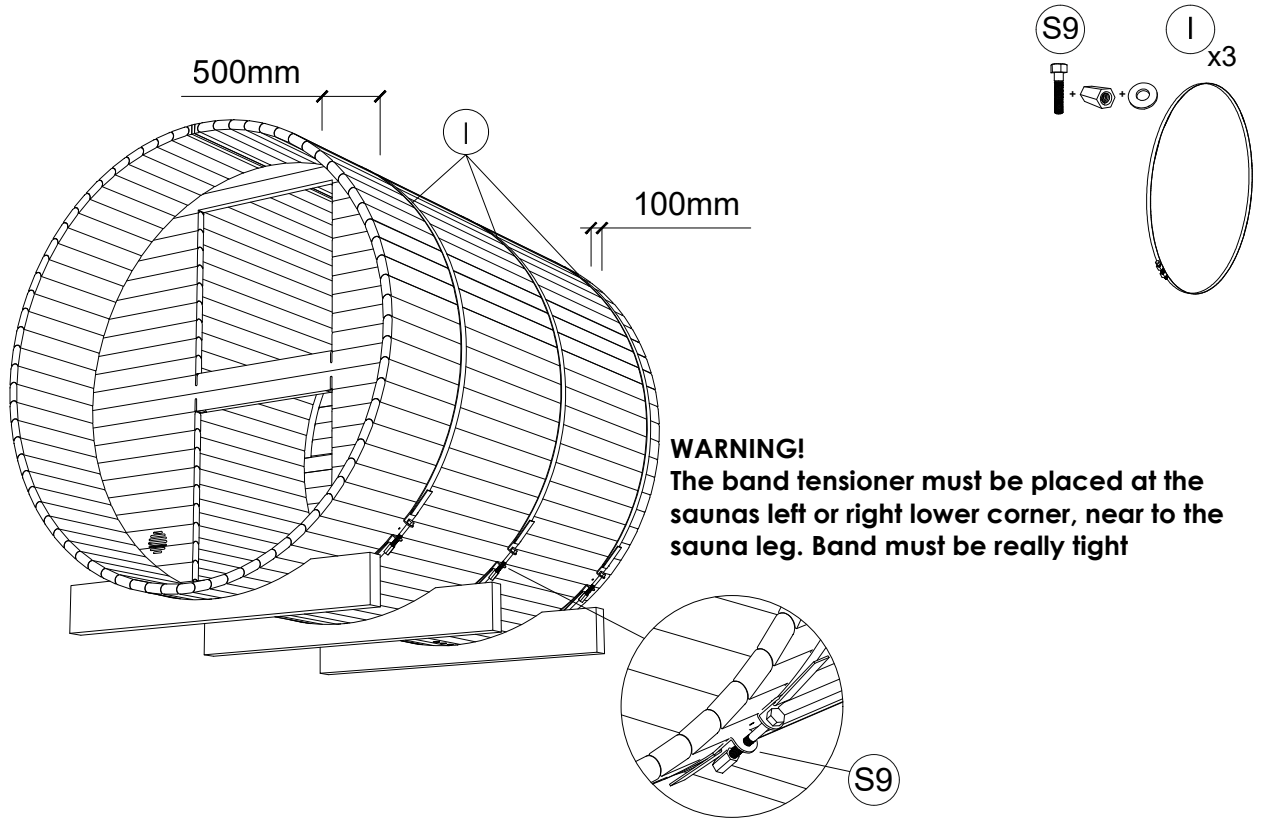


STEP 10: To finish the roof top joint, don't screw about last 3 boards (C) to each side, use roof finishing item (H). Different thickness filling pieces (H1) are provided to completely fill the gap. Once necessary parts are in, fix last boards with screws.

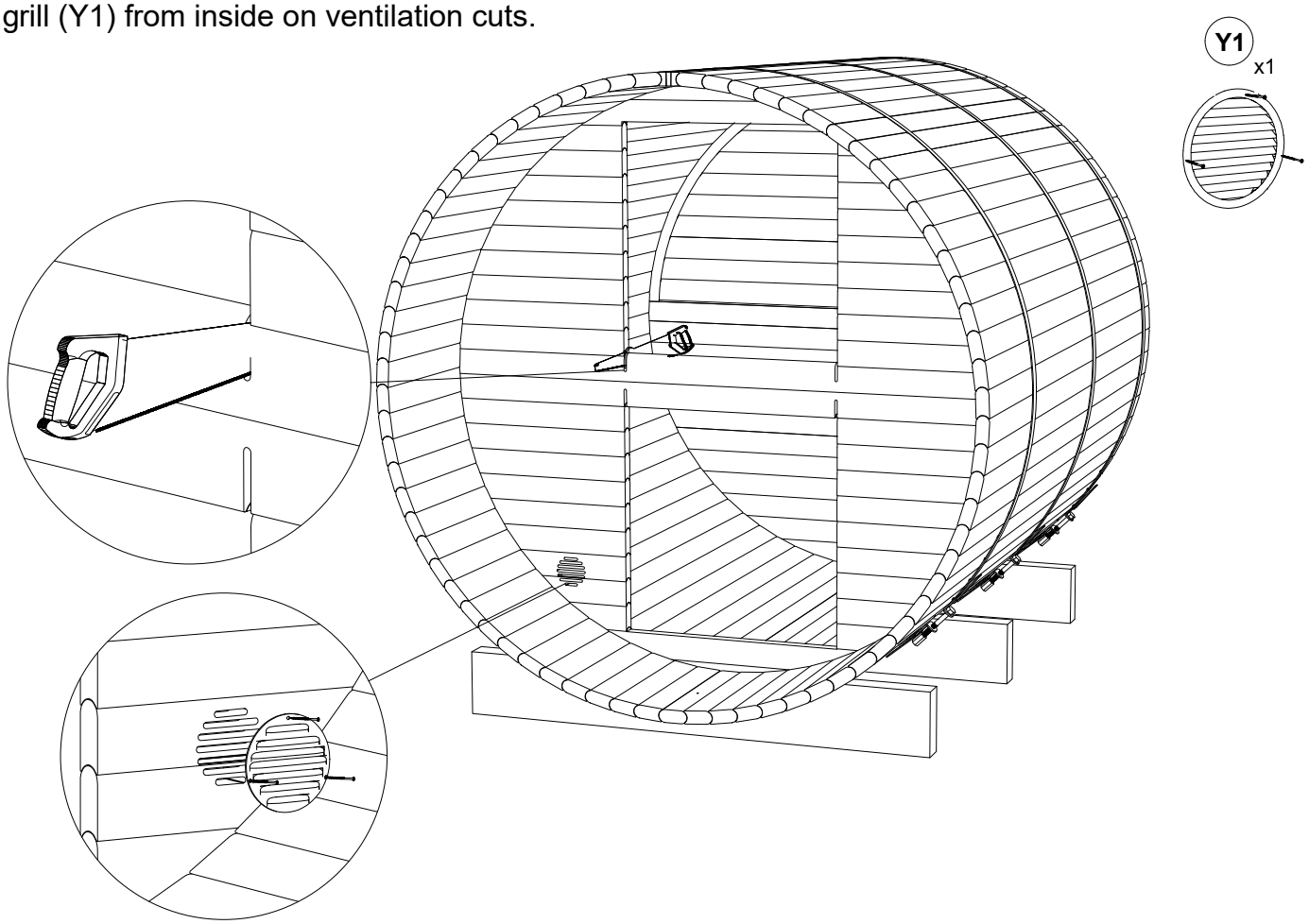




STEP 11: Install steel bands (I) by wrapping bands around the barrel, then connect with bolts and nuts (S9). Place steel bands evenly around the barrel approx 500mm from terrace and 100mm from sauna back. Bands should cover screw heads evenly.The middle band should be evenly placed from both bands. The bands should be tense, they cant be loosened.

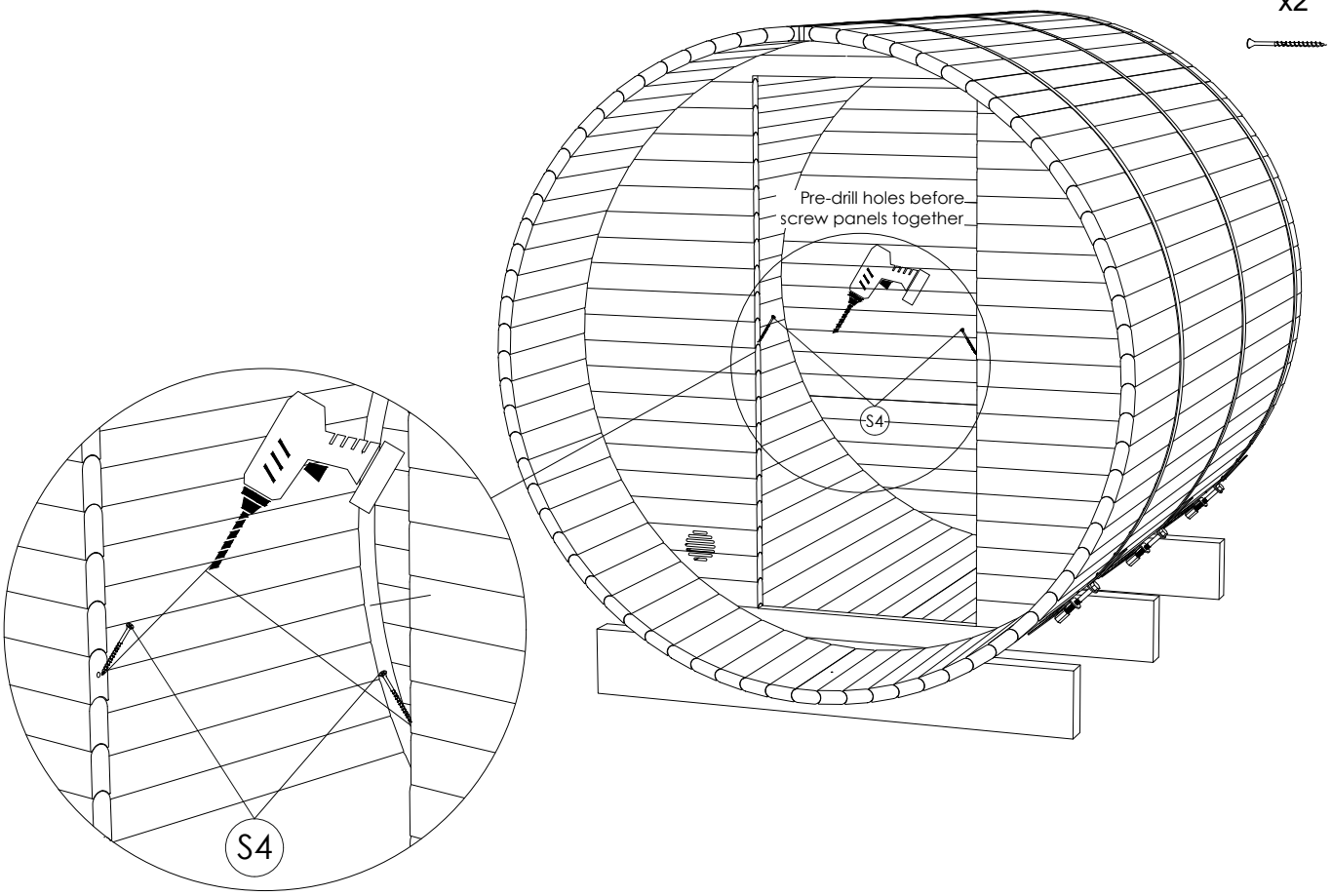


STEP 12: Draw straight line to connect both cuts. Use hand saw or other cutting machine to saw out excess boards for door box. It's recommended to saw out boards from inside. Fix ventilation grill (Y1) from inside on ventilation cuts.

