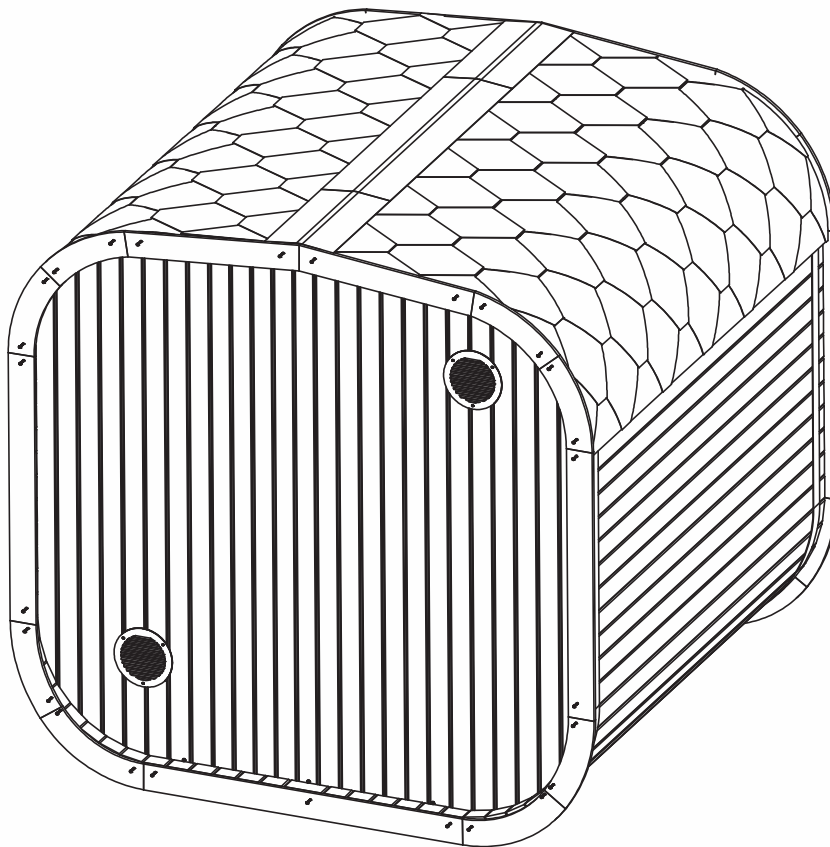
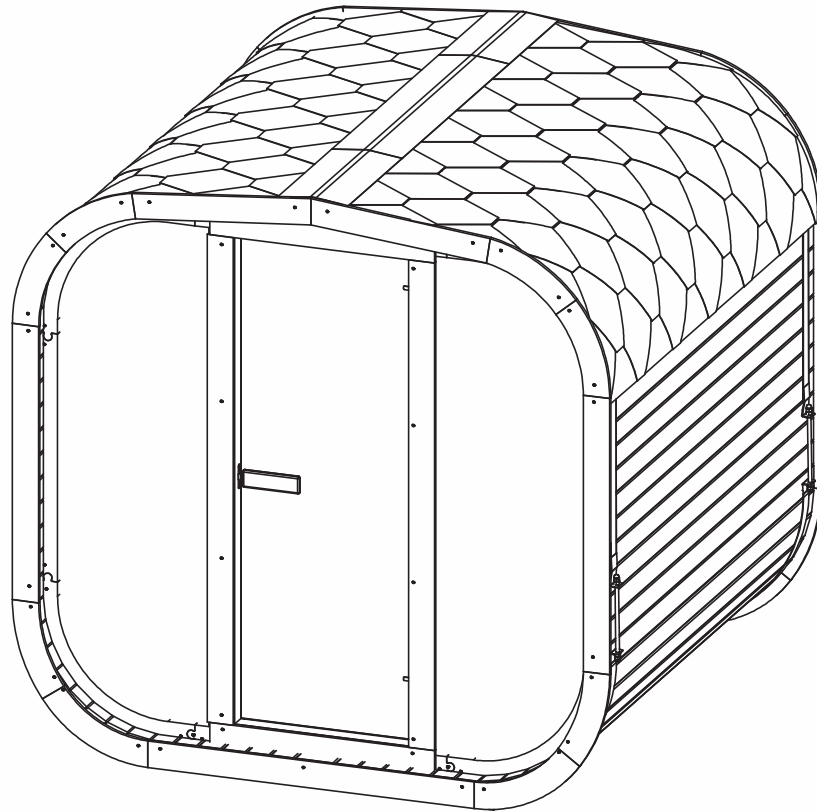


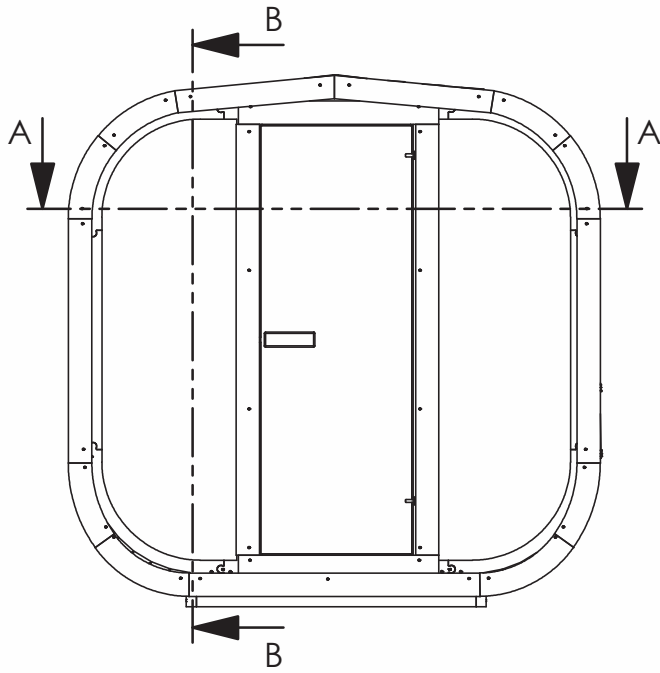
MW20 ThermoWood® Outdoor Sauna



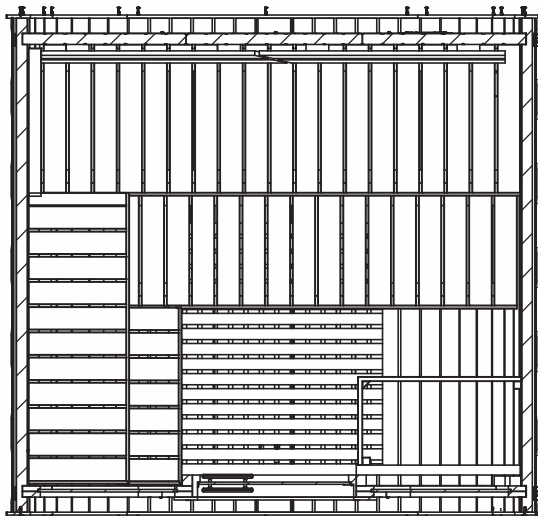
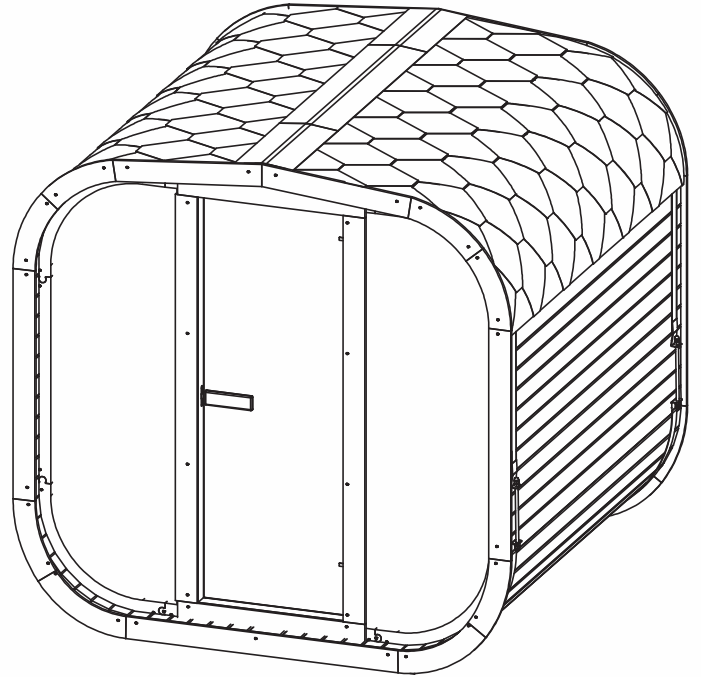
Read this instruction before assembly



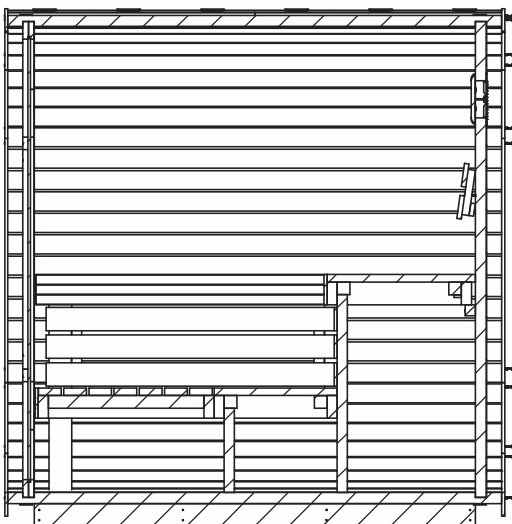
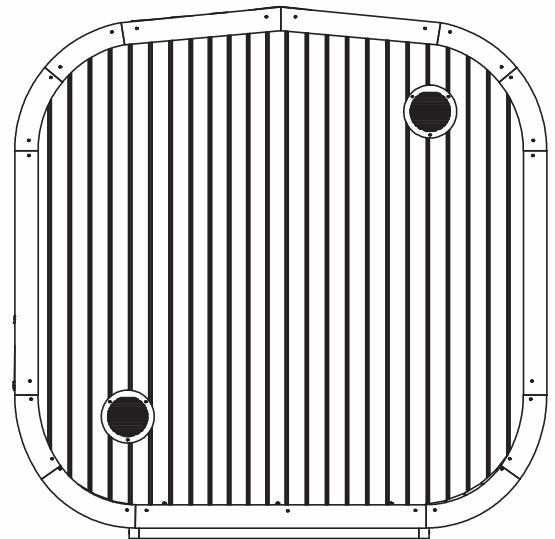
MANDE
SAUNA & HOT TUB



SECTION A-A
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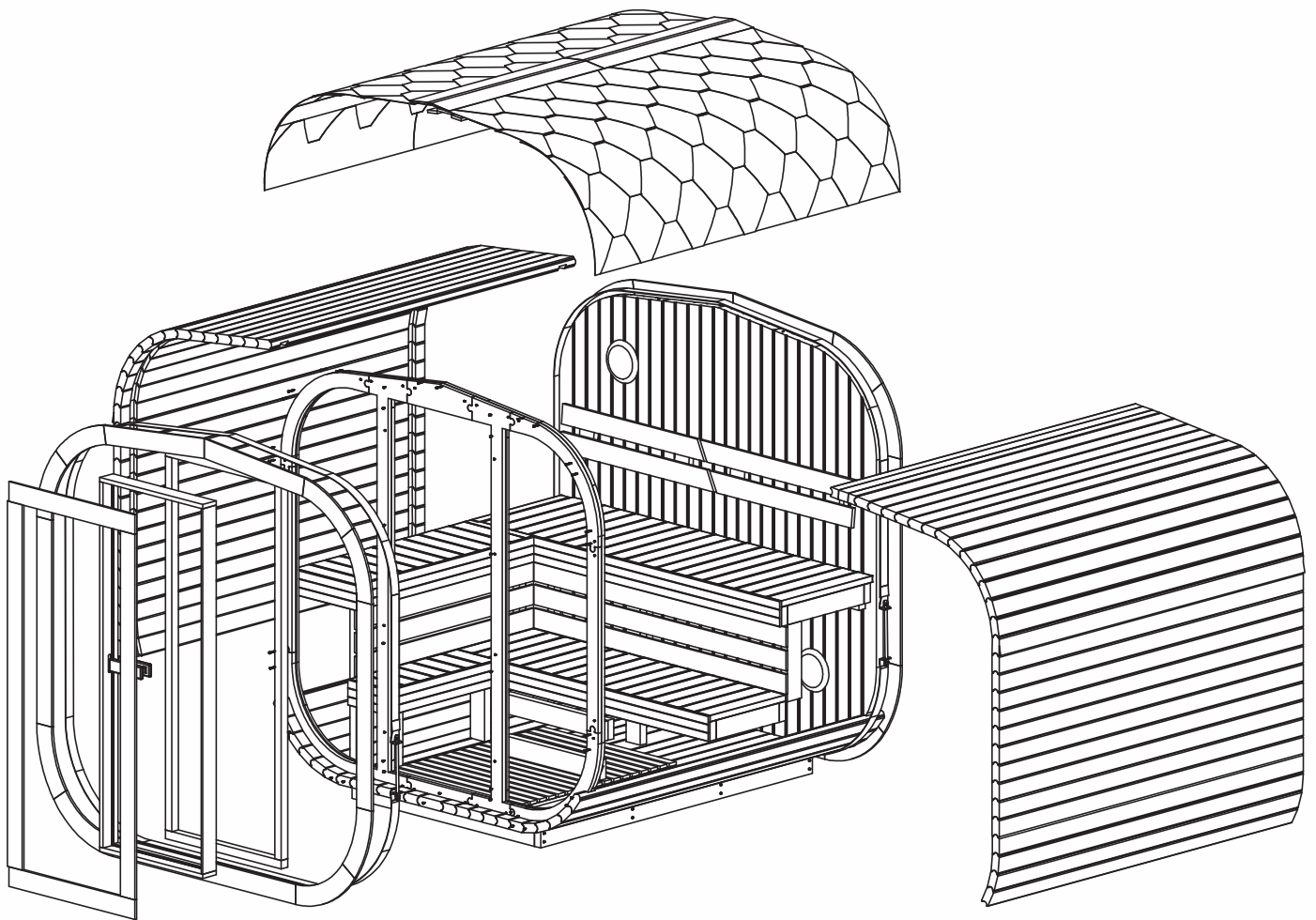