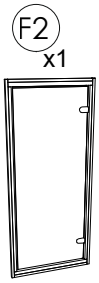


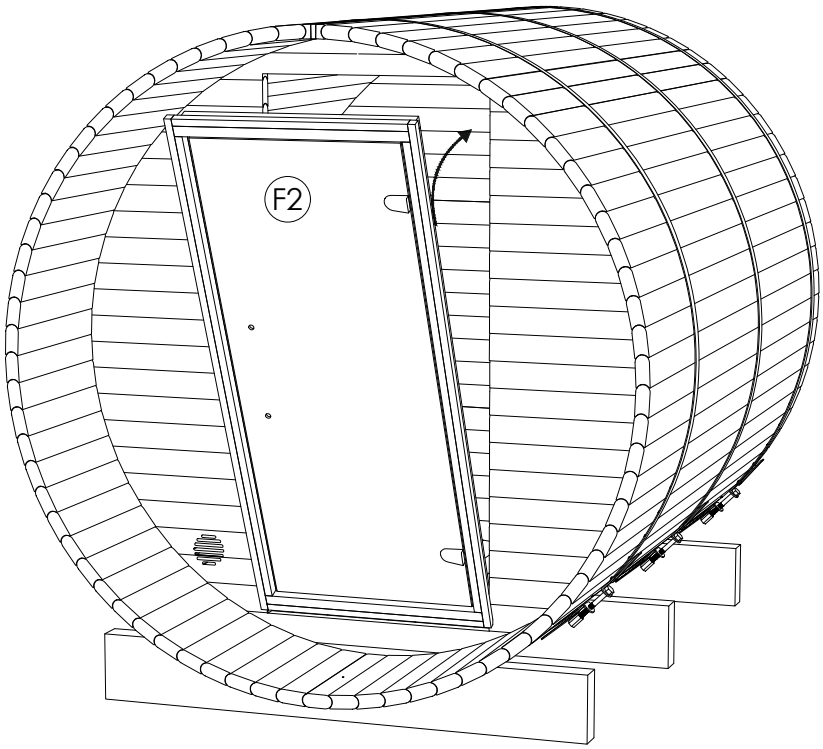
STEP 13: Pre-drill holes for screws. Fix both panels together using 5.0x120 (S4) screws.



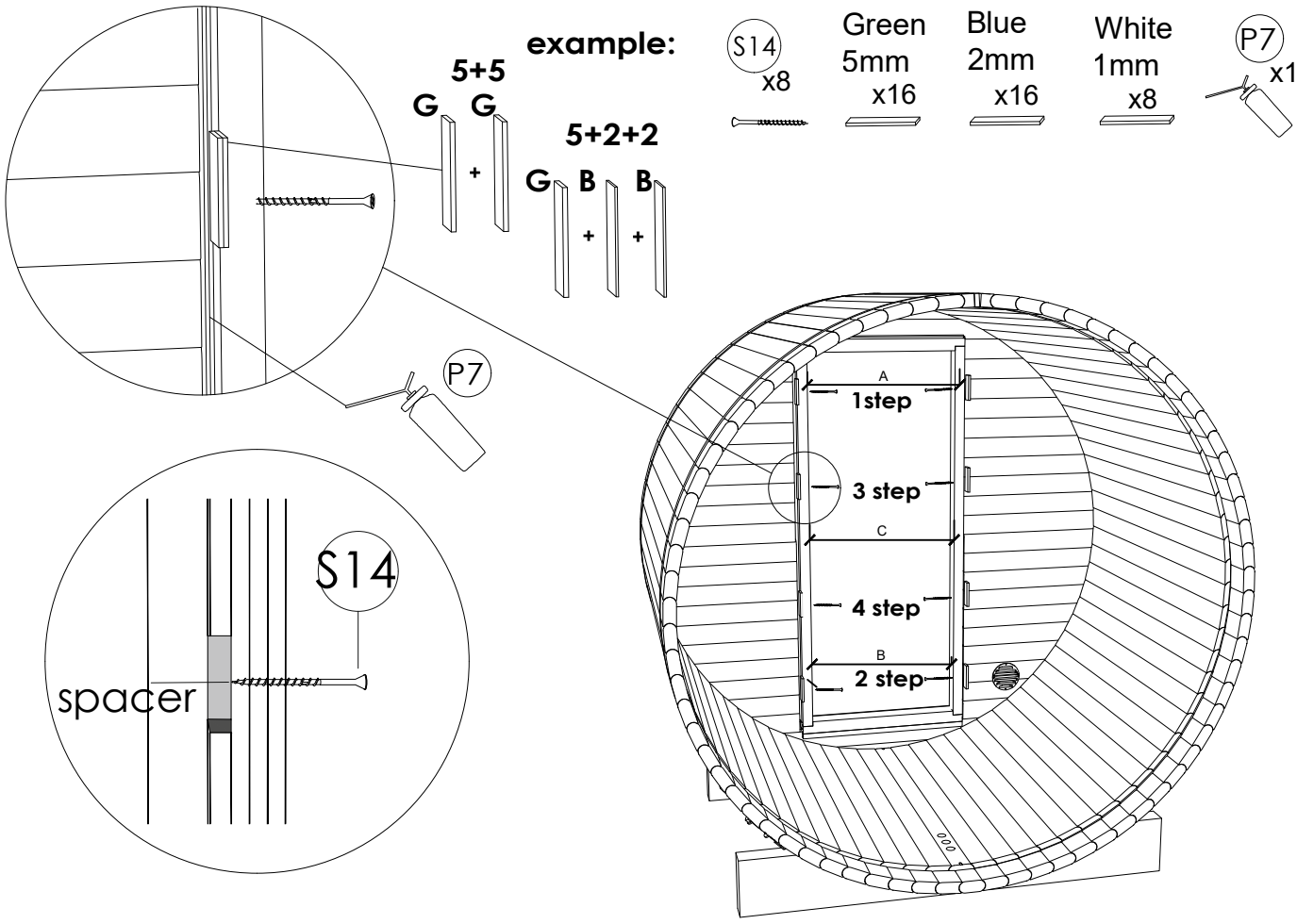


STEP 14: Install the doors (F2). Put the doors on threshold and lay in frame about in the middle. Fix doors with clamps or another person should hold the door.