SECTION B-B
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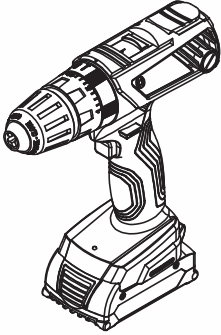
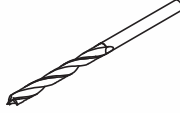
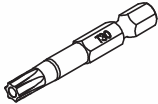
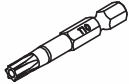
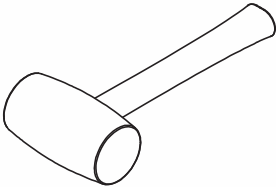
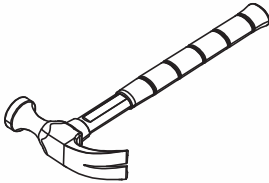
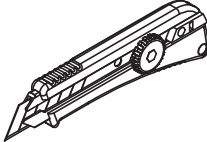
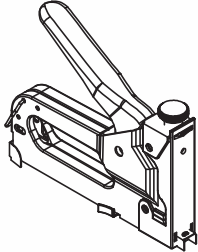
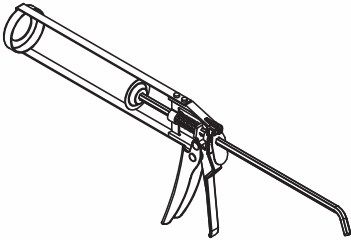
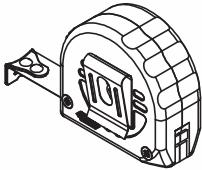
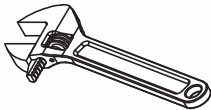
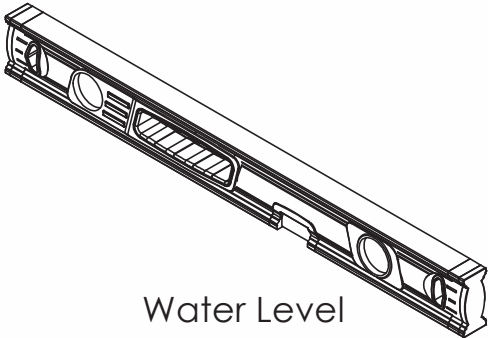




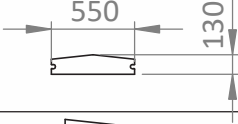
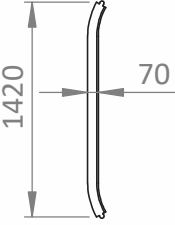
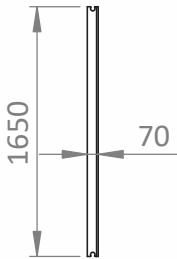
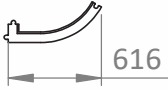
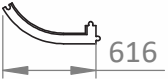
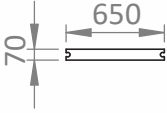
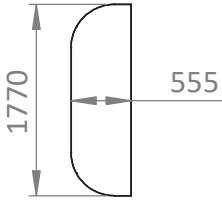
MANDE
SAUNA & HOT TUB



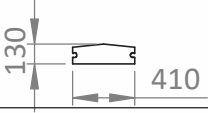
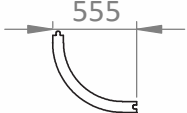
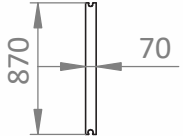
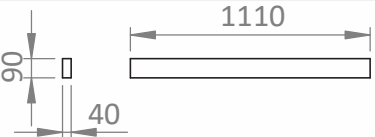
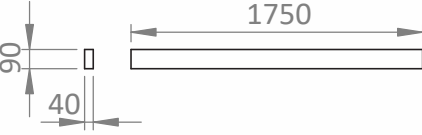
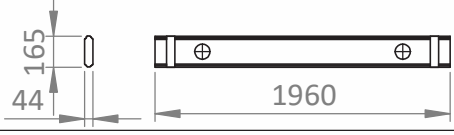
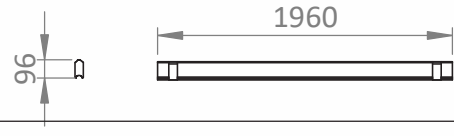
Recommended Tool List:

 Power Drill	 Ø8 Drill Bit Ø0.313 in.	 Ø5mm Drill Bit Ø0.2 in.	 Ø4mm Drill Bit Ø0.157 in.
	 Torx 30	 Torx 20	 Torx 10
 Rubber Mallet	 Hammer	 Utility Knife	 Staple Gun
 Silicone Dispenser		 Silicone	 Black Rubber Sealant
 Measuring Tape	 Wrench x2	 Water Level	

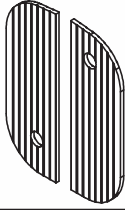
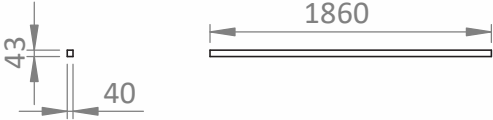
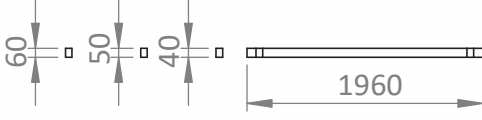
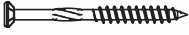
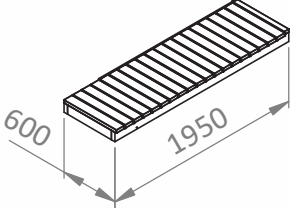
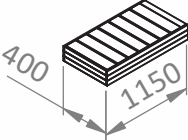
Part List (1/6):

ITEM NO.	QTY.	DESCRIPTION	COMPONENT REFERENCE (mm)	REFERENCE (in)
1	1	Inside Top		0.9 x 5.1 x 21.65
2	1	Top Corner Right		0.9 x 11.8 x 27.3
3	1	Top Corner Left		0.9 x 11.8 x 27.3
4	2	Inside Left		0.9 x 2.75 x 55.9
5	2	Inside Doorway		0.9 x 2.75 x 65
6	1	Inside Bottom Left Corner		0.9 x 10.6 x 24.25
7	1	Inside Bottom Left Corner		0.9 x 10.6 x 24.25
8	1	Inside Bottom Middle Part		0.9 x 7.75 x 25.6
9	2	Tempered Glass Window		21.85 x 69.7

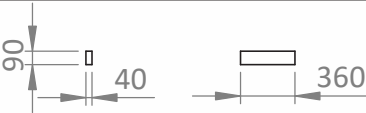
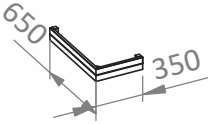
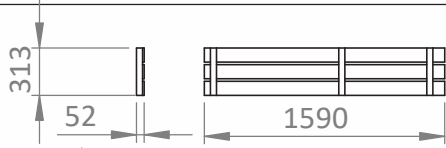
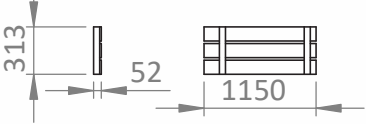
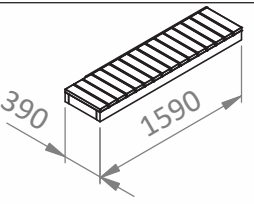
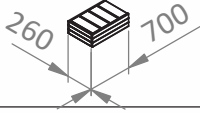
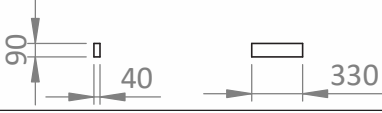
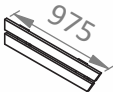
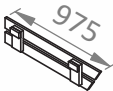
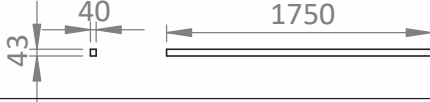
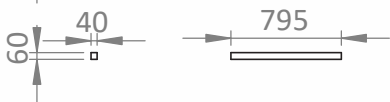
Part List (2/6):

ITEM NO.	QTY.	DESCRIPTION	COMPONENT REFERENCE (mm)	REFERENCE (in)
10	1	Front Top		0.9 x 5.11 x 16.1
11	2	Front Top Corner		0.9 x 21.65 x 21.85
12	2	Front Middle		0.9 x 11.6 x 75.9
13	2	Front Bottom Curve		0.9 x 21.14 x 21.85
14	1	Front Bottom Middle		0.9 x 2.75 x 16.14
15	2	Front Side		0.9 x 2.75 x 34.25
16	32	Torx Ø4x35 T20		Ø0.16 x 1.38
17	4	Base Part		1.5 x 3.5 x 43.7
18	2	Base Part		1.5 x 3.5 x 68.9
19	1	Center Part		1.7 x 6.5 x 77.17
20	88	Wall Section		1.7 x 3.7 x 77.17
21	2	Floor Drain		

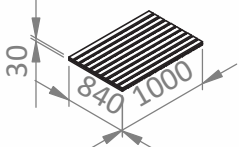
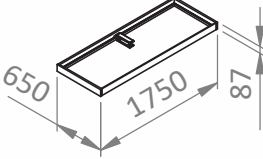
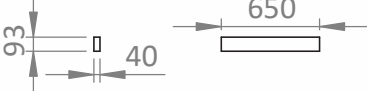
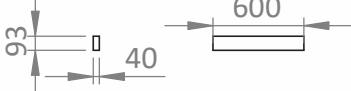
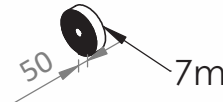
Part List (3/6):

ITEM NO.	QTY.	DESCRIPTION	COMPONENT REFERENCE (mm)	REFERENCE (in)
22	1	Back Wall Middle		1.7 x 27.5 x 76.77
23	2	Back Wall Side		1.7 x 25.6 x 75.3
24	1	Back Wall Connector		1.7 x 1.57 x 73.2
25	1	Top Insert		1.7 x 3.7 x 77.17
26	2	Vent		
27	124	Torx Ø5x120 T30		Ø0.2 x 4.73
28	330	Torx Ø4.5x60 T20		Ø0.17 x 2.36
29	30	Torx Ø6x80 T30		Ø0.23 x 3.15
30	1	Top Bench		4.7 x 23.62 x 77.17
31	1	Top Side Bench		4.7 x 15.75 x 45.28
32	1	Top Bench Support		1.5 x 3.5 x 31.3
33	1	Top Bench Support		1.5 x 3.5 x 31.1
34	1	Top Bench Support		1.5 x 3.5 x 30.7

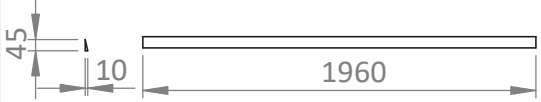
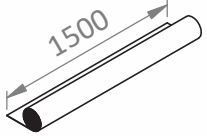
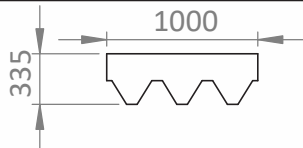
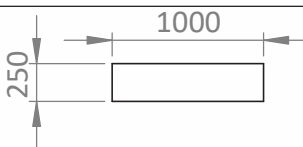
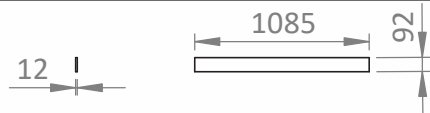
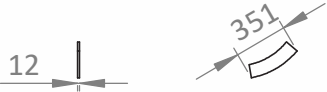
Part List (4/6):

ITEM NO.	QTY.	DESCRIPTION	COMPONENT REFERENCE (mm)	REFERENCE (in)
35	2	Back Rest Support		1.5 x 3.5 x 14.17
36	1	Heater Protector		3.5 x 13.78 x 25.6
37	1	Lower Back Rest		2 x 12.3 x 62.6
38	1	Lower Side Back Rest		2 x 12.3 x 45.23
39	1	Lower Bench		4.7 x 15.35 x 62.6
40	1	Lower Bench		4.7 x 10.23 x 27.56
41	2	Lower Bench Support		1.5 x 3.5 x 13
42	1	Back Rest Left		2.5 x 8.7 x 38.4
43	1	Back Rest Right		2.5 x 8.7 x 38.4
44	1	Ceiling Cover		0.5 x 3.6 x 68.9
45	2	Ceiling Cover		0.5 x 3.6 x 68.9
46	2	Door Frame Support		1.57 x 1.7 x 68.9
47	2	Door Frame Support		1.57 x 2.36 x 31.3

Part List (5/6):

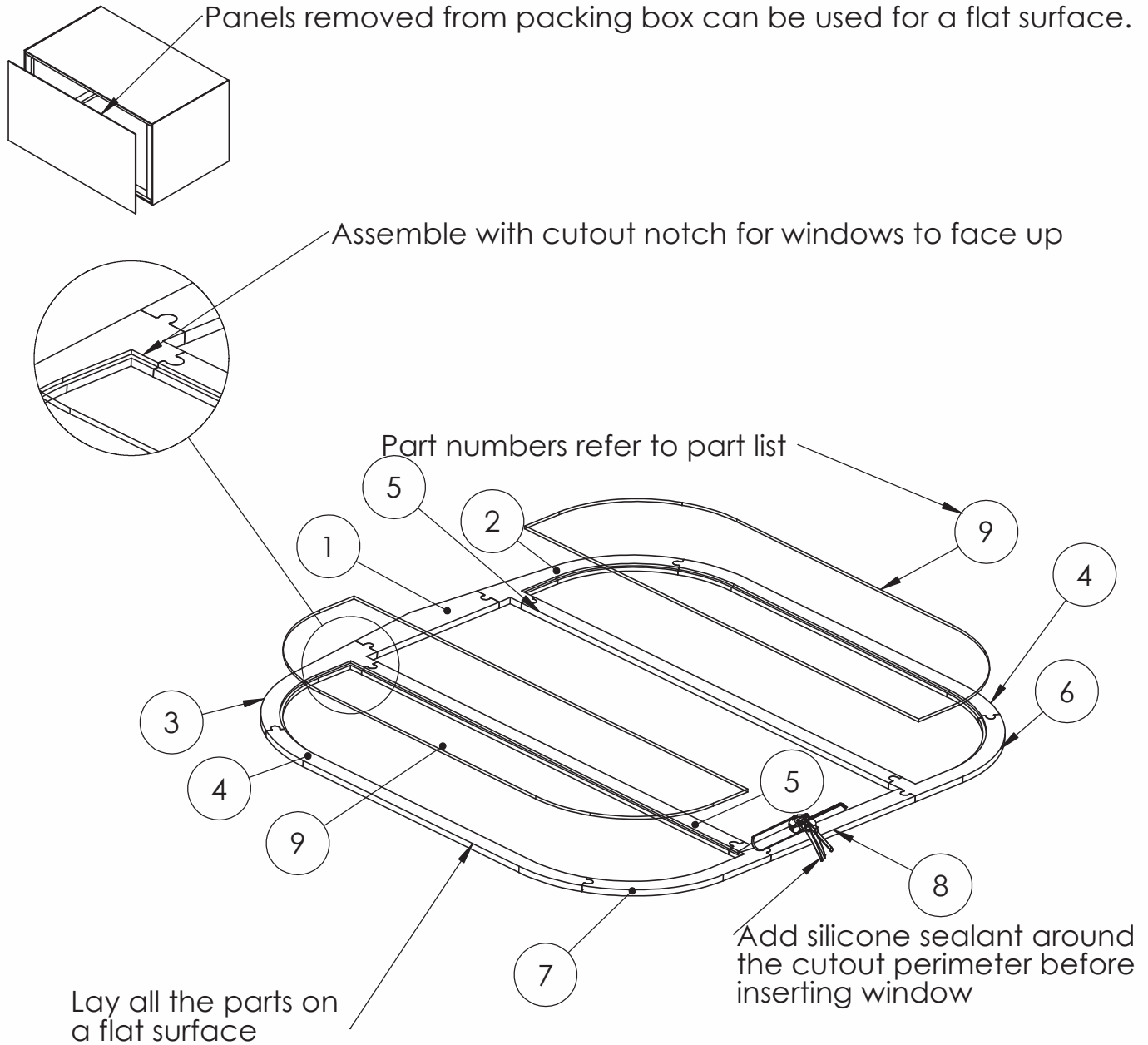
ITEM NO.	QTY.	DESCRIPTION	COMPONENT REFERENCE (mm)	REFERENCE (in)
48	1	Floor Mesh		1.2 x 33.1 x 39.37
49	1	Door		3.66 x 29.5 x 68.9
50	2	Fireplace Holder		1.5 x 1.7 x 3.5
51	1	Fireplace Holder		1.5 x 3.6 x 25.6
52	1	Fireplace Holder		1.5 x 3.6 x 23.6
53	2	Door Front Siding		0.5 x 3.6 x 31.3
54	1	Door Front Siding		0.5 x 2.36 x 31.3
55	2	Door Front Siding Vertical		0.5 x 3.6 x 67.32
56	25	Torx Ø5x90 T30		Ø0.2 x 3.5
57	2	Steel Band		2 x 275
58	2	Long Screw		Ø0.47x9.84
59	4	M12 Nut		
60	4	M12 Dome Nut		

Part List (6/6):

ITEM NO.	QTY.	DESCRIPTION	COMPONENT REFERENCE (mm)	REFERENCE (in)
61	2	Angled Roof Spacer		0.39 x 1.77 x 77.17
62	1	Roofing Felt		W59
63	55	Roof Shingle		13.19 x 39.37
64	192	Roofing Nail Ø4x22		Ø0.16 x 0.86
65	2	Top Shingle		9.84 x 39.37
66	45	Roofing Screw Ø4.8x35		Ø0.19 x 1.38
67	4	Top Cover Siding		0.5 x 3.6 x 25
68	2	Bottom Siding		0.5 x 3.6 x 42.72
69	4	Siding		0.5 x 3.6 x 38.15
70	16	Corner Siding		0.5 x 3.6 x 13.8
71	18	Torx Ø3x20 T10		Ø0.1 x 0.8

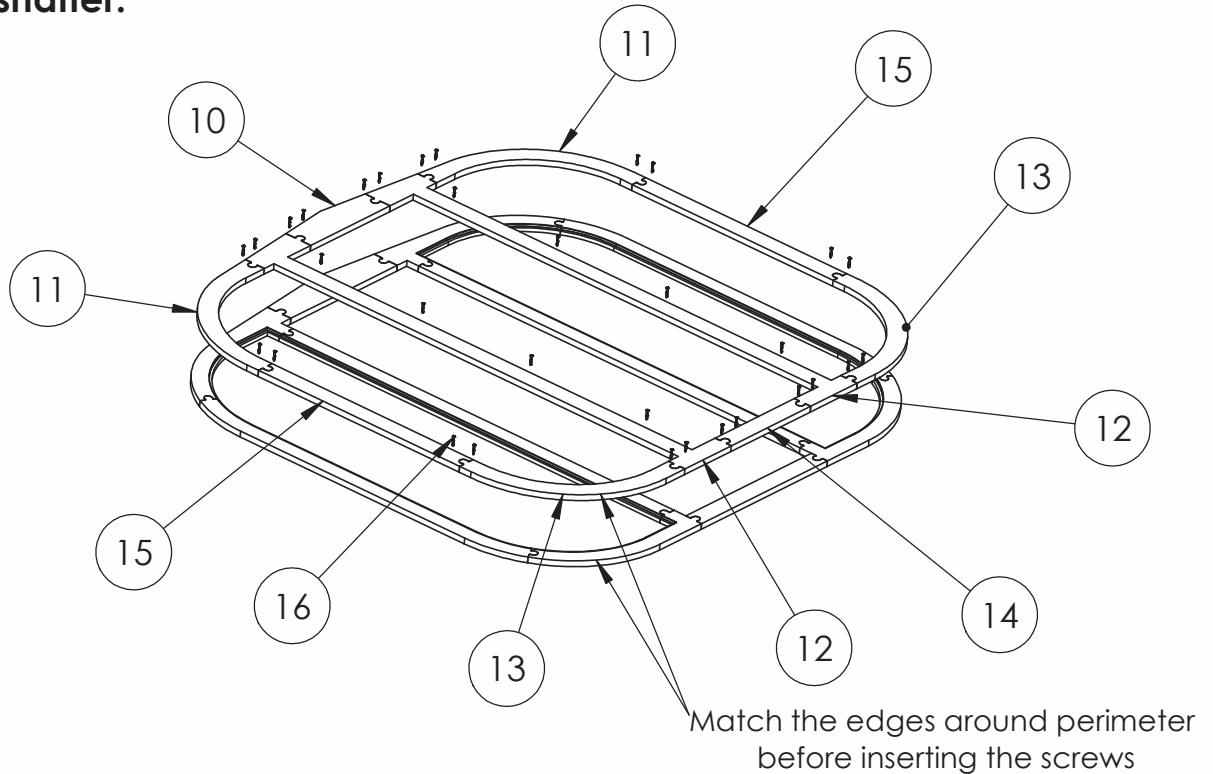
Front Wall

Important: before starting work on the walls prepare an even and flat surface!

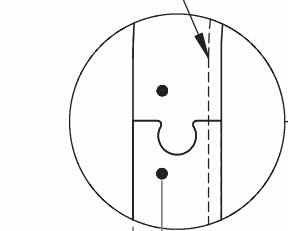


Front Wall

Important: use caution while working with glass. Do not screw or drill the glass, for it will shatter.



Be careful around the glass



1 in.
25mm

Reccomended
screw distance

Mark the center for assembly later

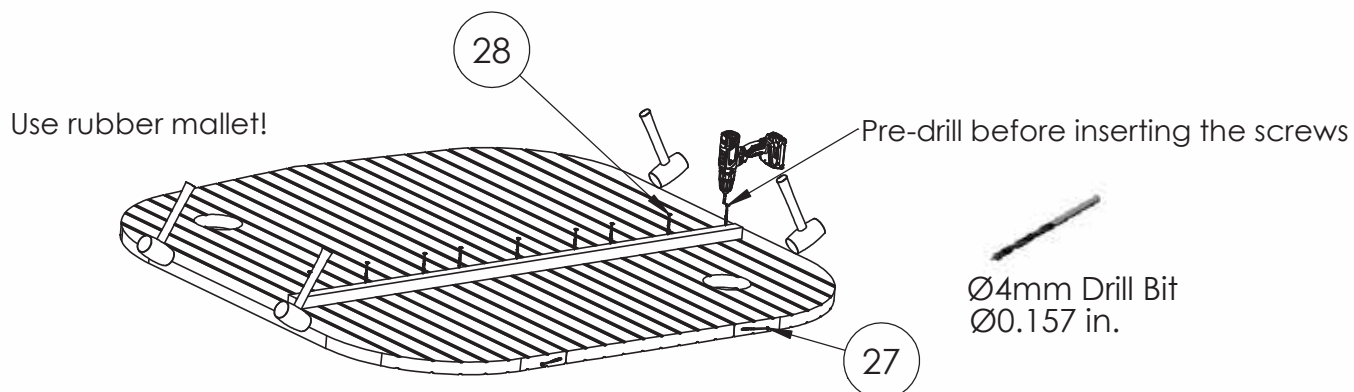
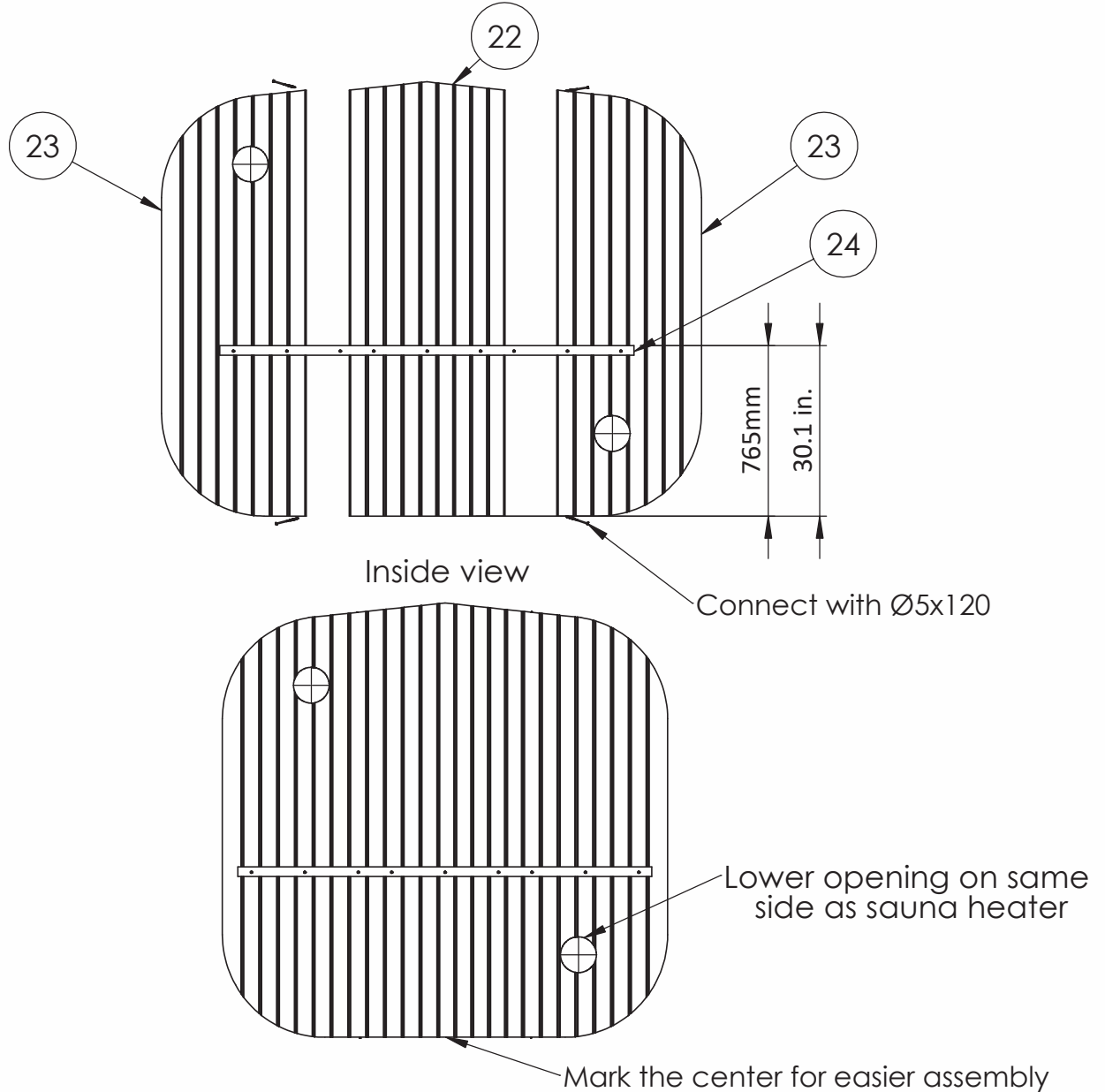
Leave the wall to rest for an hour, for the silicone to solidify.

Next parts of the assembly can be worked on during that time.

Back wall

Important: before starting work on the back wall prepare an even and flat surface!

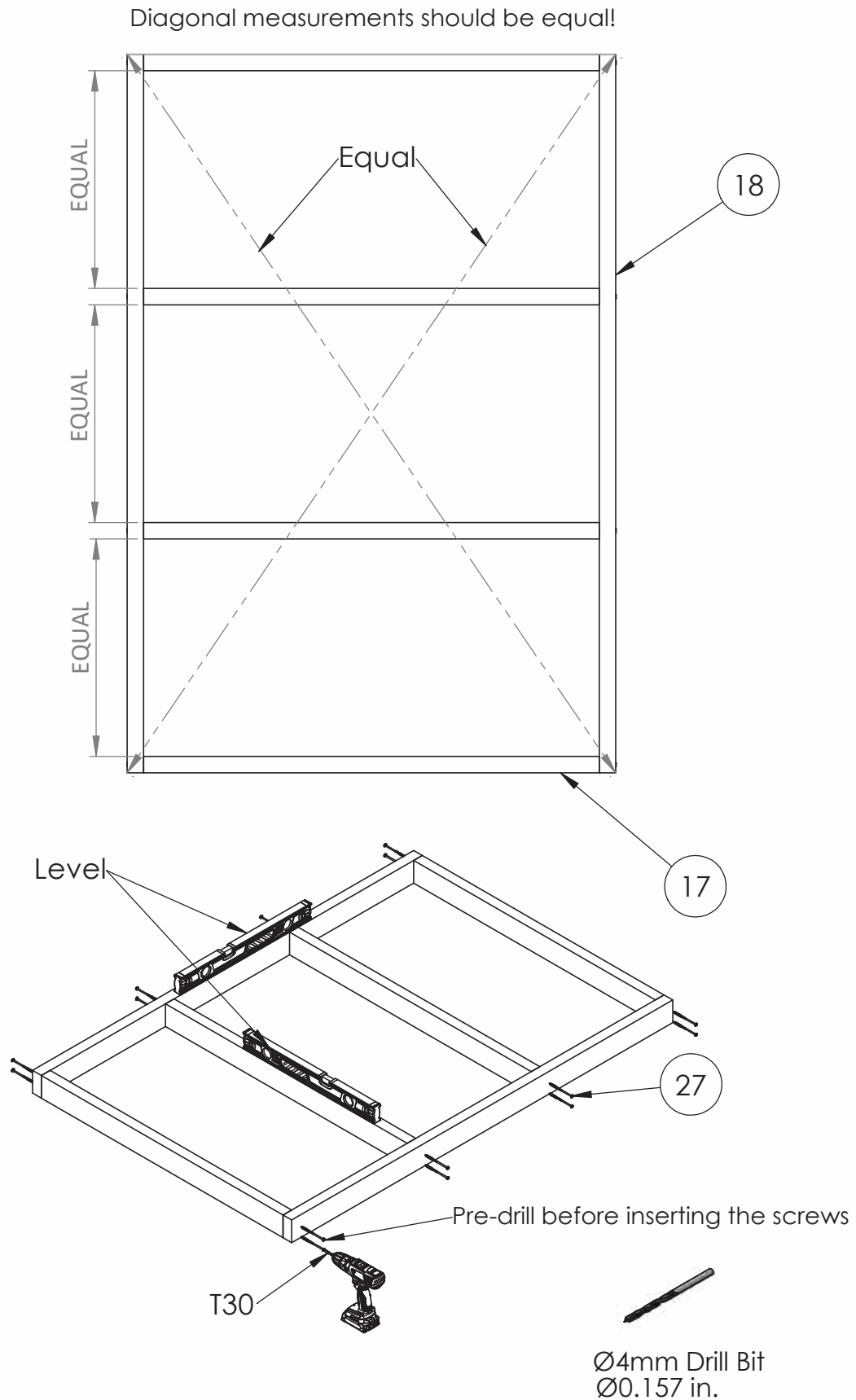
Important: 3 or more people recommended for this part. Panels are heavy!