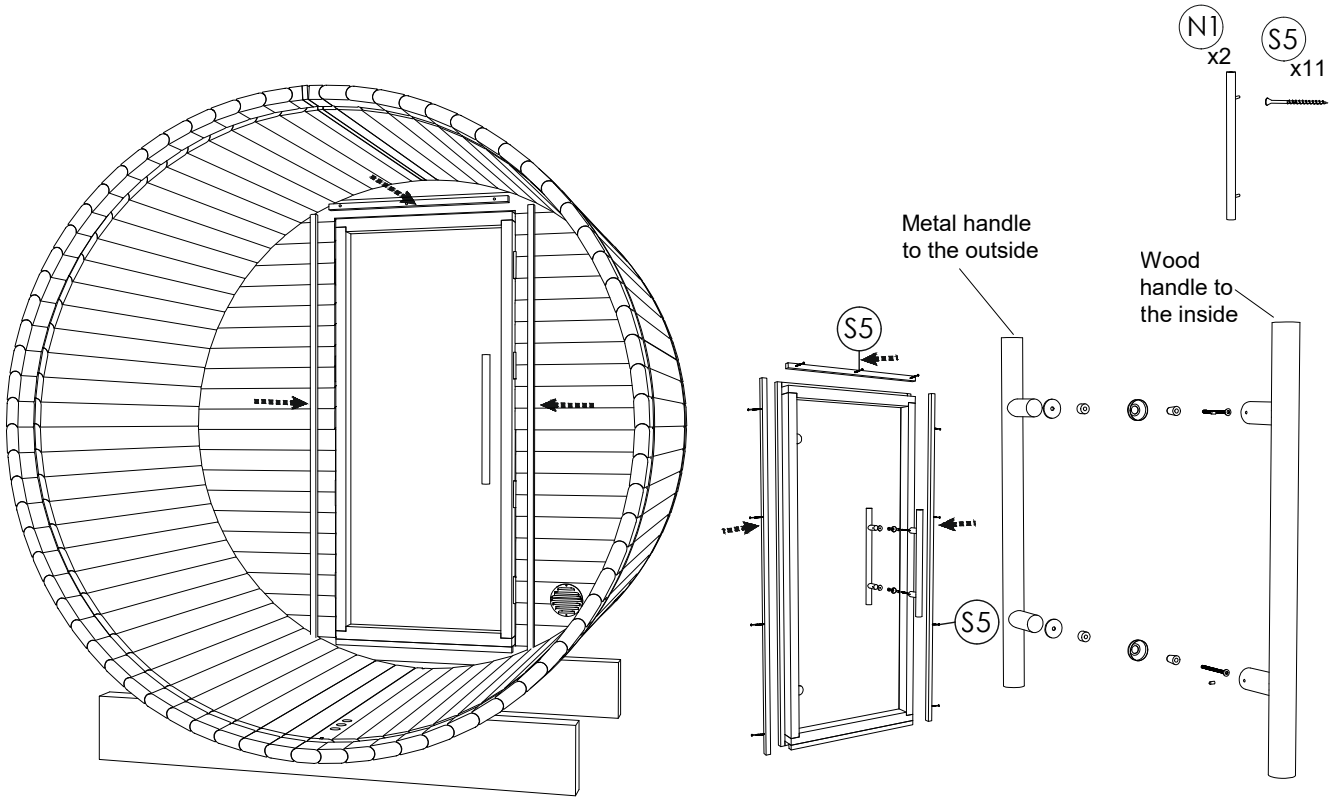




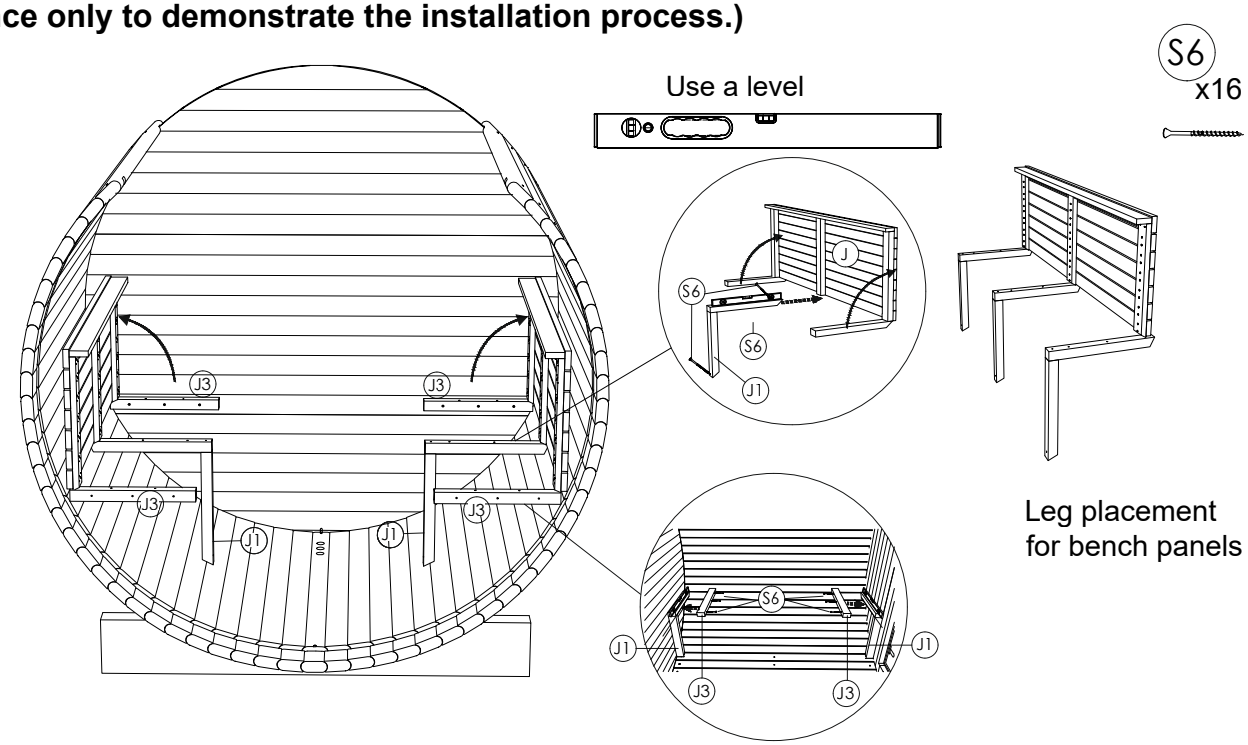
STEP 15: First, attach the top of the door frame on the right and left sides (1) with screws (S14) through the spacer elements, then the bottom of the frame (2) on the right and left sides. Next, insert the spacers in the middle of the door on both sides (3,4). Connect the spacers to the required width. The spacers should fit tightly; they shouldn't slip before the door is secured with screws. Check the door frame — both sides should be even, they shouldn't bend inward or outward. Use a level, making sure that distance A=B=C.



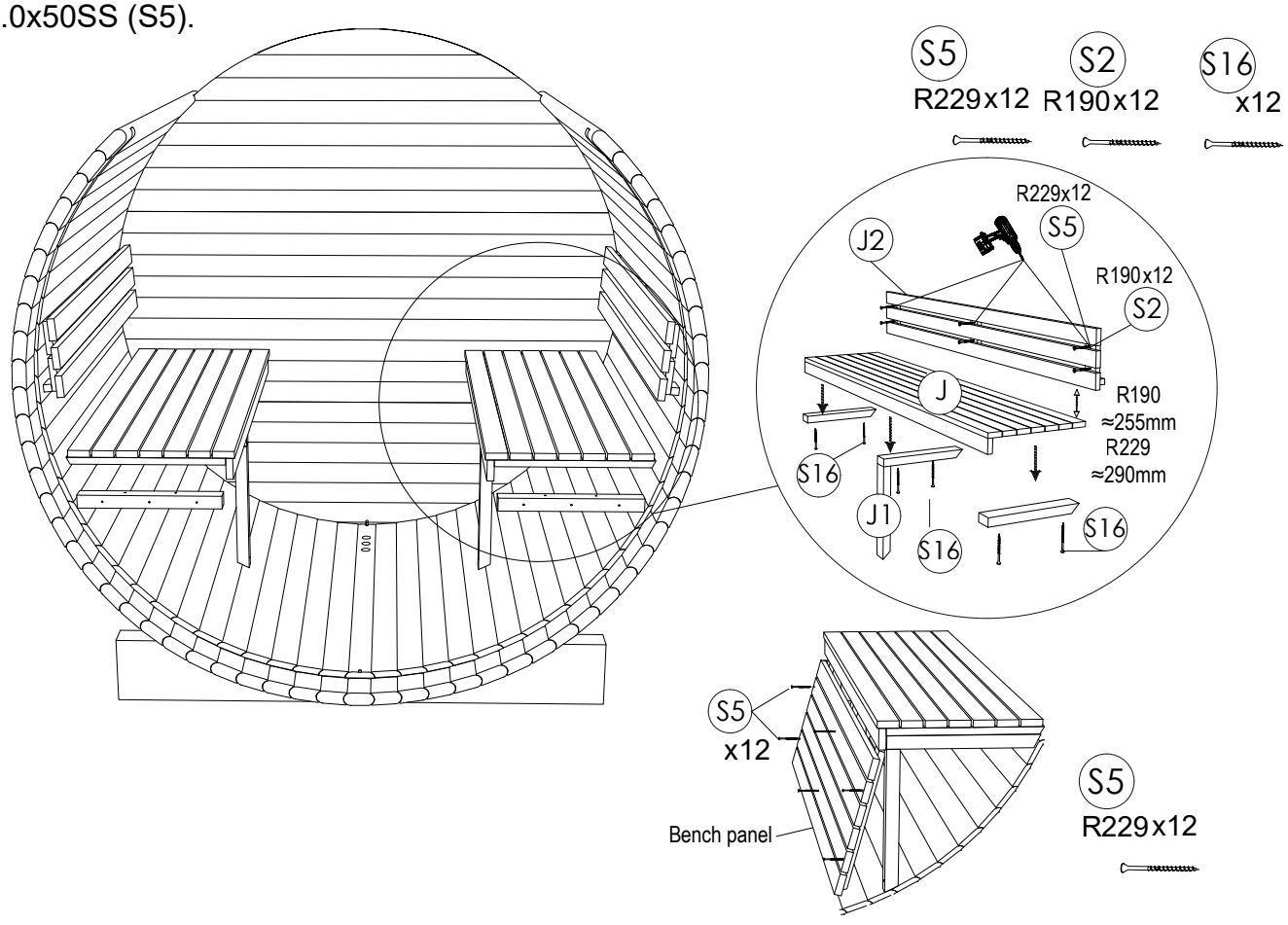
STEP 16: Fix door moldings to both sides and on top of the door with S5 screws 4x50ss.



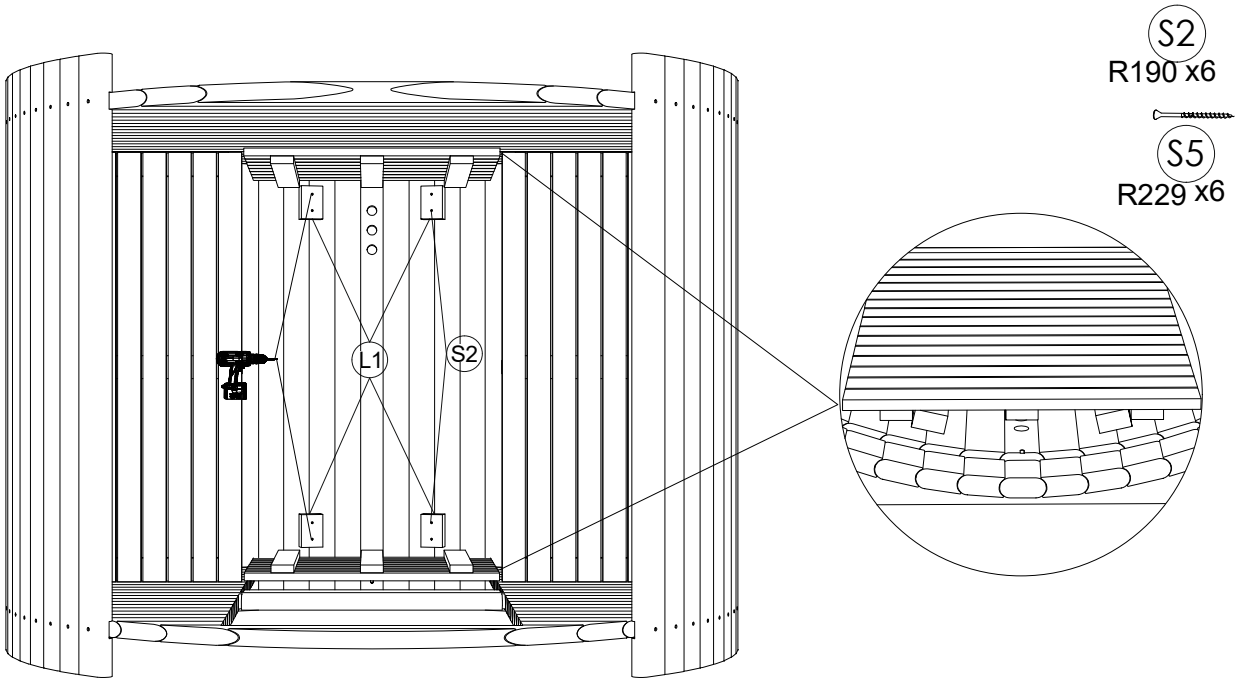
STEP 17: To install wall mounts (J3) use interior supporting leg (J1). Put it on the sauna wall in level, mark a line where wall mounts will stand. Using screw 5.0x70 SS (S6) fix wall mounts (J3) on the marked lines. Install interior supporting leg (J1) in the center of bench (J). Stand bench on side wall mounts. Place J1 in the center and check the level. Using screw 5.0 x 70 SS (S6) fix bench leg to the wall and floor. **To install benches in the sauna with a full panorama, go to steps 17.1-17.2! To install the high bench set, follow steps 17.3–17.8. The high bench set is available for R229 models only! (Steps 17.1-17.8 are provided for reference only to demonstrate the installation process.)**



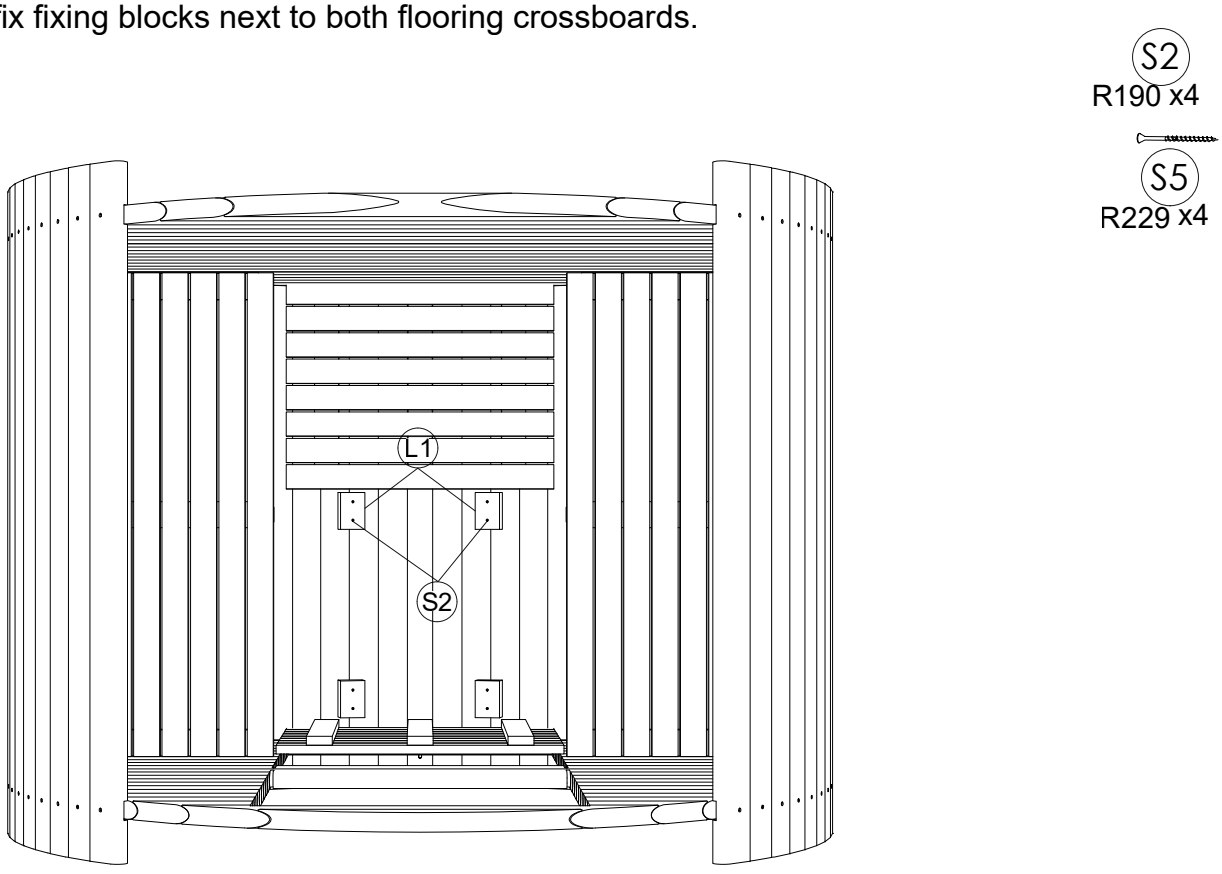
STEP 18: Pre-drill holes before fix backrest with screws, install backrests (J2) using screw 4.0 x 70 SS (S2) R190, or 4.0x50 SS R229. Fix sauna bench (J) to wall mounts and support leg using 4.0 x60 SS (S16) screws. Fix bench panel(if ordered) with screws 4.0x50SS (S5).



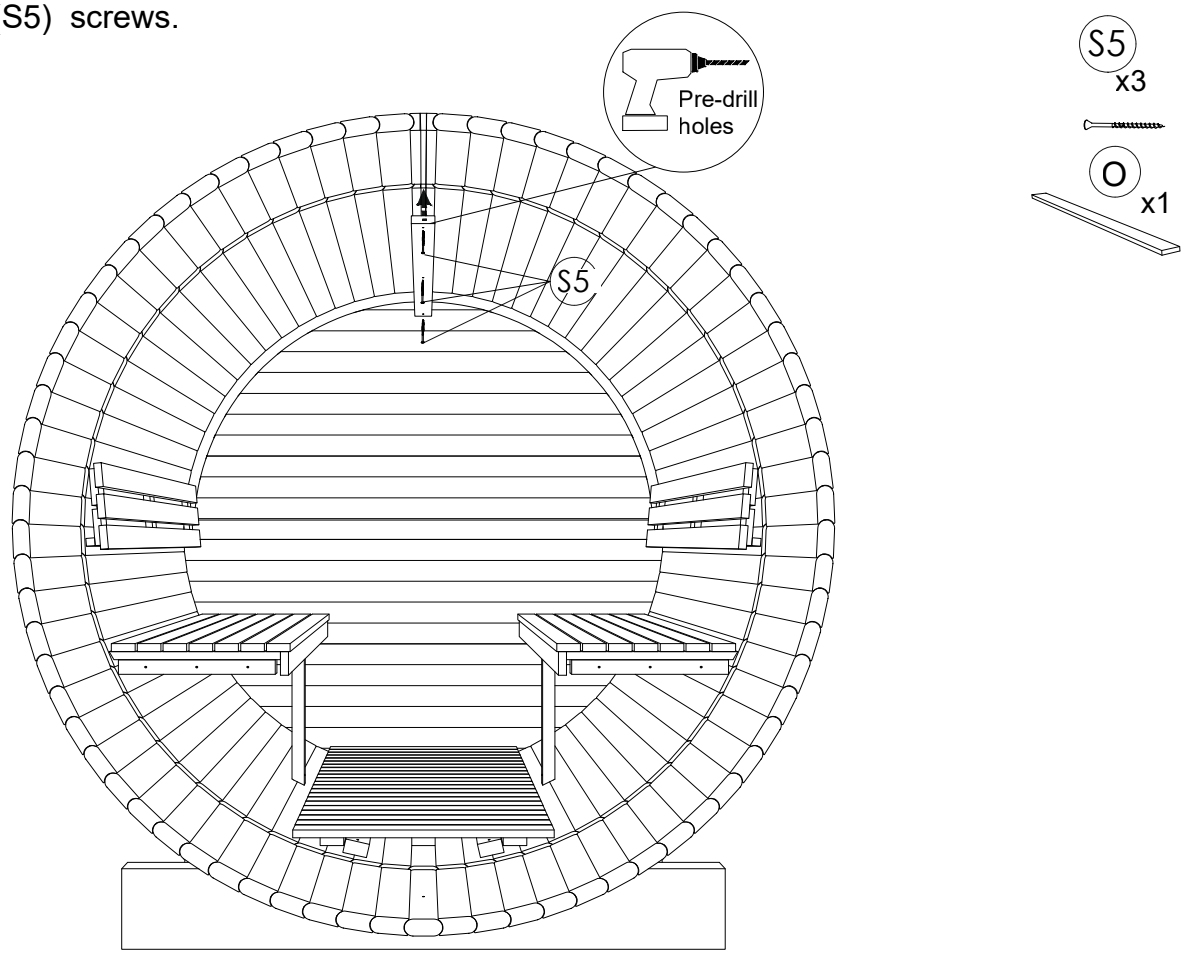
STEP 19: Place floor duckboards (L) to the both sides upwards and place fixing blocks next to the flooring cross boards. Pre-drill holes before fix with screws, install fixing blocks (L1) using screw 4.0 x 70 SS (S2)R190 or 4x50SS (S5)R229.



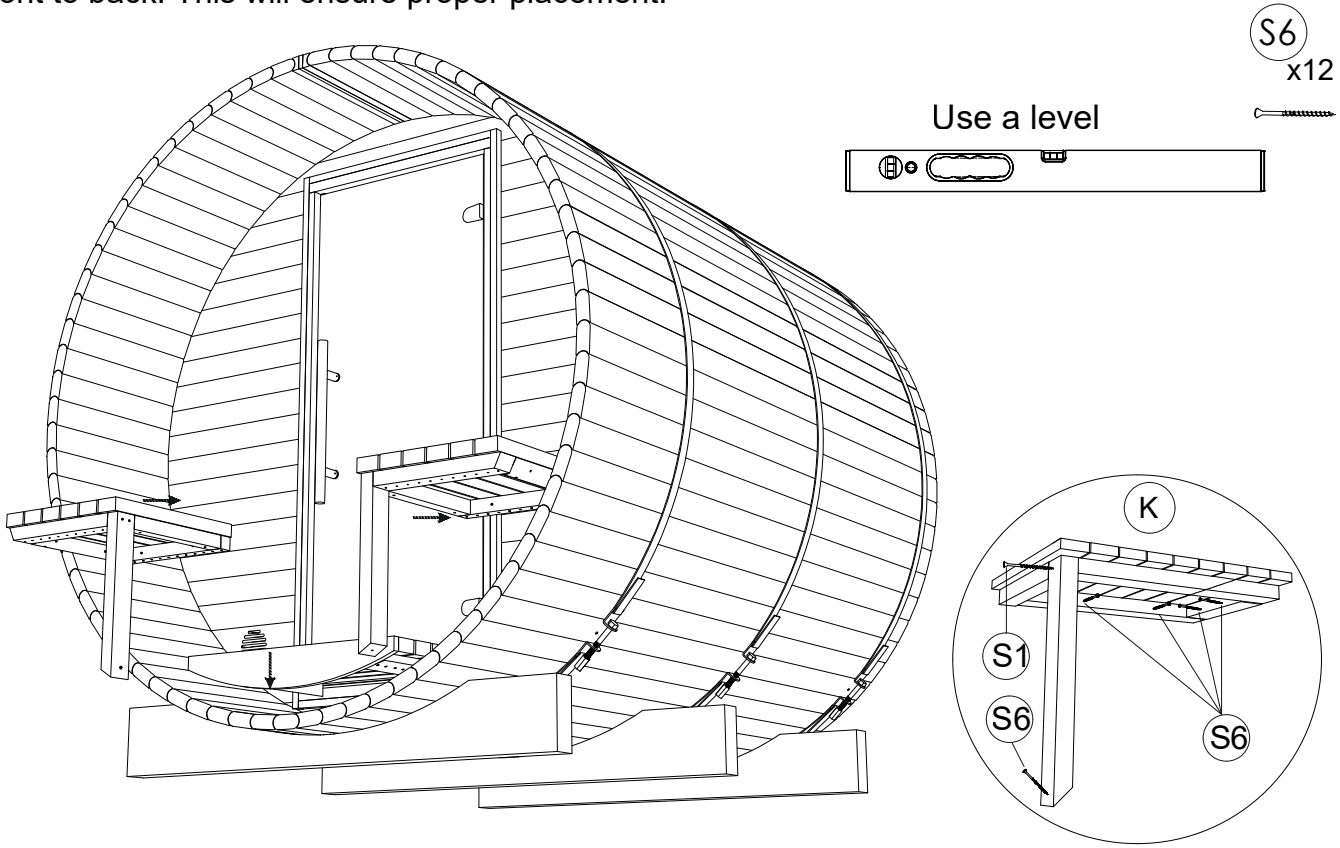
STEP 20: Pre-drill holes before fix with screws, install fixing blocks (L1) under floor duckboard using screw 4.0 x 70 SS (S2) R190 or 4x50SS (S5) R229. Place floor duckboards (L) on the floor and fix fixing blocks next to both flooring crossboards.