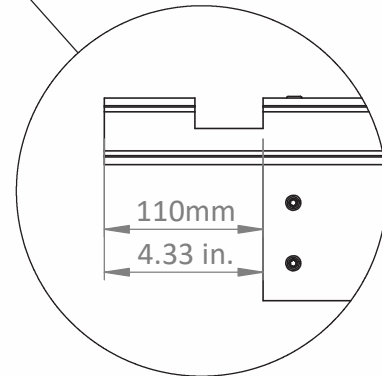
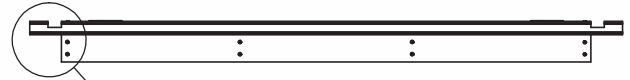
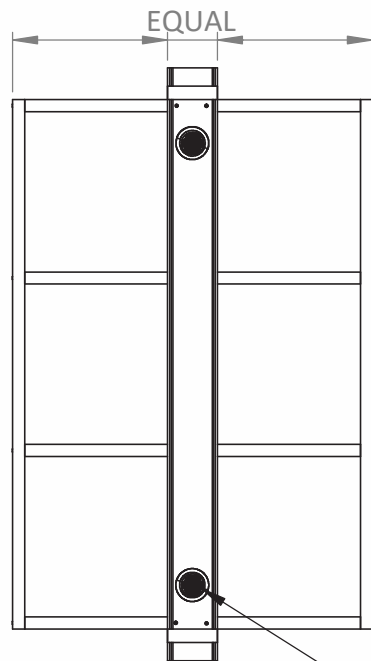
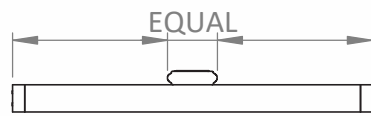
Note: pre-drill holes only for the length of the screw
pre-drilling is to prevent cracking of thermal wood.

Base

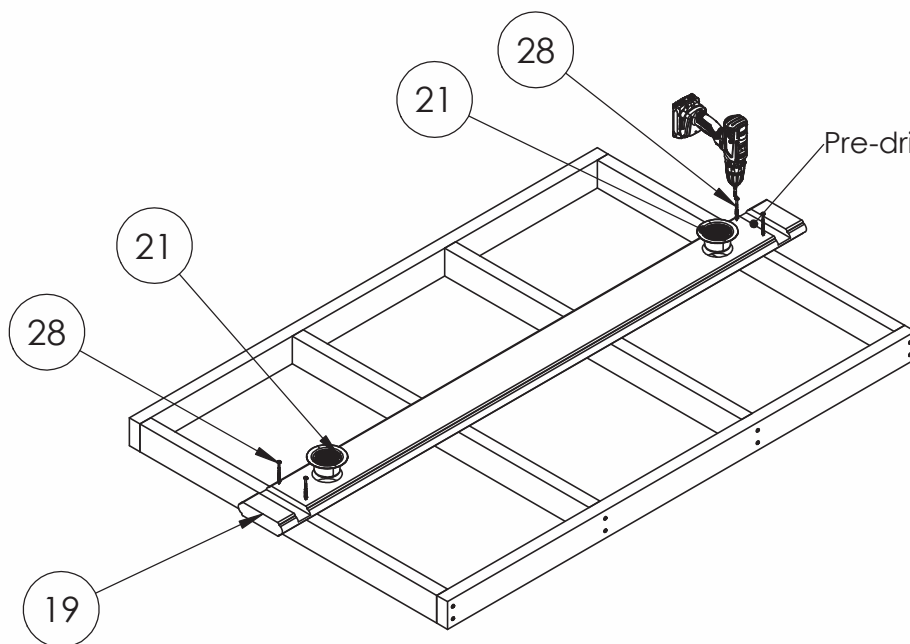
Important: before starting work on the base prepare an even and flat surface!



Base



Insert drain before fixing middle plank



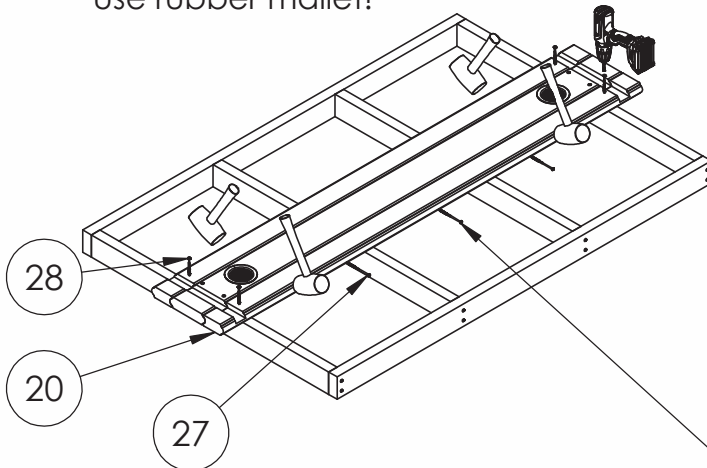
Pre-drill before inserting the screws

Ø4mm Drill Bit
Ø0.157 in.

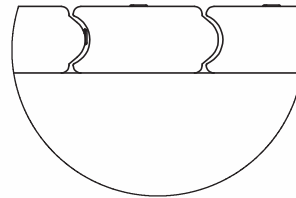
Floor

Important: pre-drill every screw

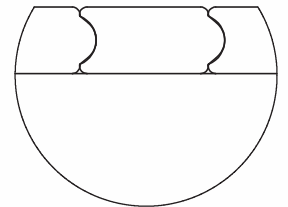
Use rubber mallet!



Wrong

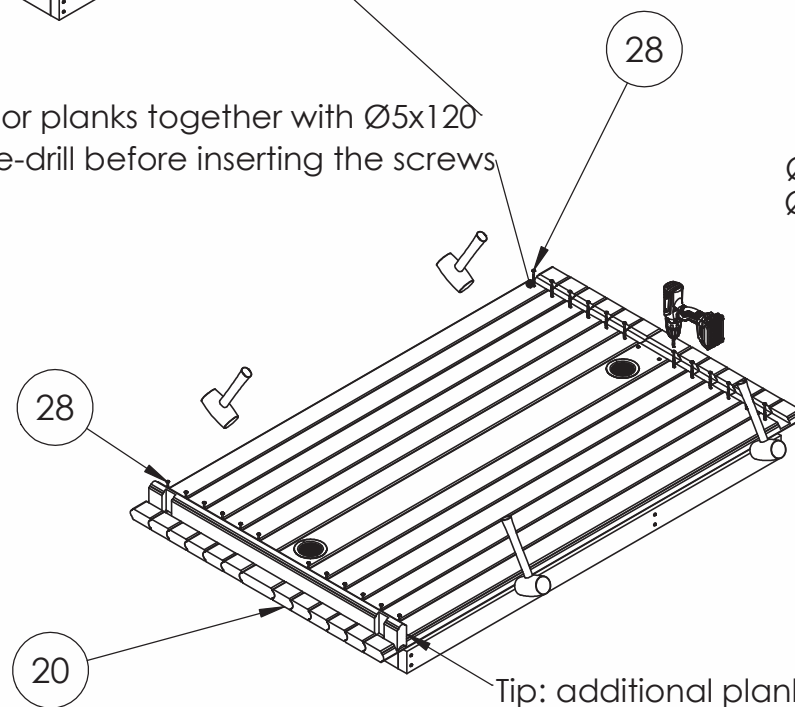


Correct



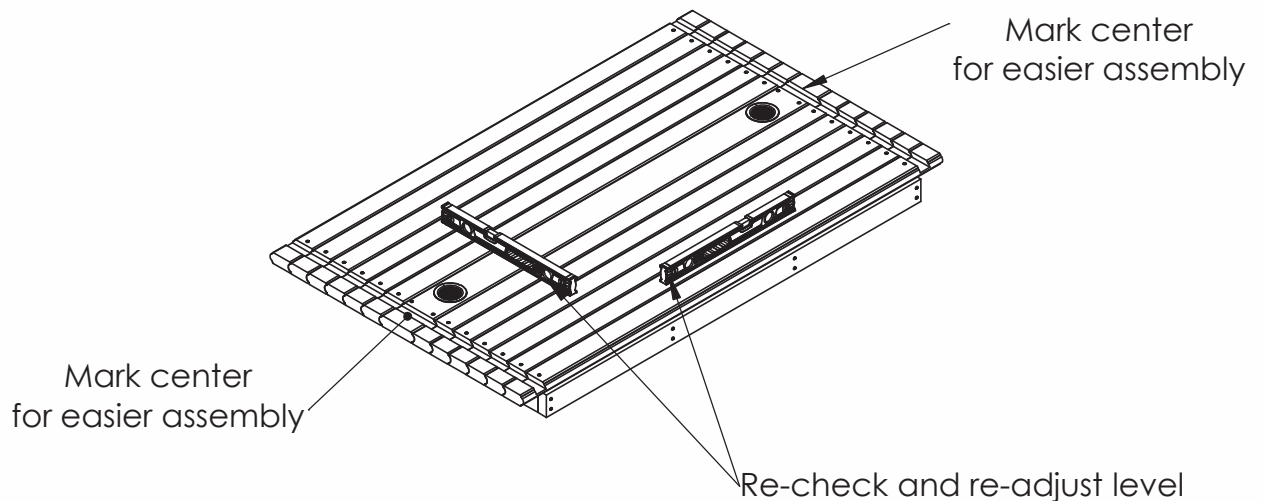
To ensure correct gaps use rubber mallet before fixing each plank

Connect all floor planks together with $\varnothing 5 \times 120$
Pre-drill before inserting the screws



$\varnothing 4 \text{mm}$ Drill Bit
 $\varnothing 0.157 \text{ in.}$

Tip: additional plank can be used to have an even gap



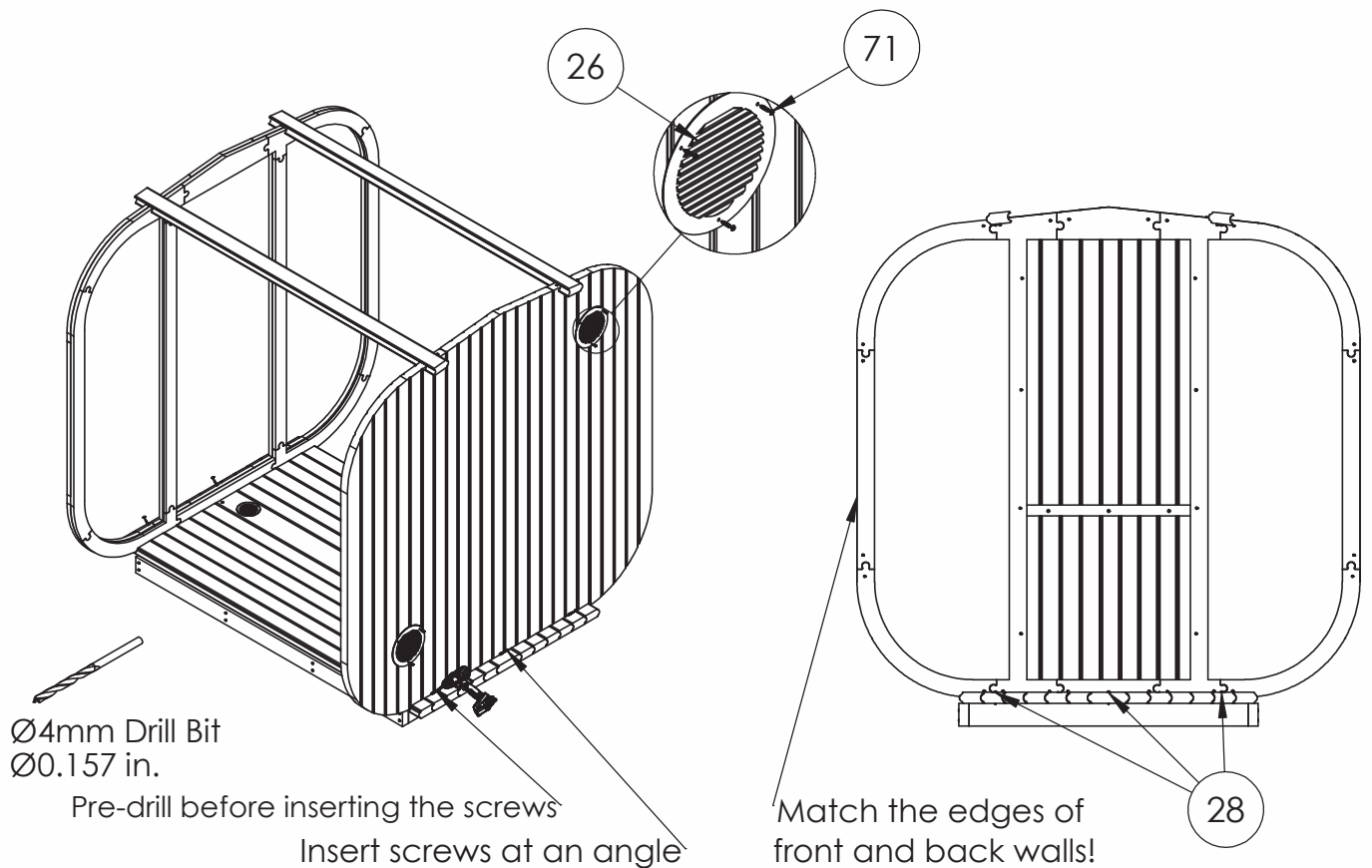
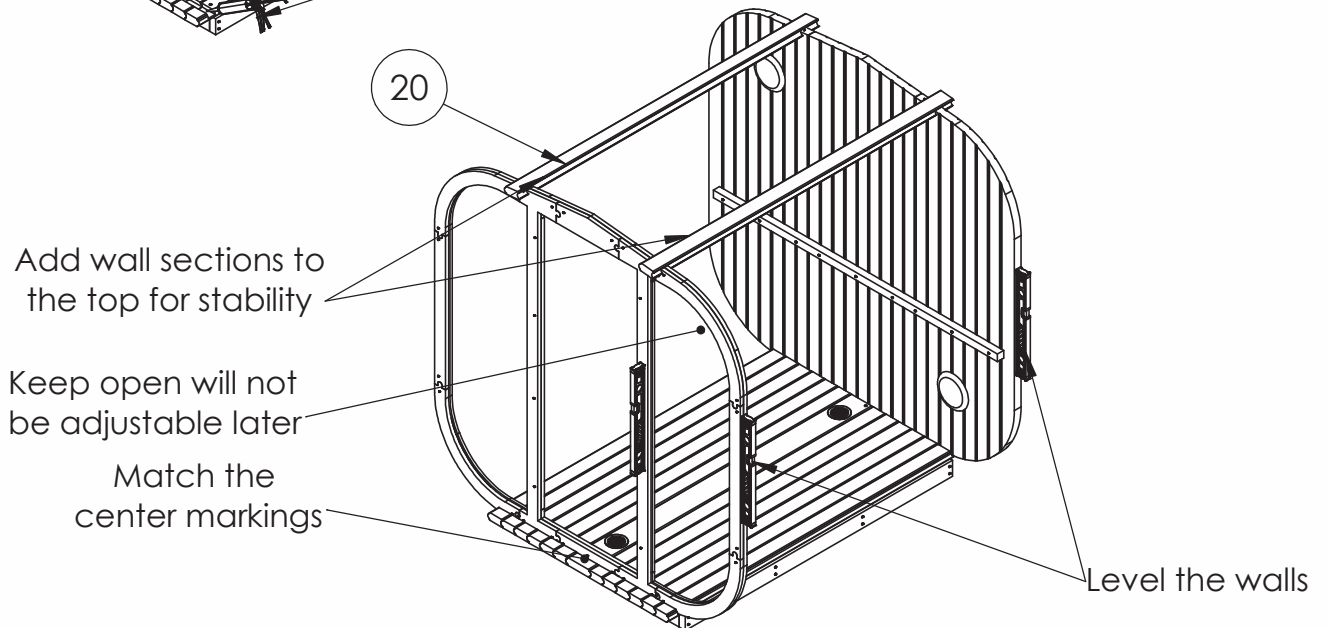
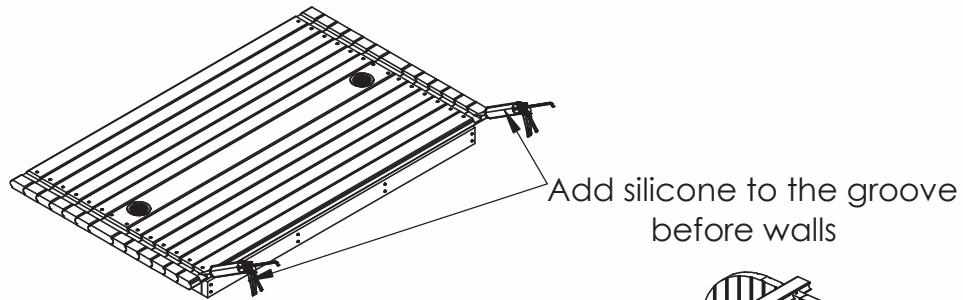
Mark center
for easier assembly

Mark center
for easier assembly

Re-check and re-adjust level

Base with walls

Important: 3 or more people recommended for this part. Panels are heavy!