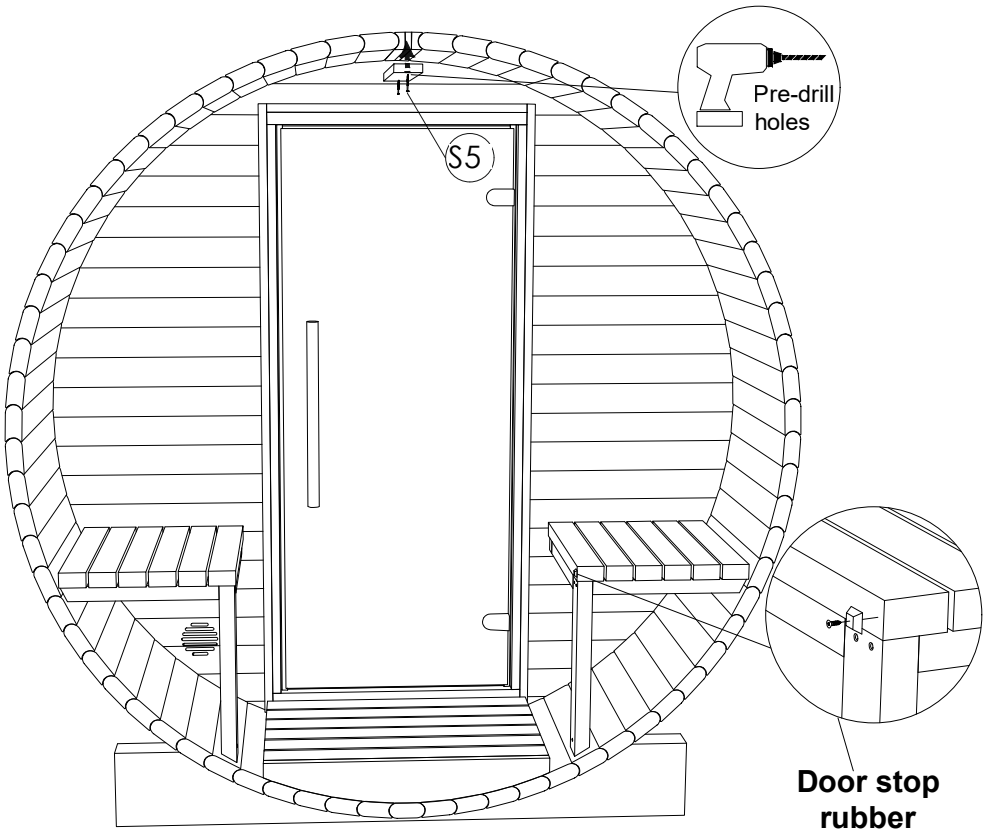
STEP 21: Pre-drill holes before fix stave with screws, install interior roof trim (O) in sauna with 4.0 x 50 SS (S5) screws.

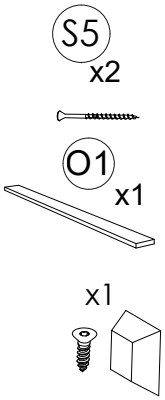


STEP 22: Install front and rear decorative roof finishing boards (W), fixing by screws 4.2x55(S7). Install porch benches (K),using screws 5.0 x 70 SS (S6) and 5.0 x 100 SS (S1). Hold the seat and leg assembly tight to the sauna wall. Using a level,make sure the bench seat is level from front to back. This will ensure proper placement.

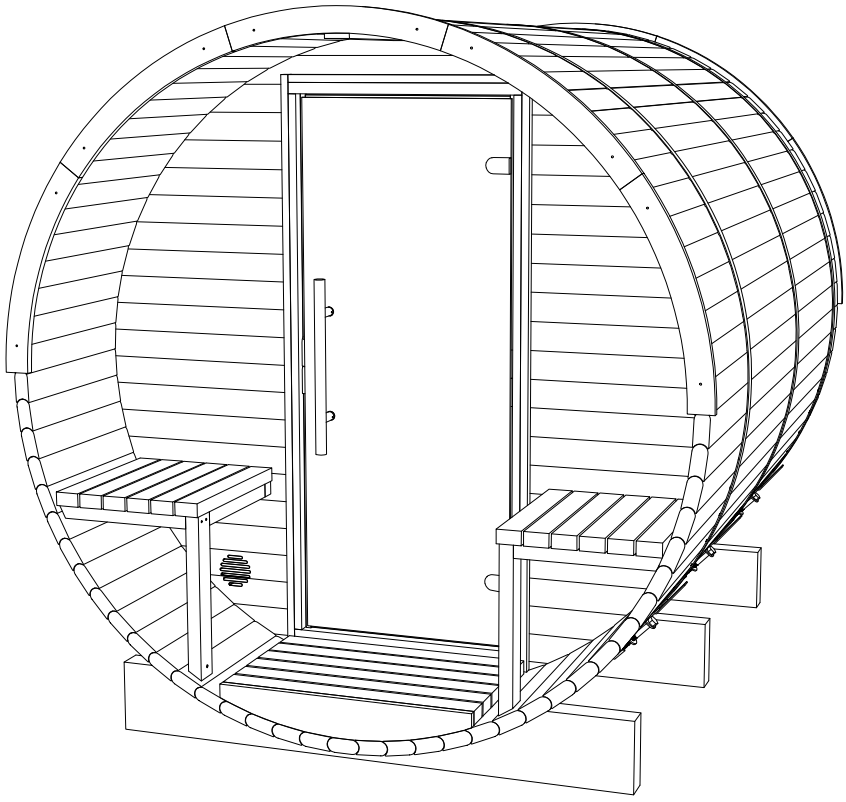


STEP 23: Pre-drill holes before fix stave with screws, install terrace roof trim (O1) in sauna with 4.0 x 50 SS (S5) screws. Install the door stop rubber as shown in the diagram.

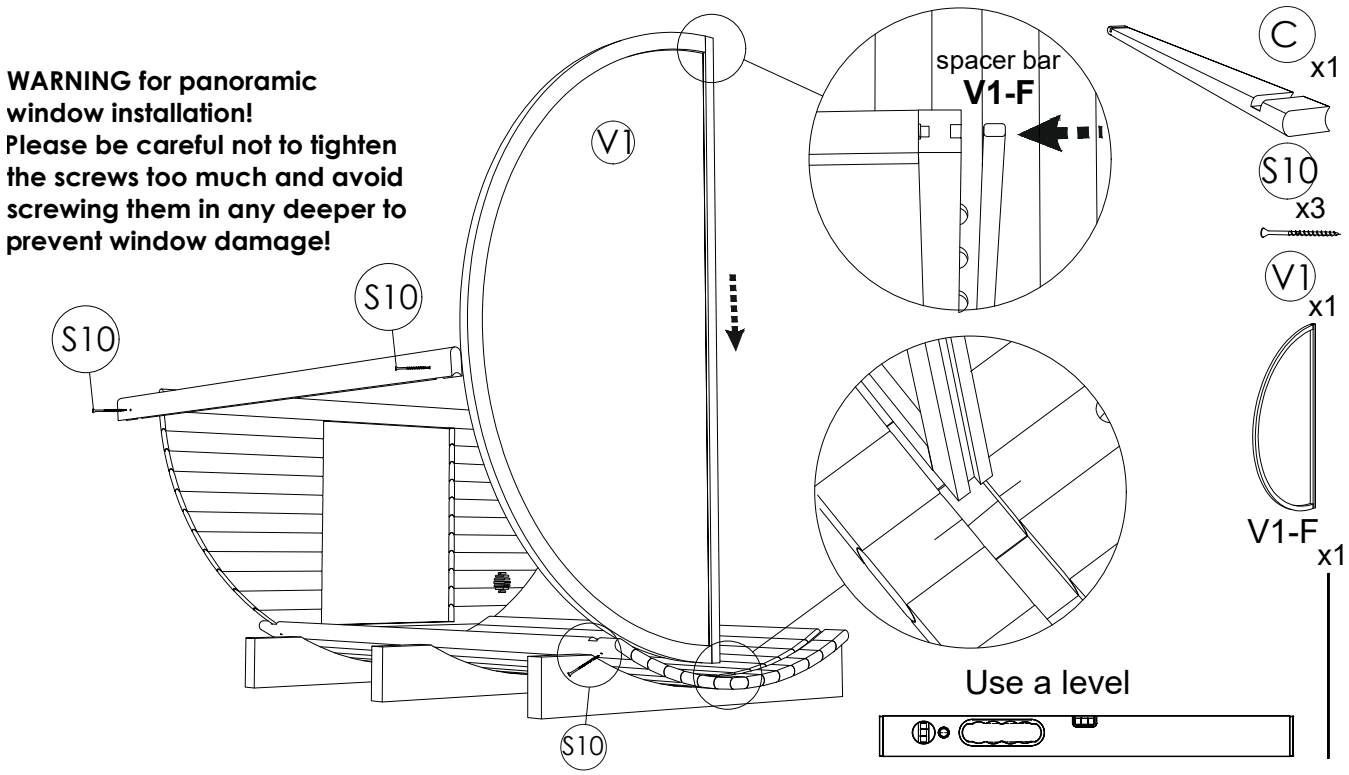




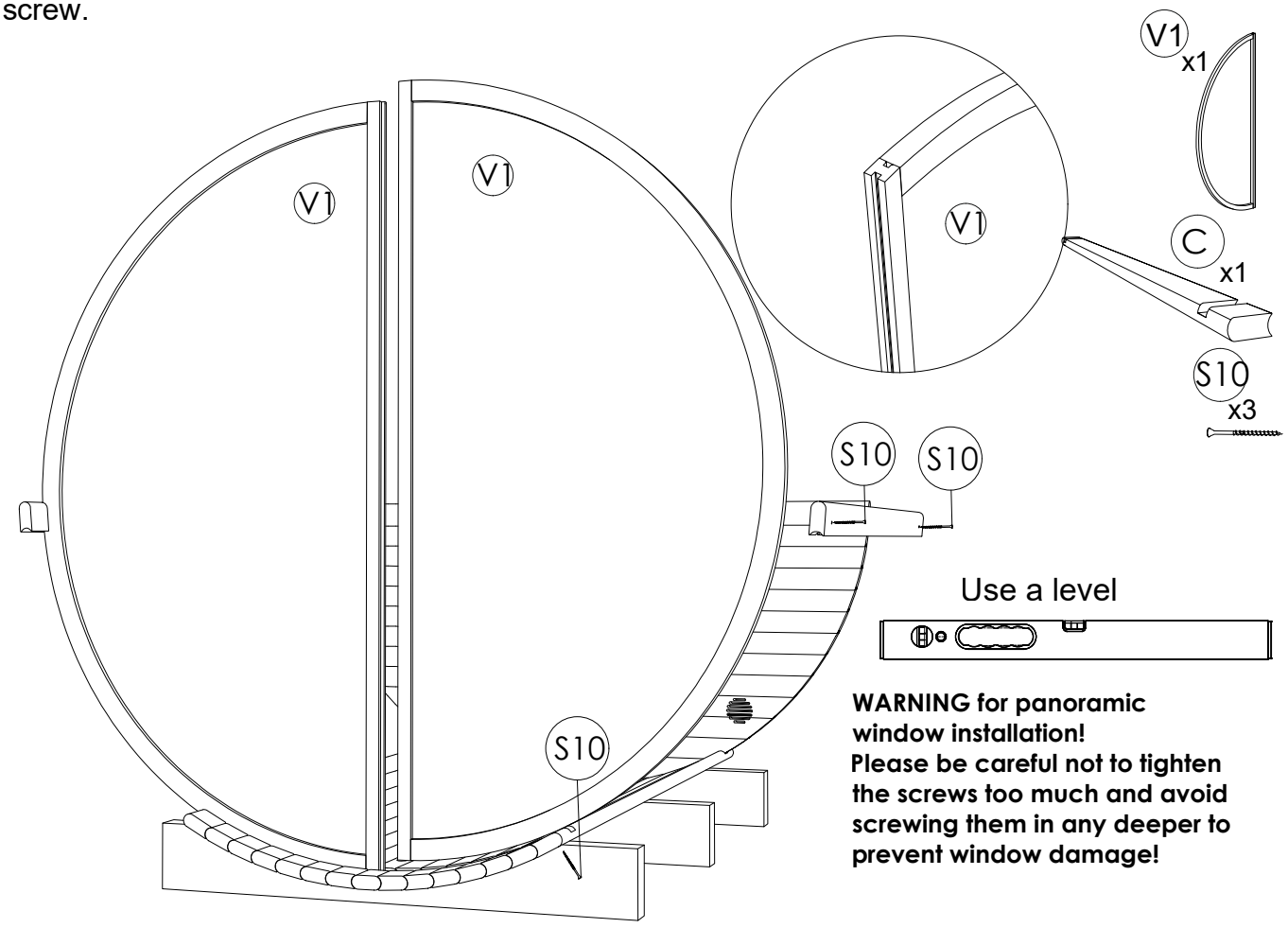
STEP 24: For shingles installation see additional manual.



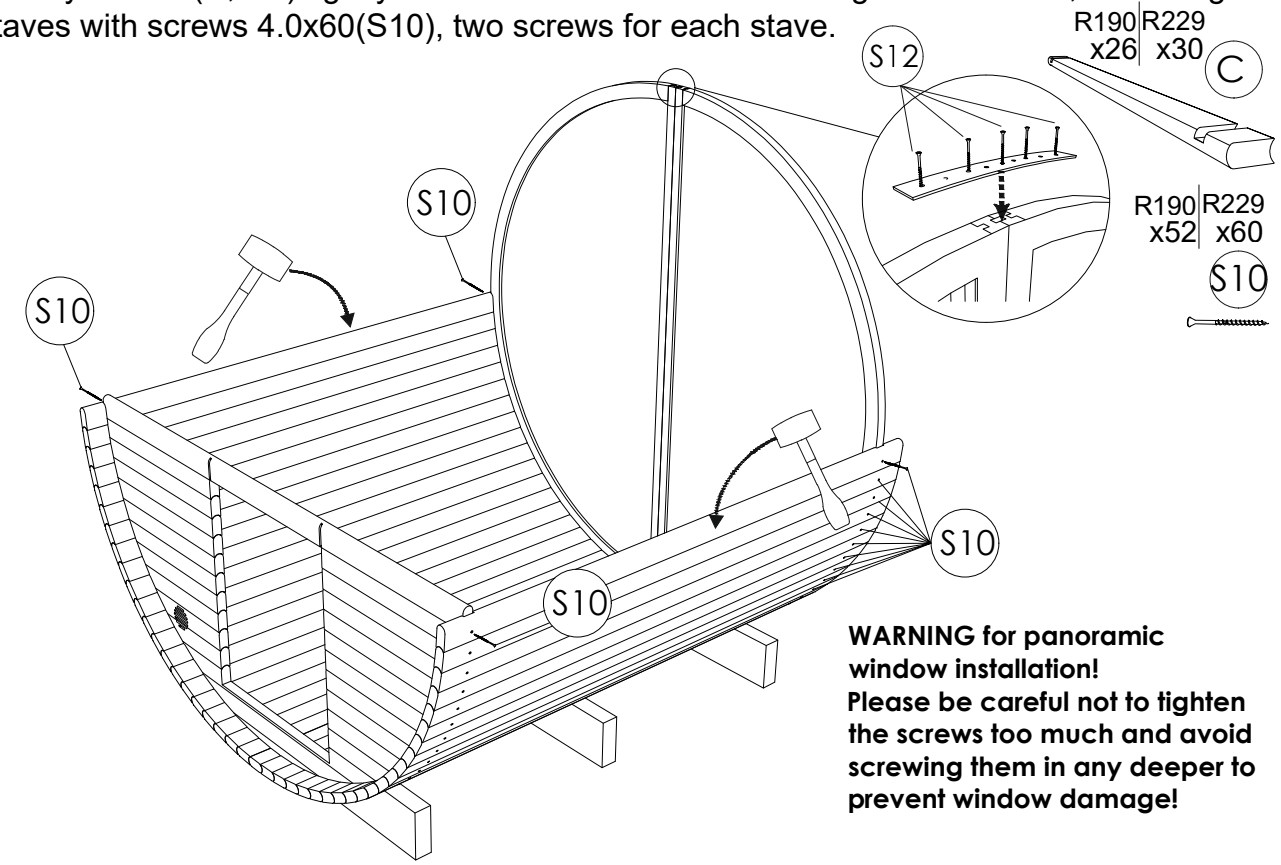
STEP 5.1: Install the first half of the panoramic windows (V1) into the stave groove, be sure panel is centered, leveled,completely seated. Fix panel using 4.0 x 60 (S10) screw through last floor stave. Connect the panels (F; V1) together with body stave (C, C1) with 4.0x60 (S10) screw.Insert wood spacer bar (V1-F) in to the fixed rear panel (V1).



STEP 5.2: Install the second half of the panoramic windows (V1) into the stave groove, be sure panel is centered, leveled,completely seated. Fix panel using 4.0 x 60 (S10) screw through last floor stave. Connect the panels (F; V1) together with body stave (C, C1) with 4.0x60 (S10) screw.

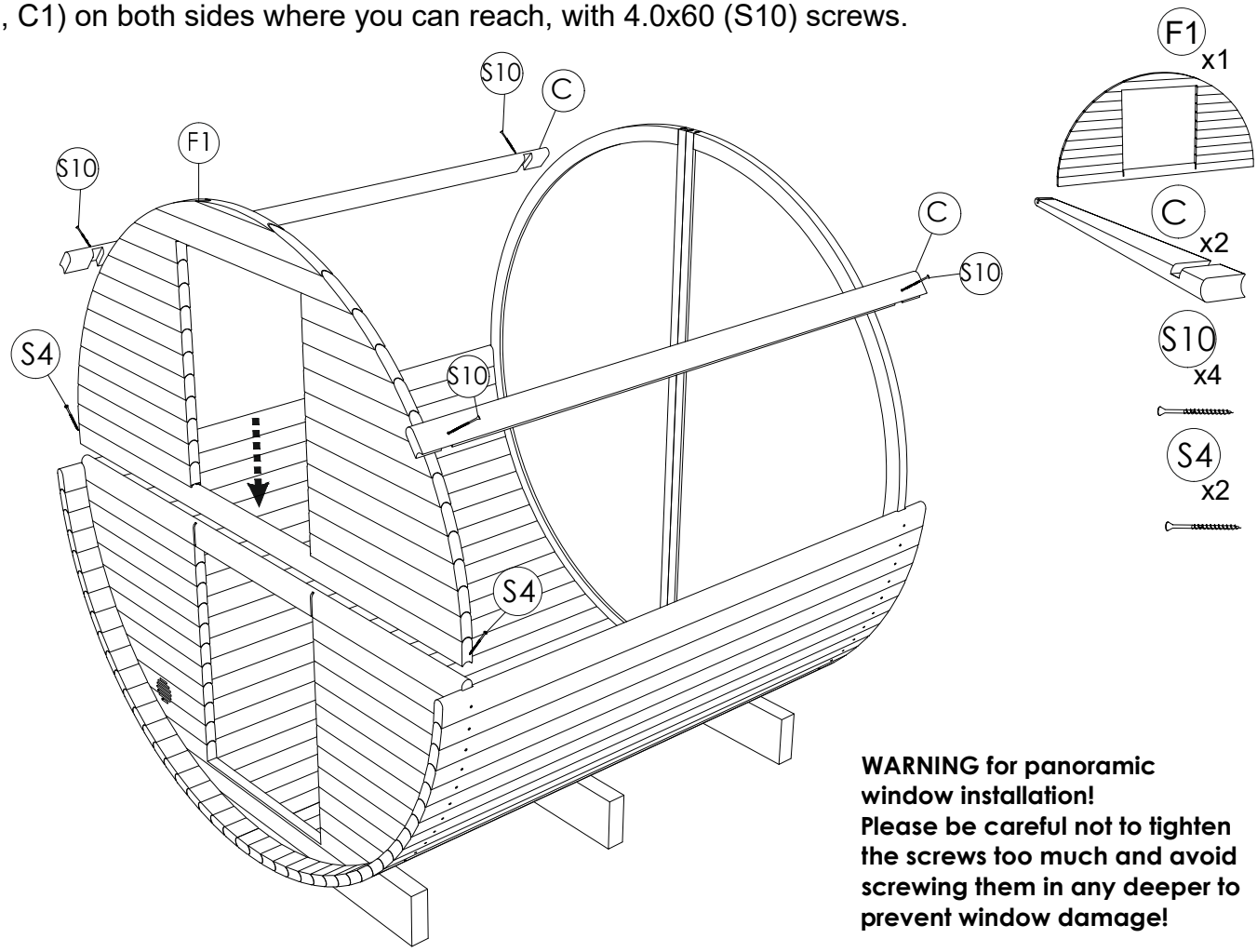


STEP 5.3: Fix Assembly tape with five 4x30 screws (S12) to fix both panels together. Continue placing body staves (C, C1) tightly on both sides of the sauna using rubber mallet, and fixing body staves with screws 4.0x60(S10), two screws for each stave.



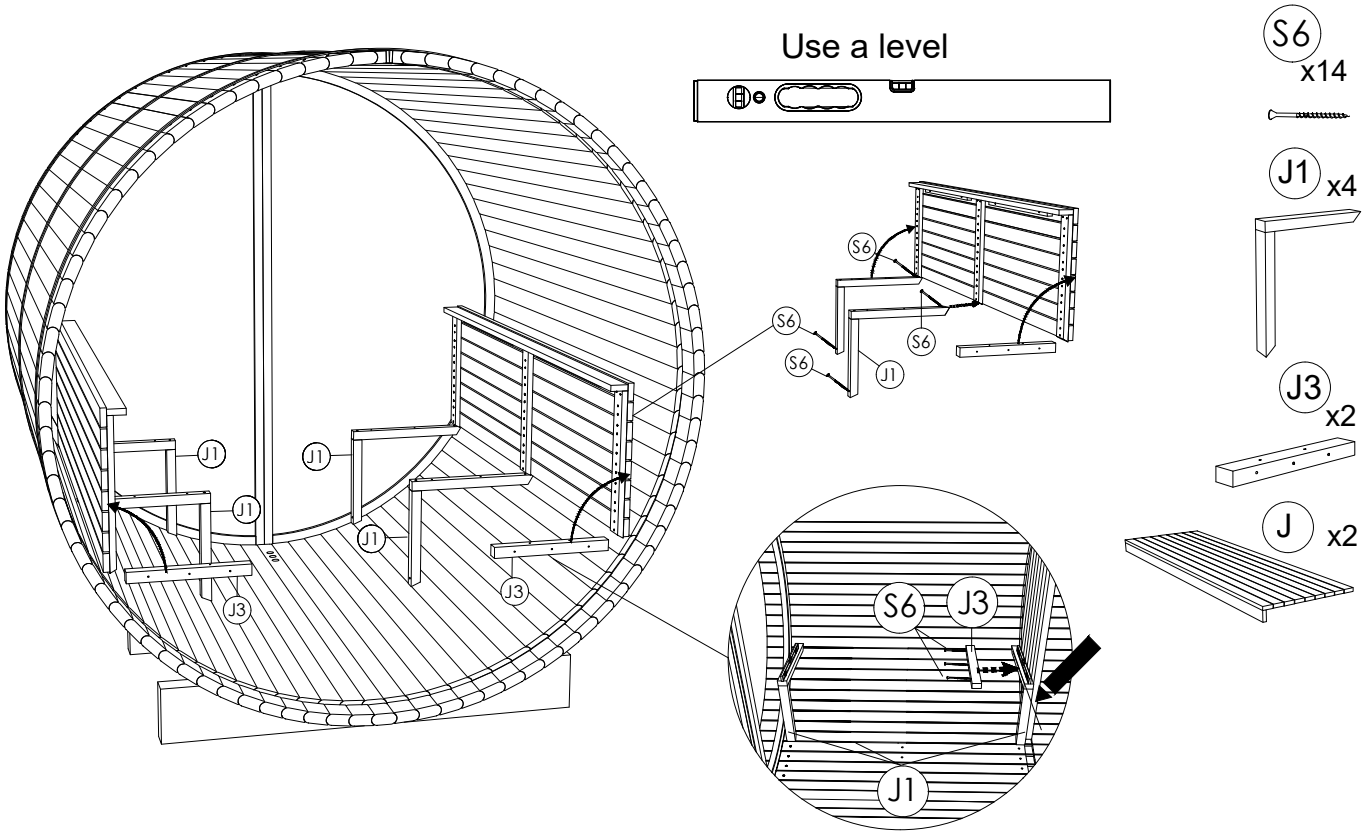
WARNING for panoramic window installation!
Please be careful not to tighten the screws too much and avoid screwing them in any deeper to prevent window damage!