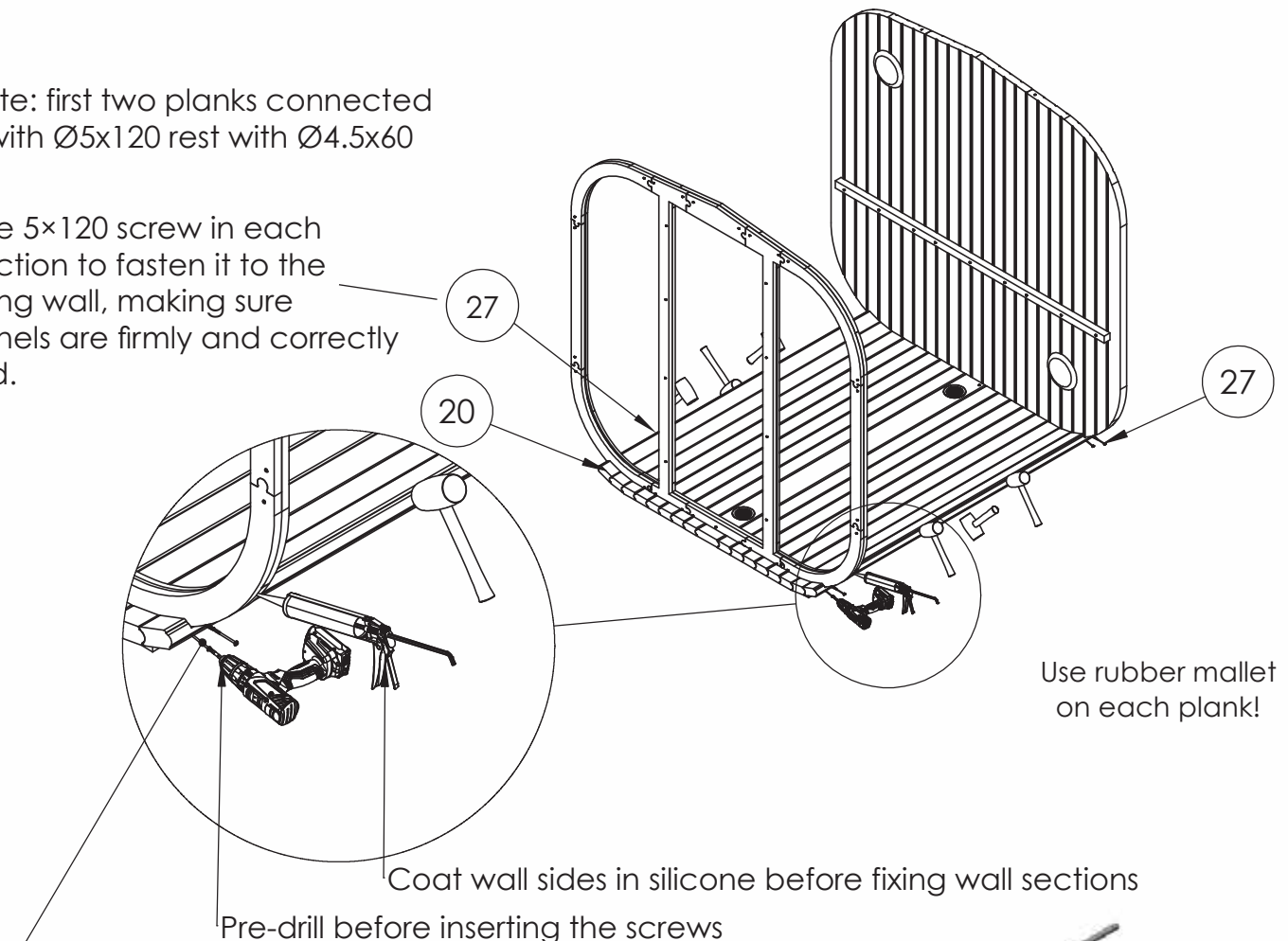


Base with walls

Important: coat the edges with silicone before fixing wall sections.

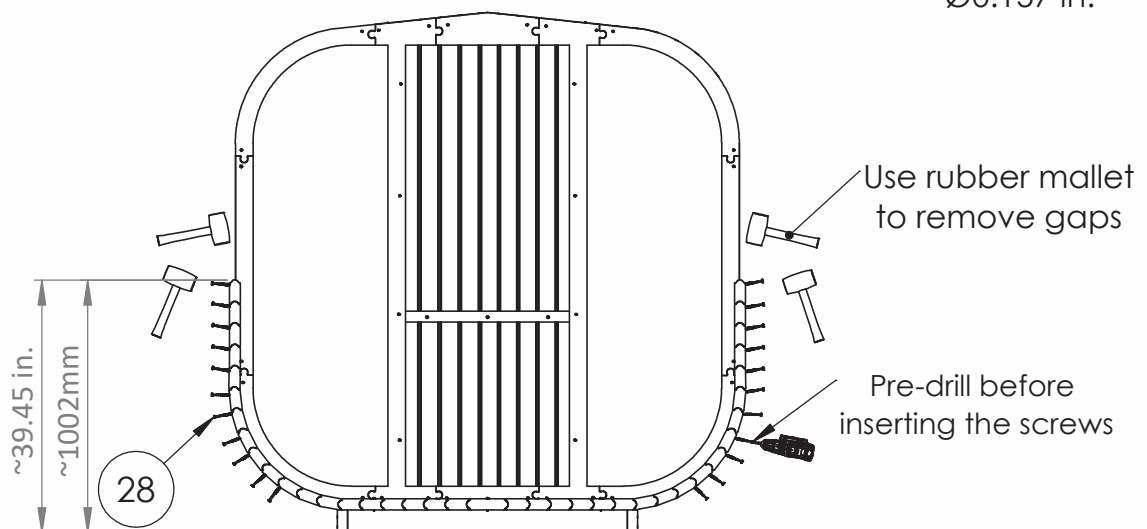
Note: first two planks connected with Ø5x120 rest with Ø4.5x60

Use one 5×120 screw in each wall section to fasten it to the adjoining wall, making sure the panels are firmly and correctly aligned.



**Use caution with 5x120 screws
screw at an angle away from glass**

Ø4 Drill Bit
Ø0.157 in.

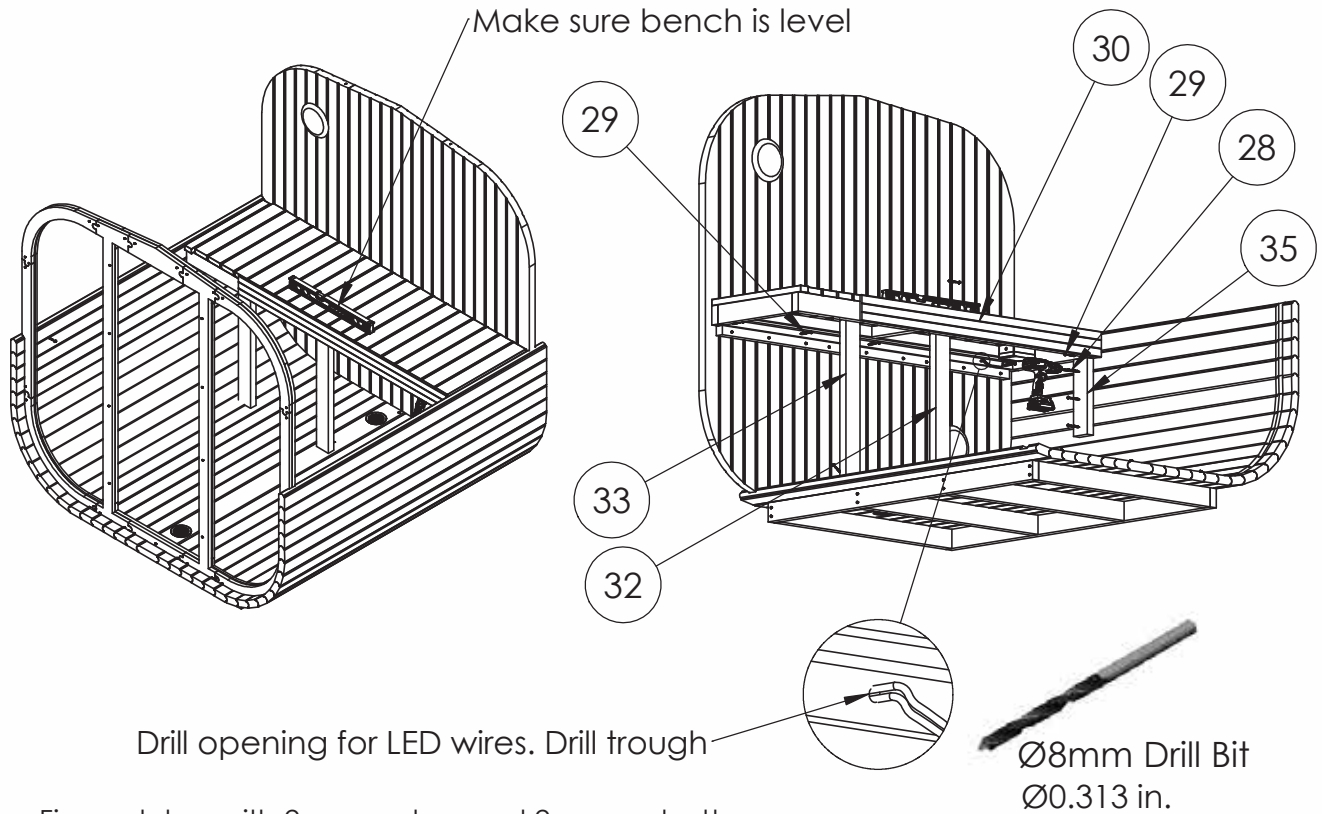


Recommended wall height before inserting benches

Bench

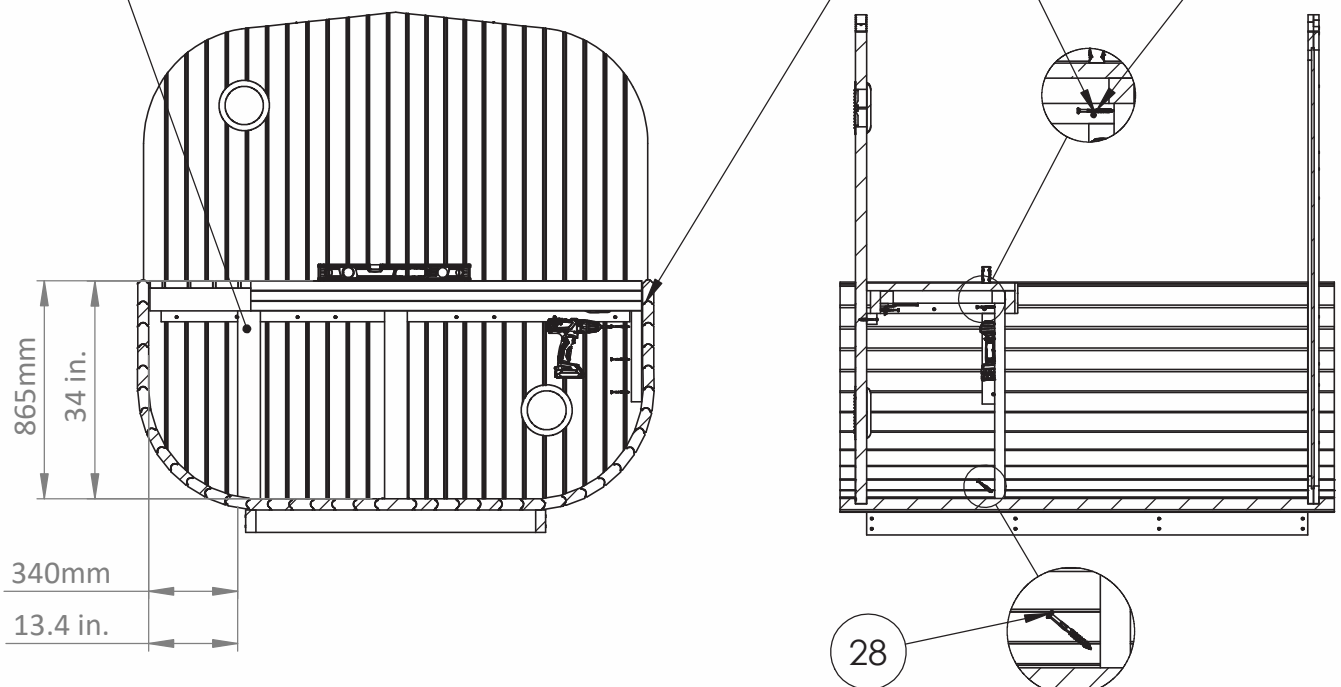
Important: 3 or more people recommended for this part. Benches are heavy!