STEP 5.4: Take the upper front panel (F1) and place it on top of the front panel (F). Secure it by using 2 screws 5.0 x 120 (S4). Connect the panels (F1; V1) together by placing one body stave (C, C1) on both sides where you can reach, with 4.0x60 (S10) screws.

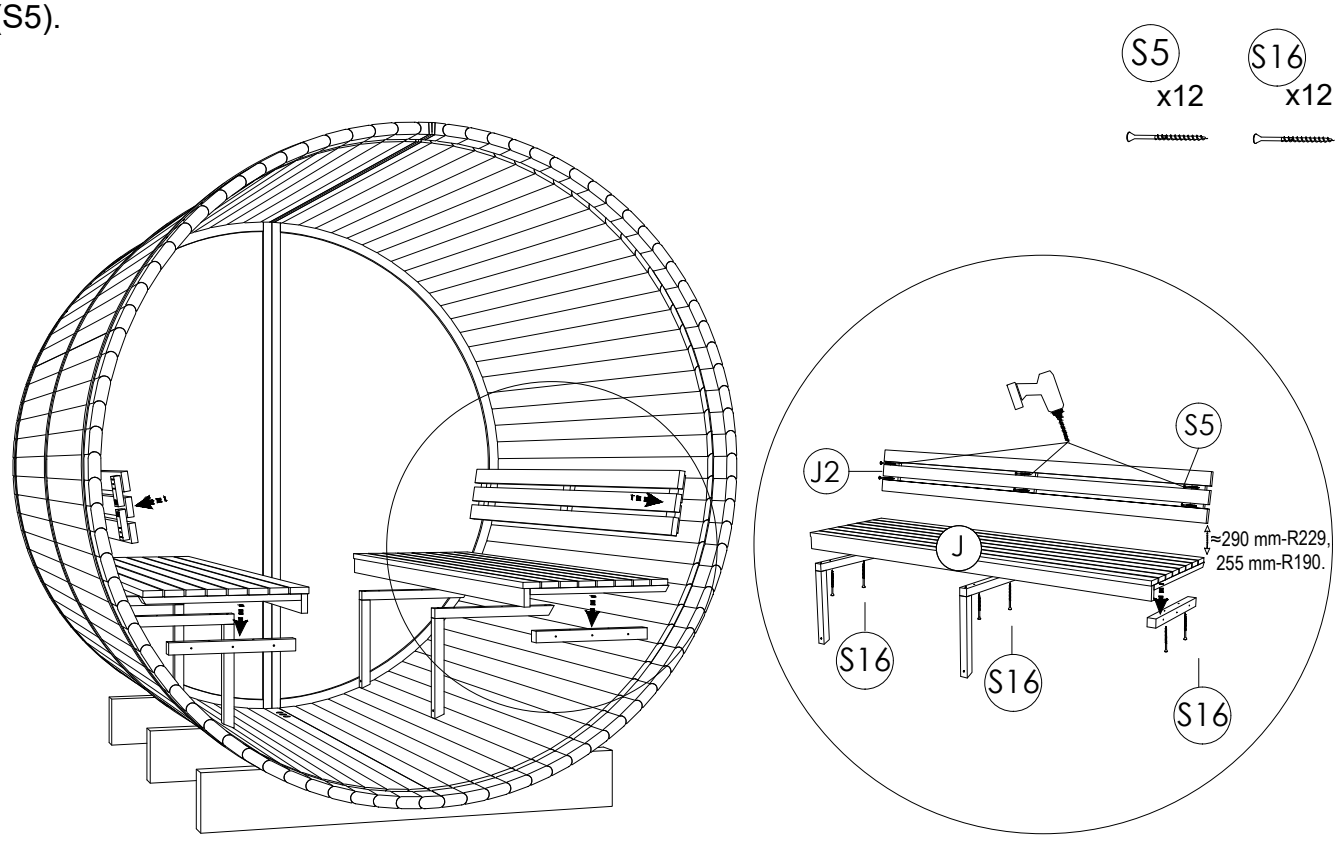


WARNING for panoramic window installation!
Please be careful not to tighten the screws too much and avoid screwing them in any deeper to prevent window damage!

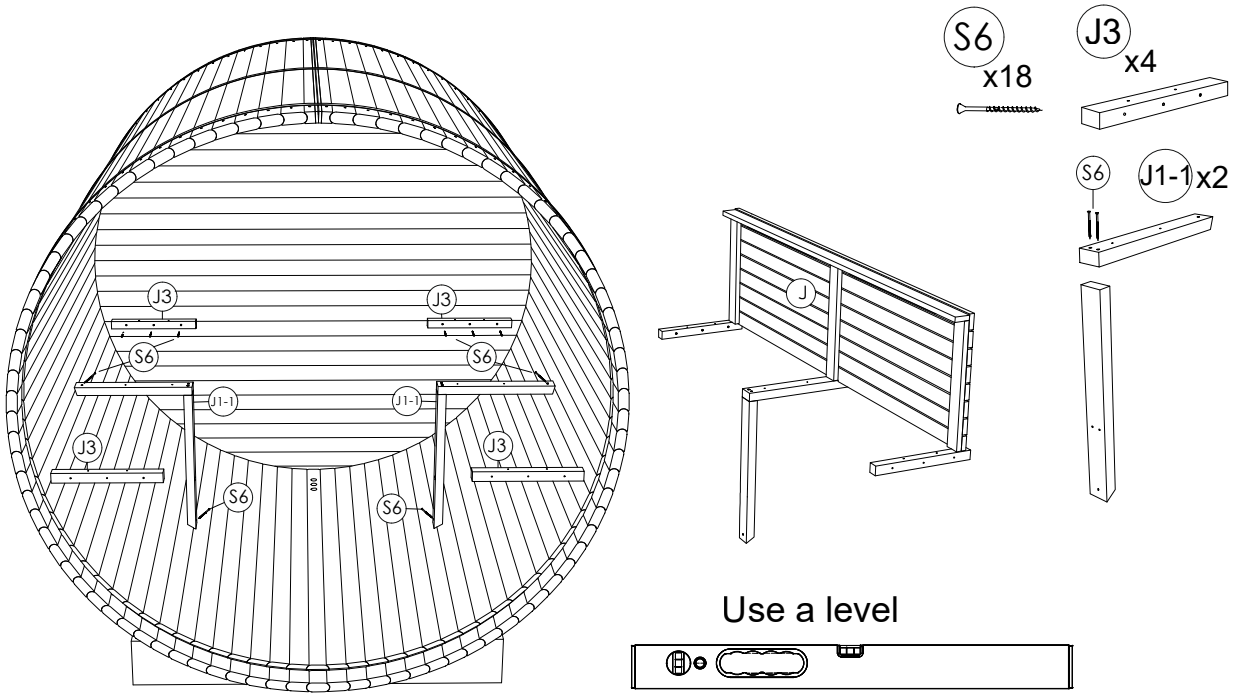
STEP 17.1: To install wall mount (J3) use interior supporting leg (J1). Put it on the sauna wall in level, mark a line where wall mounts will stand. Using screw 5.0x70 SS (S6) fix wall mount (J3) on the marked line. Install interior supporting legs (J1) in the center of bench (J) and next to panoramic panel. Stand bench on side wall mounts. Place J1 in the center and check the level. Using screw 5.0 x 70 SS (S6) fix bench leg to the wall and floor.



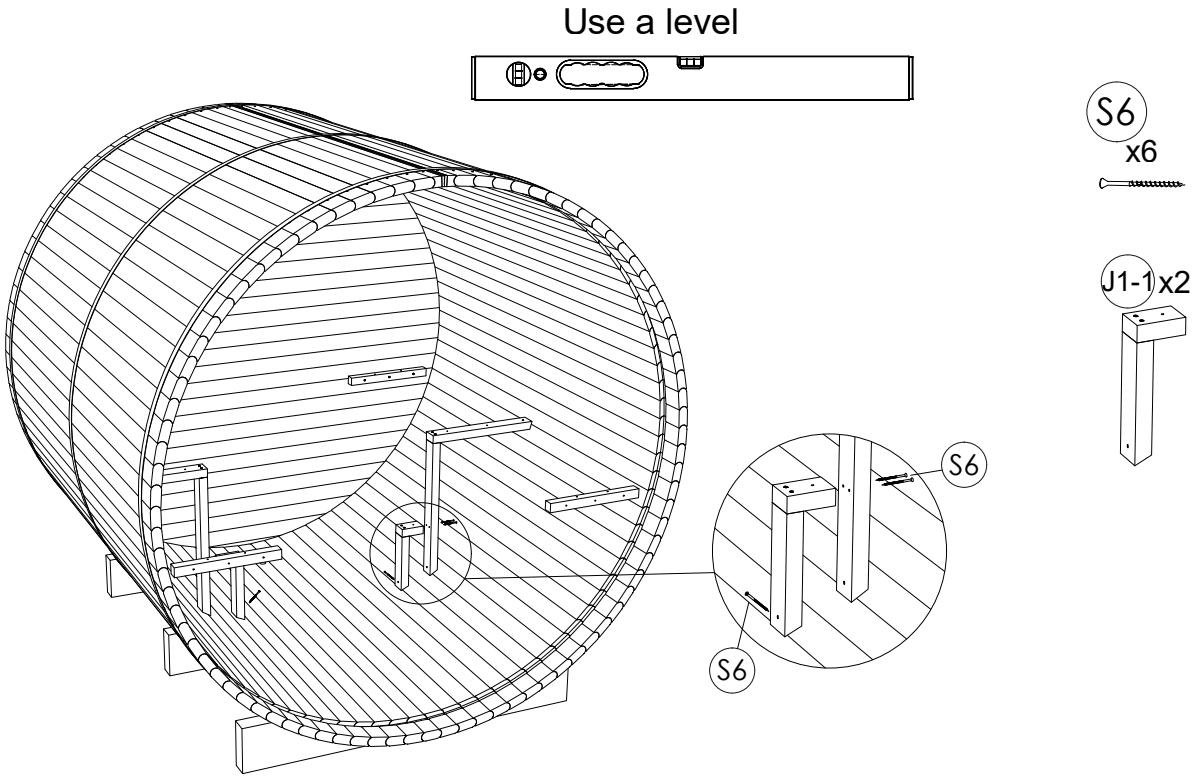
STEP 17.2: Fix sauna bench (J) to wall mounts and support leg using 4 x60 SS (S16) screws. Pre-drill holes before fix backrest with screws, install backrests (J2) using screws 4.0 x 50 SS (S5).



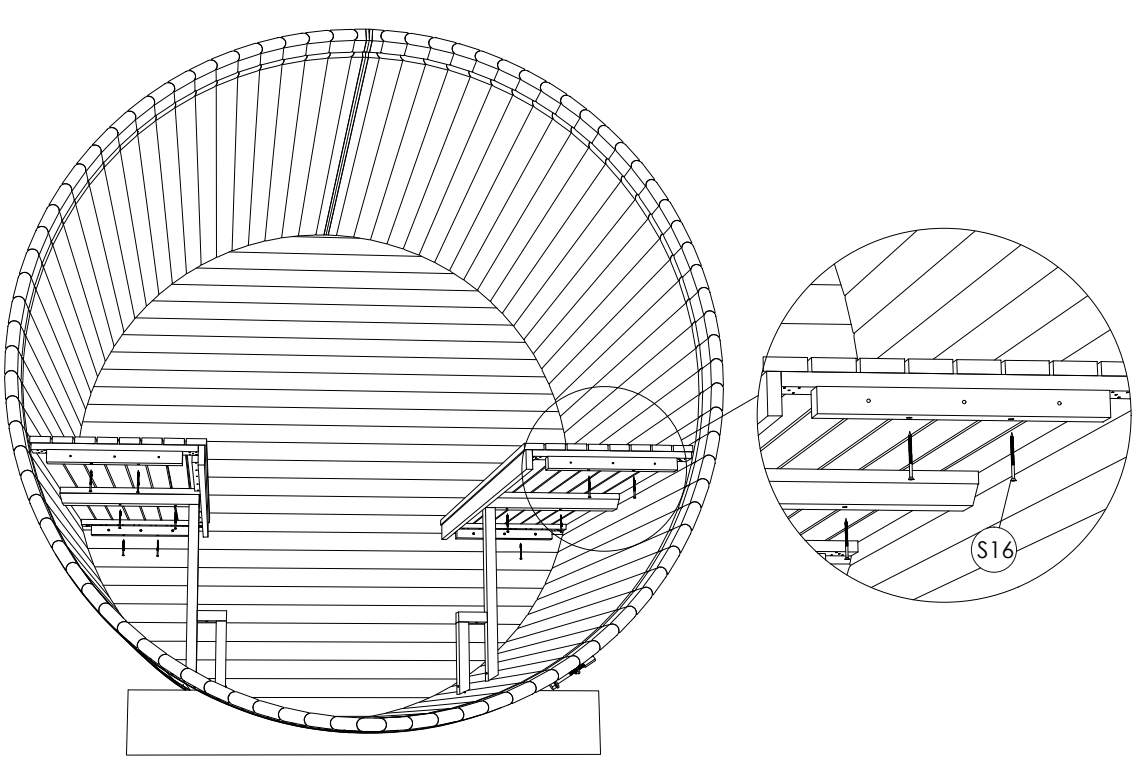
STEP 17.3: Assemble first half of the long bench leg (J1-1) with (S6) screws.To install wall mounts (J3) use long bench leg (J1-1). Put it on the sauna wall in level, mark a line where wall mounts will stand. Using screw (S6) fix wall mounts (J3) on the marked lines. Install interior supporting leg (J1-1) in the center of bench (J). Stand bench on side wall mounts. Place (J1-1) in the center and check the level. Using screw (S6) fix bench leg to the wall and floor.

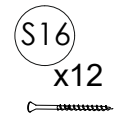


STEP 17.4: Fix second part for the long bench leg using (S6) screws. Use level.

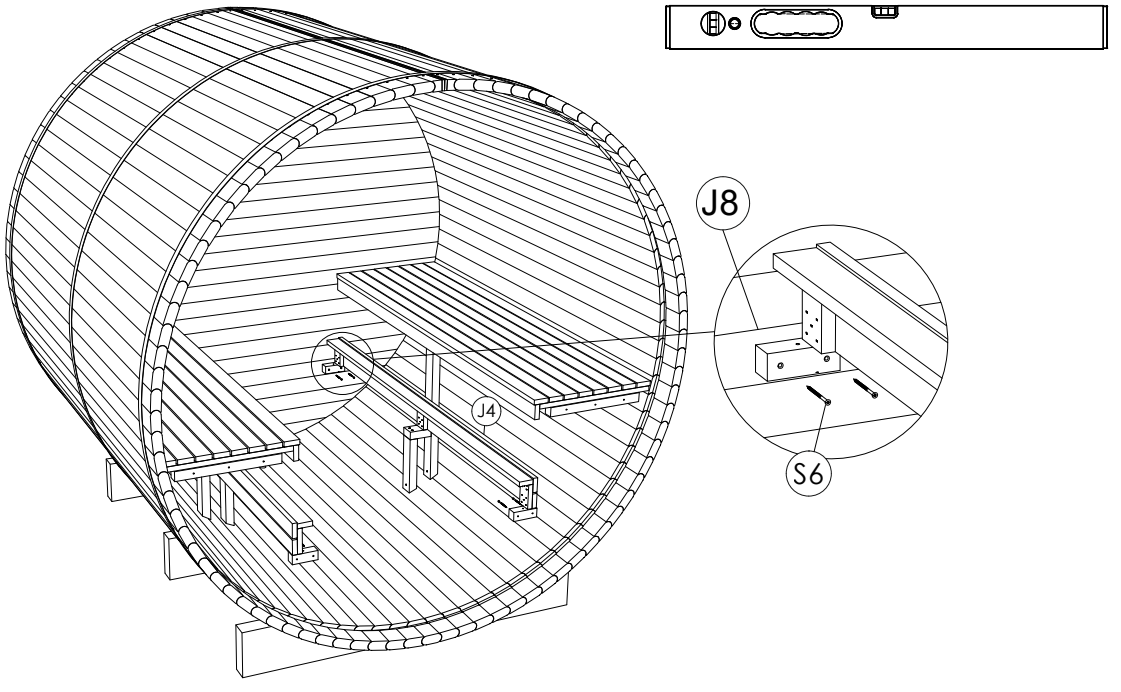


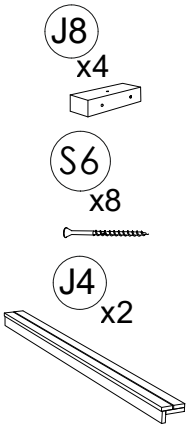
STEP 17.5: Fix sauna bench (J) to wall mounts and support leg using (S16) screws.



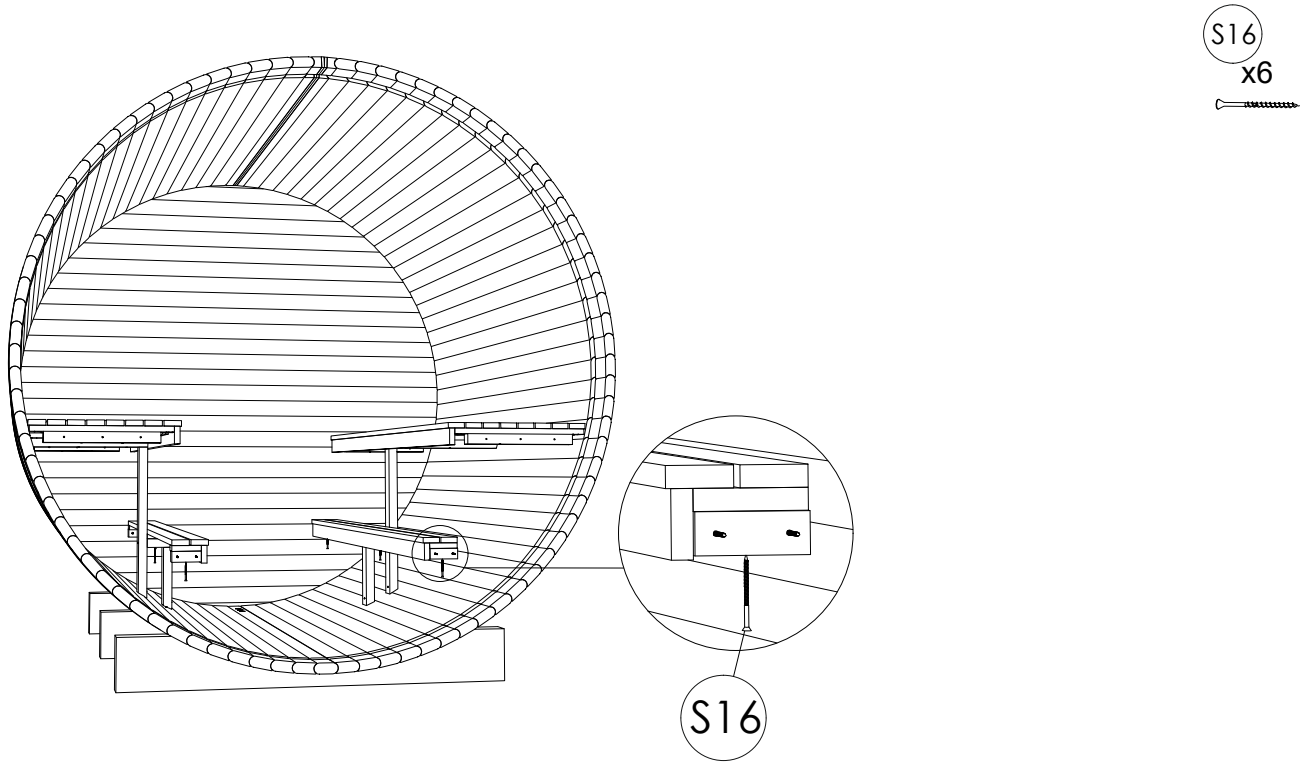


STEP 17.6: To install small wall mounts (J8) use (J4) step bench. Put it on the middle leg faced upwards in level, mark a line where wall mounts will stand. Using screw (S6) fix wall mounts on the marked lines.





STEP 17.7: Fix sauna step bench (J4) to wall mounts and support leg using (S16) screws.



STEP 17.8: Fix backrest support blocks (J5-1) at the bottom on the backrest crossboard (J2) using (S11) screws. Fix backrest about 255 mm from bench using (S2) screws.