Important: pre-drill every screw



Fix each leg with 2 screws top and 2 screws bottom (Ø4.5x60); Pre-drill with Ø4mm drill bit

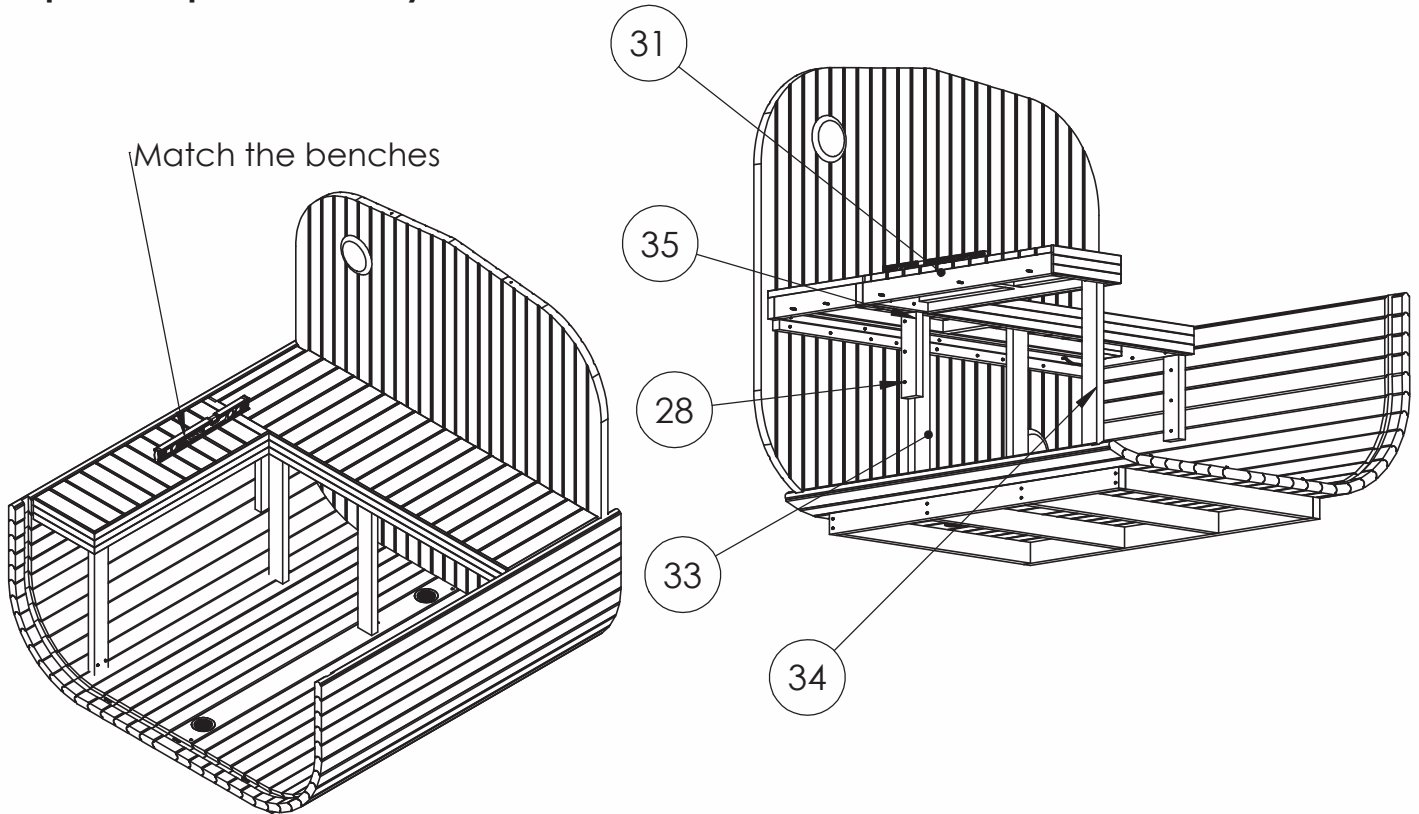
Fix bench with 2 pcs. Ø6x80 screws on each side and 5 pcs. Ø6x80 on the back side predrill with Ø5 drill bit



Bench

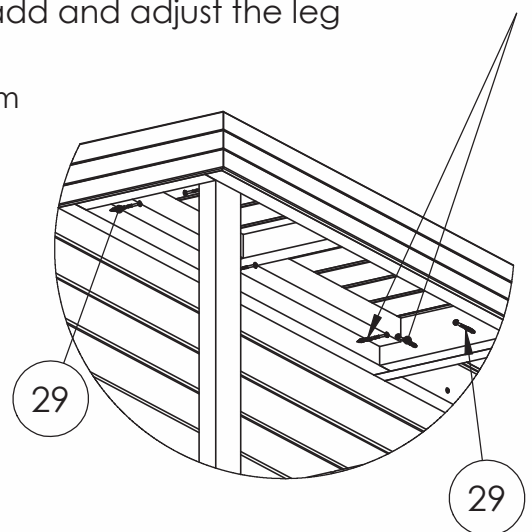
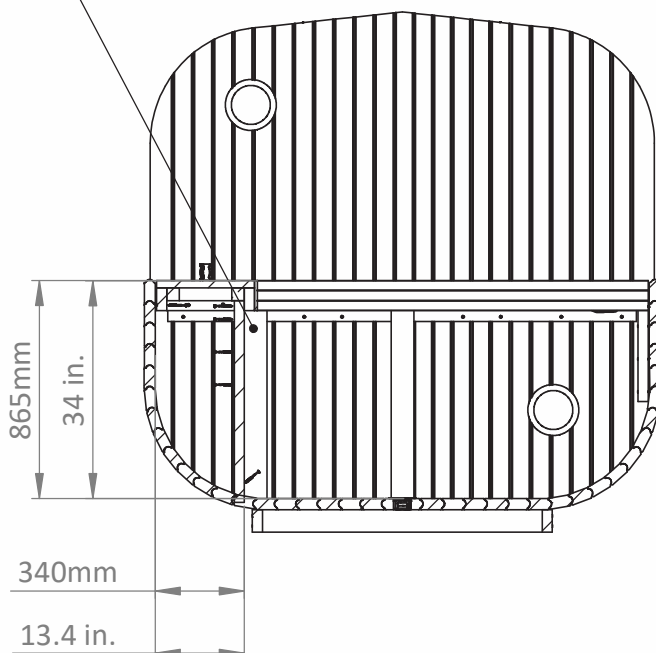
Important: 3 or more people recommended for this part. Benches are heavy!

Important: pre-drill every screw



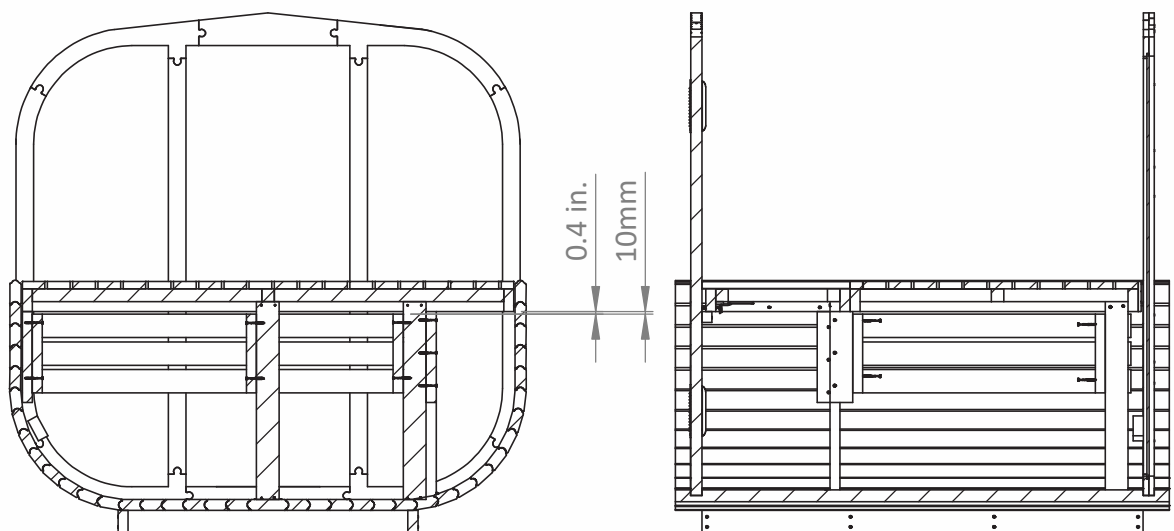
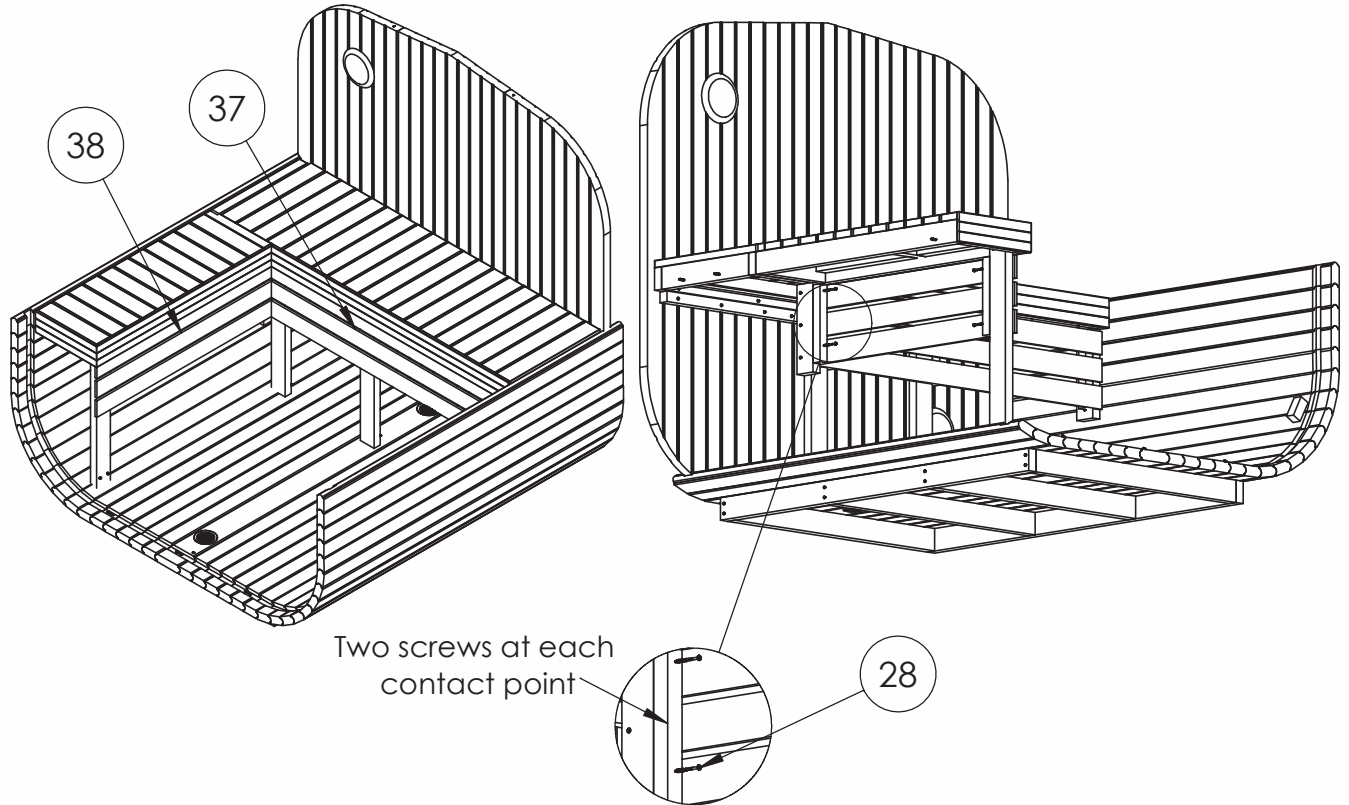
Connection points under side bench
Connect with other bench and wall first
then add and adjust the leg

Fix each leg with 2 screws top and 2 screws bottom



Bench

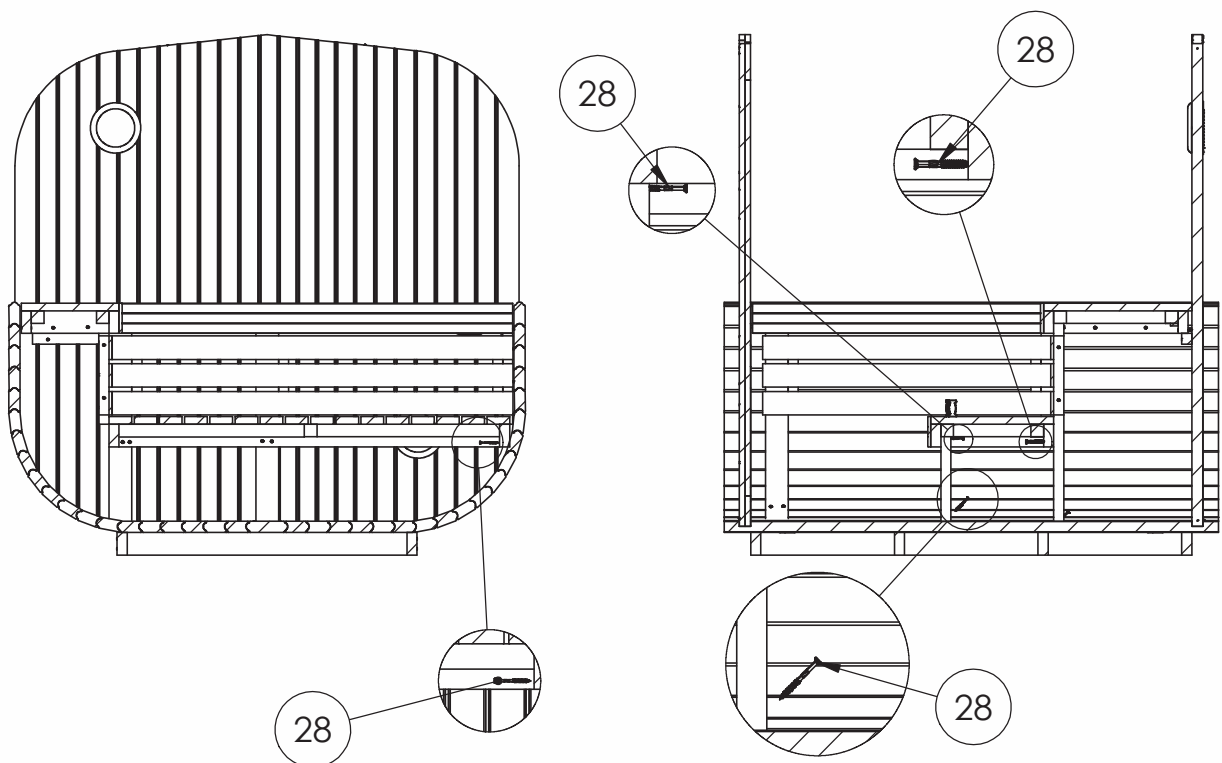
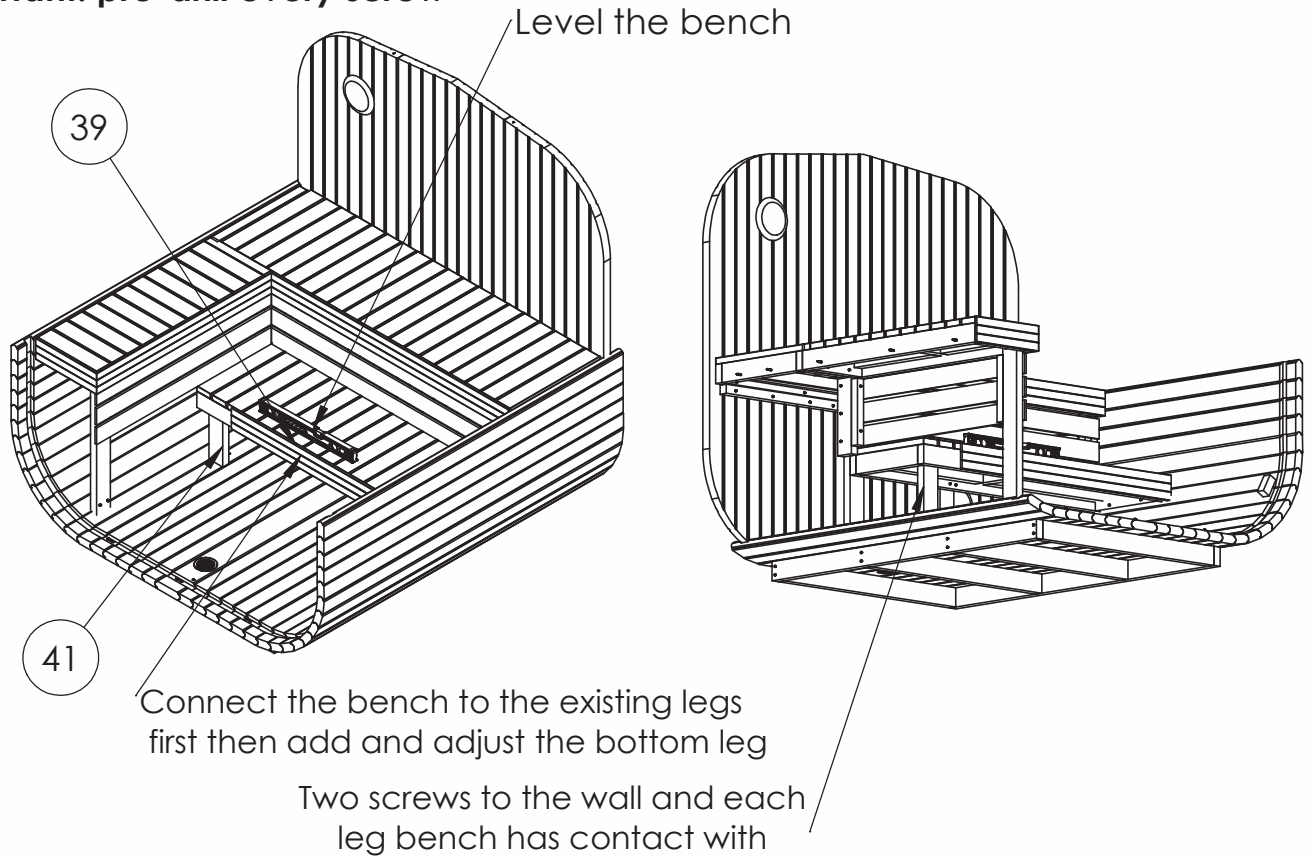
Important: connect backrest from back side so no screws are visible on the front



Bench

Important: 3 or more people recommended for this part. Benches are heavy!

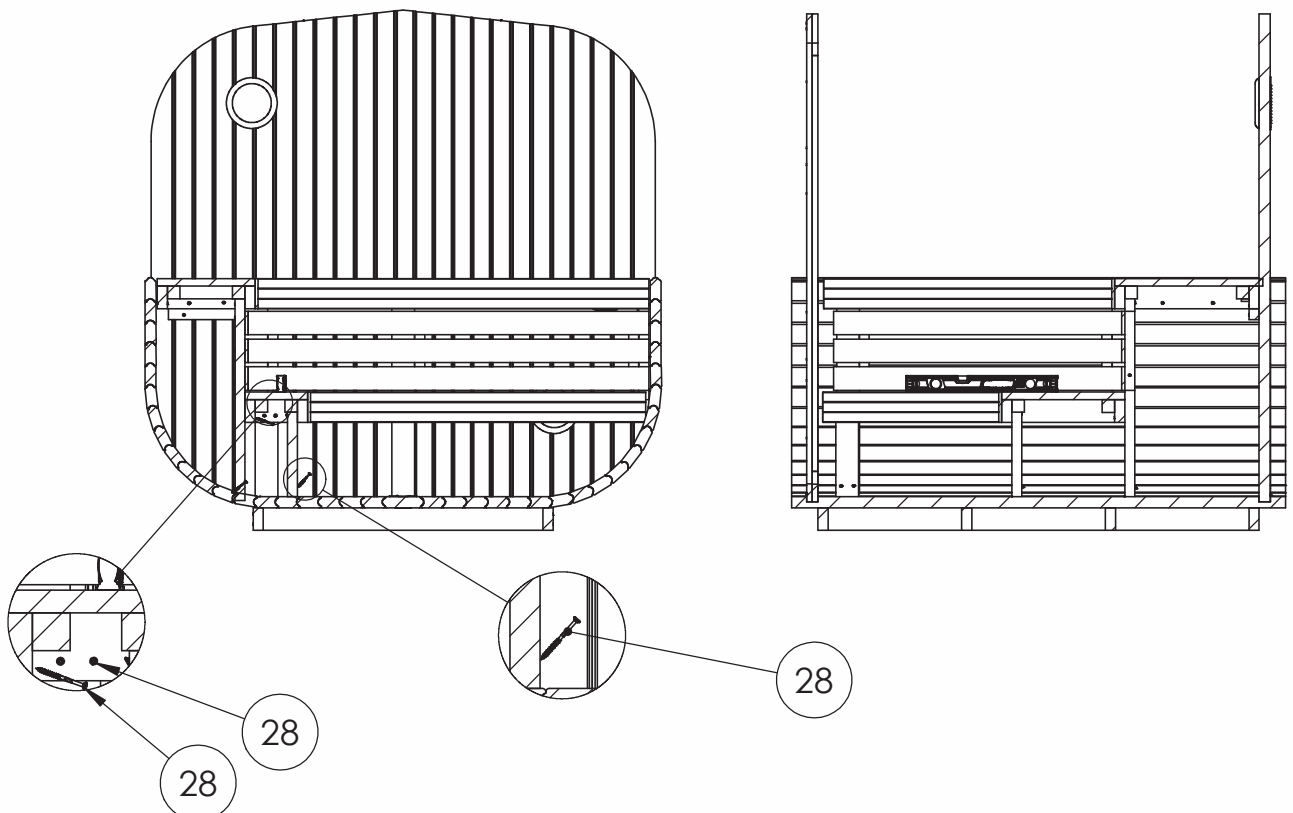
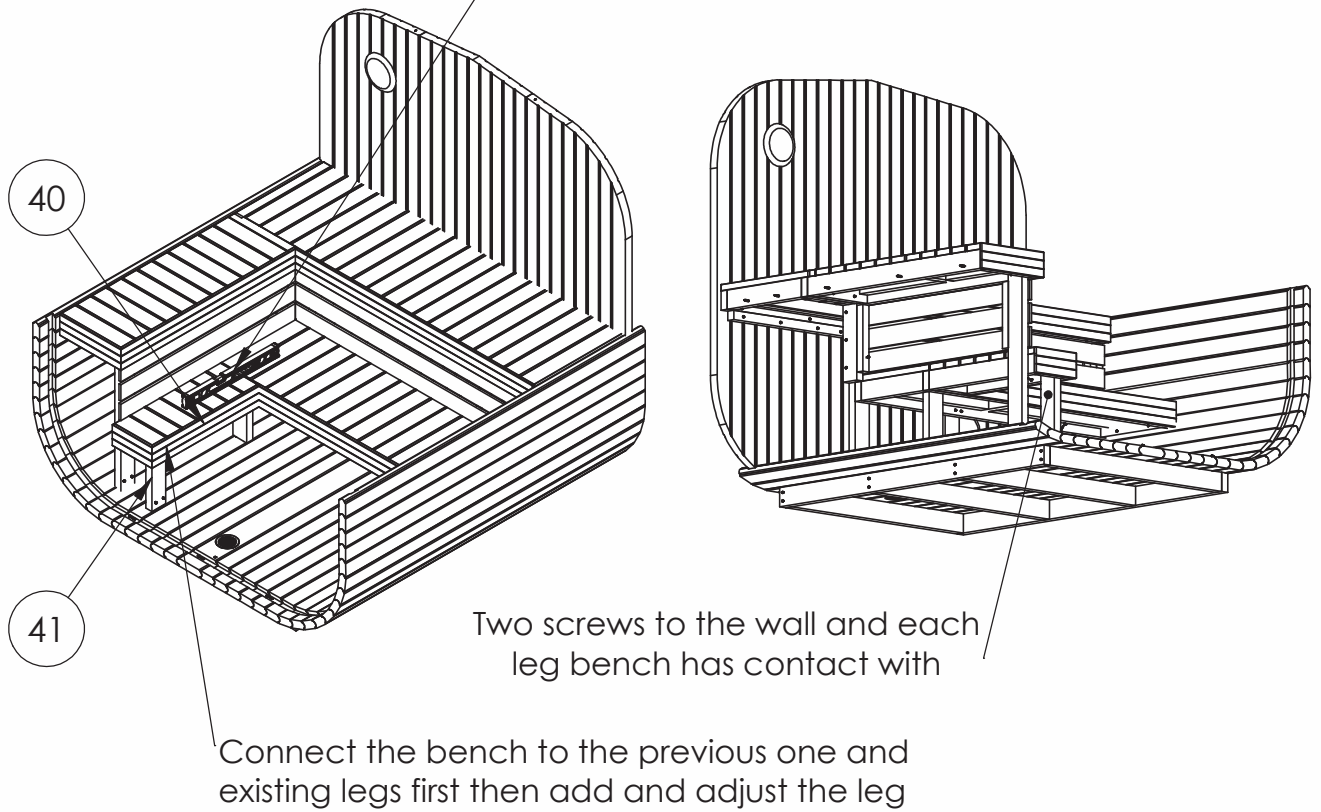
Important: pre-drill every screw



Bench

Important: pre-drill every screw

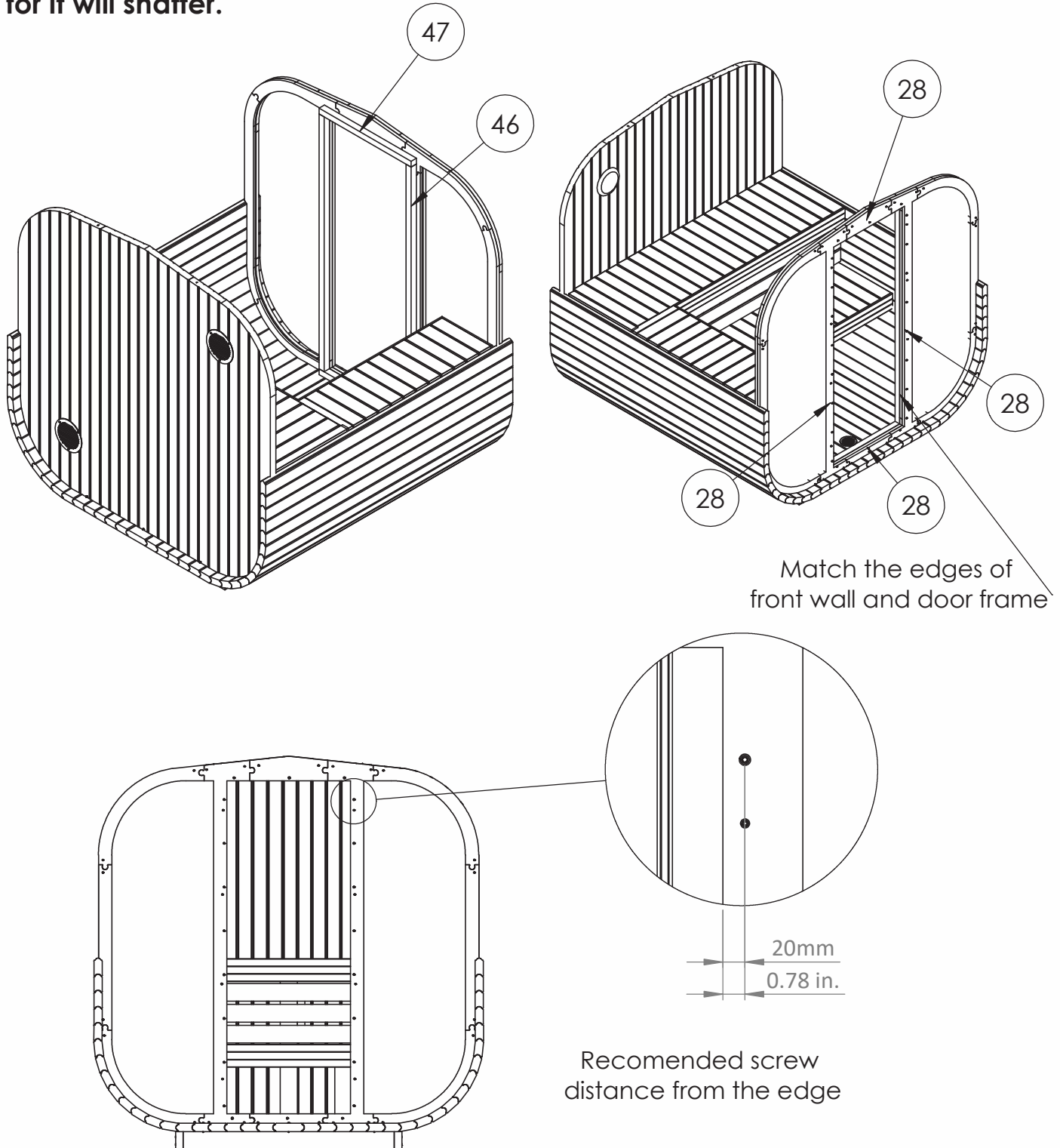
Make sure benches are level and even



Doorway

Important: pre-drill every screw

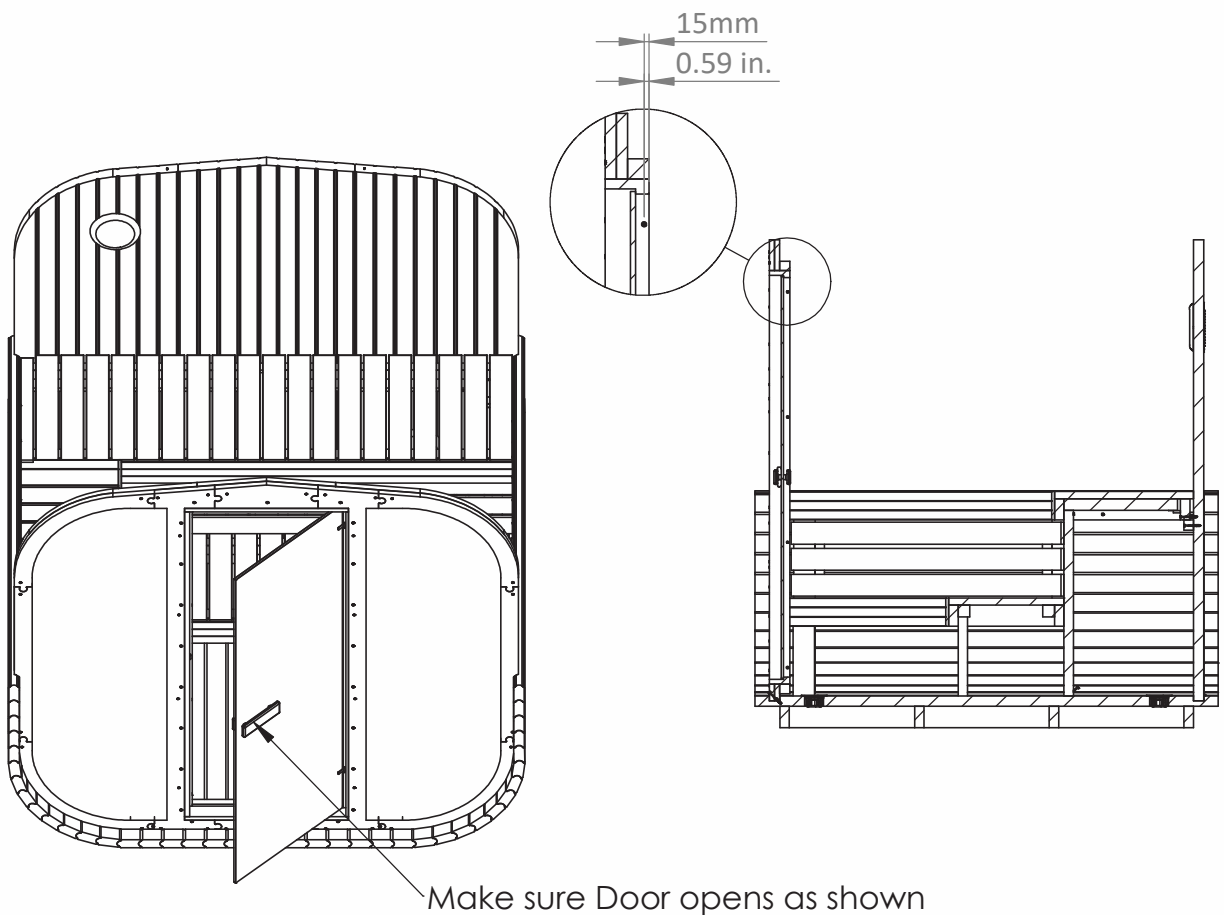
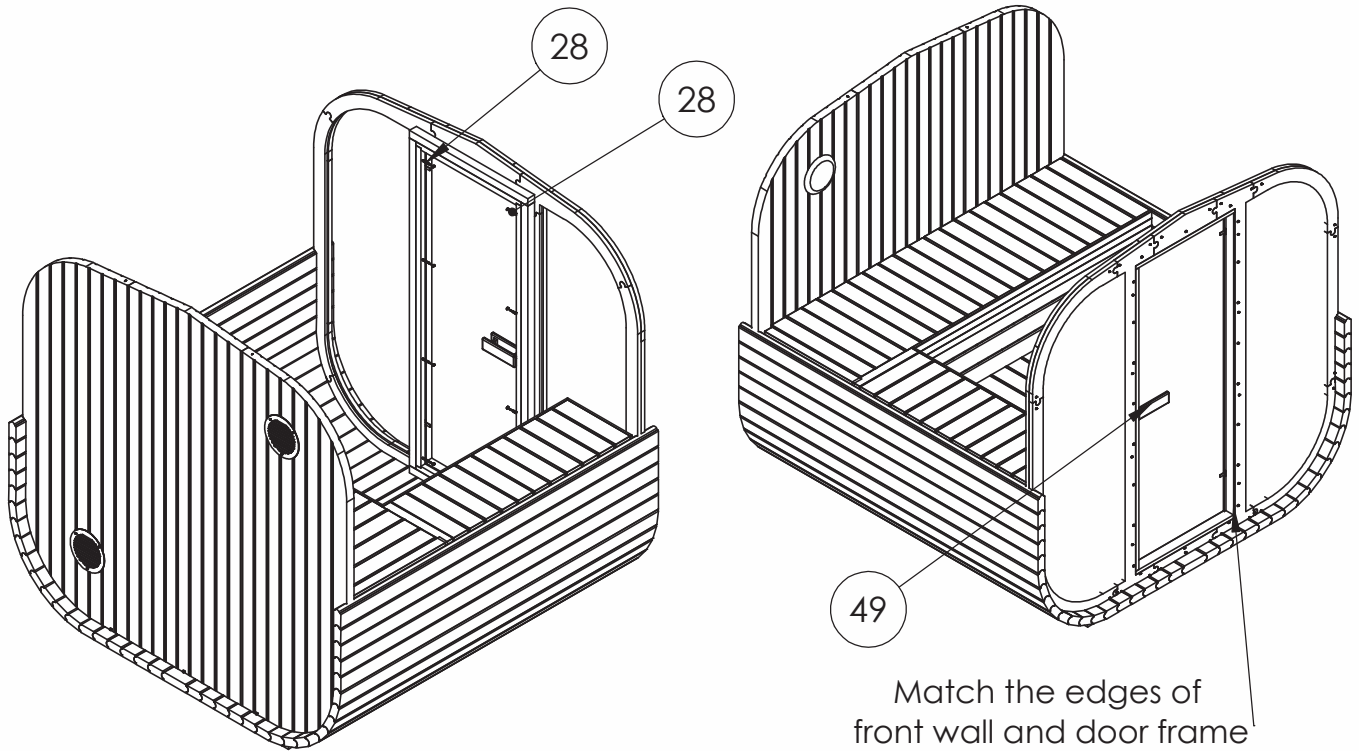
Important: use caution while working with glass. Do not screw or drill the glass, for it will shatter.



Door

Important: pre-drill every screw

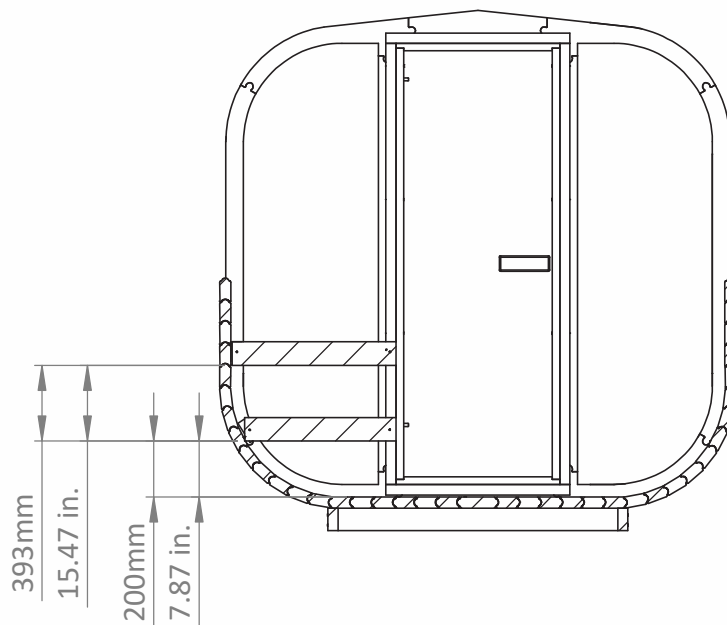
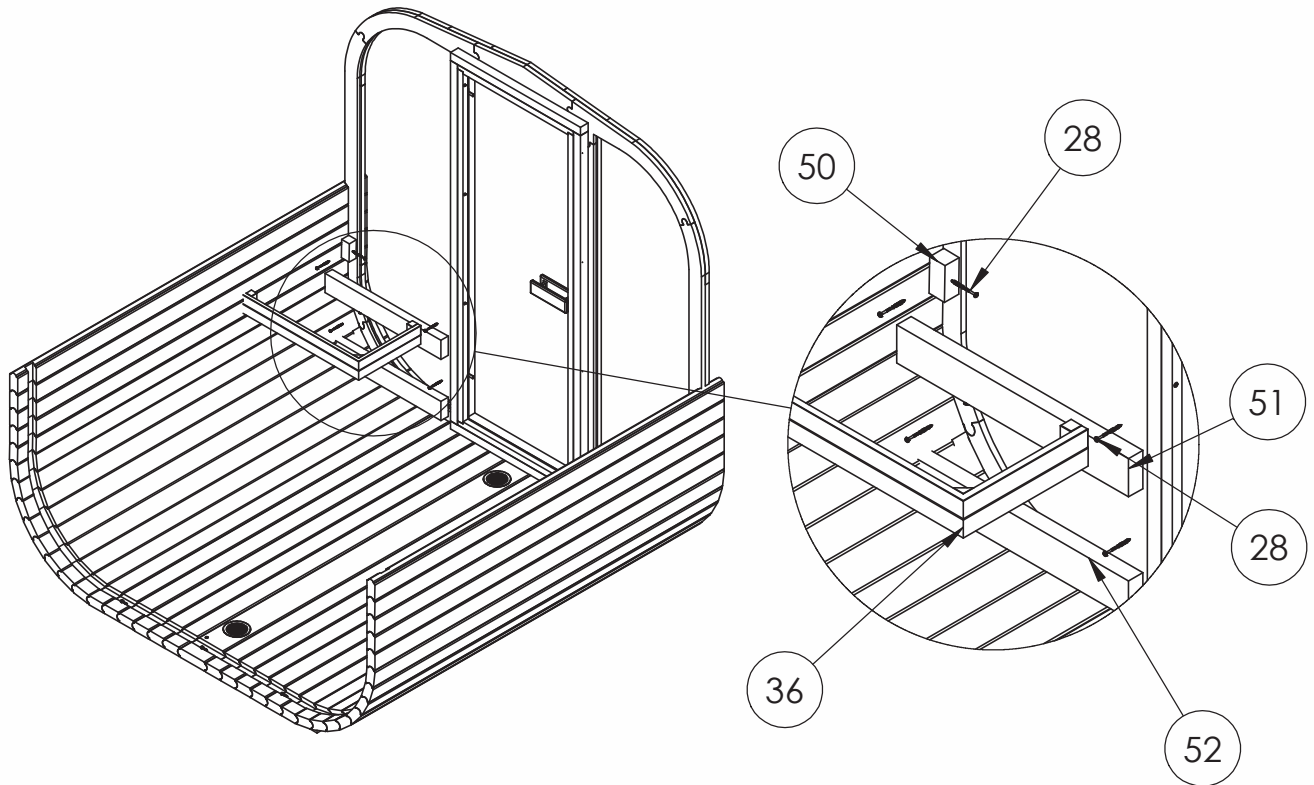
Important: use caution while working with glass. Do not screw or drill the glass, for it will shatter.



Fireplace Holder

Important: pre-drill every screw

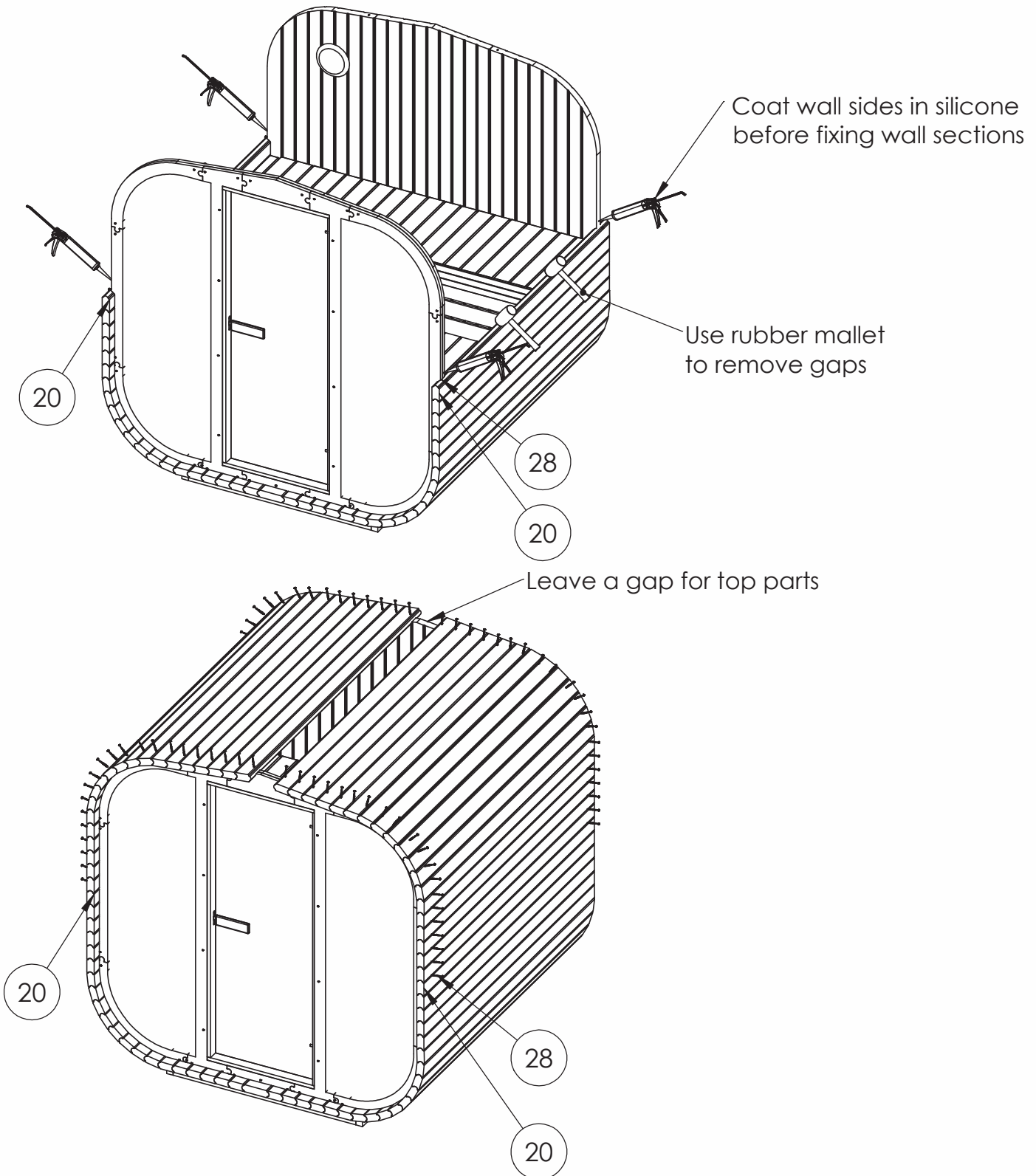
Important: use caution while working with glass. Do not screw or drill the glass, for it will shatter.



Walls

Important: pre-drill every screw

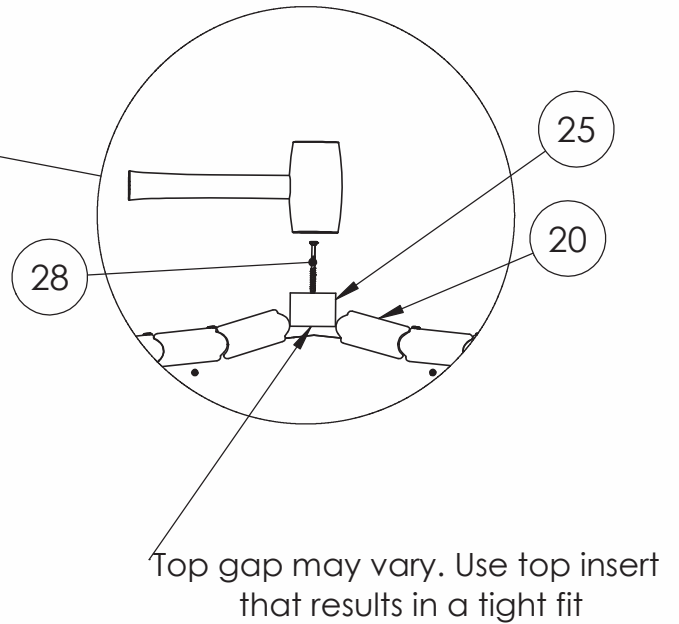
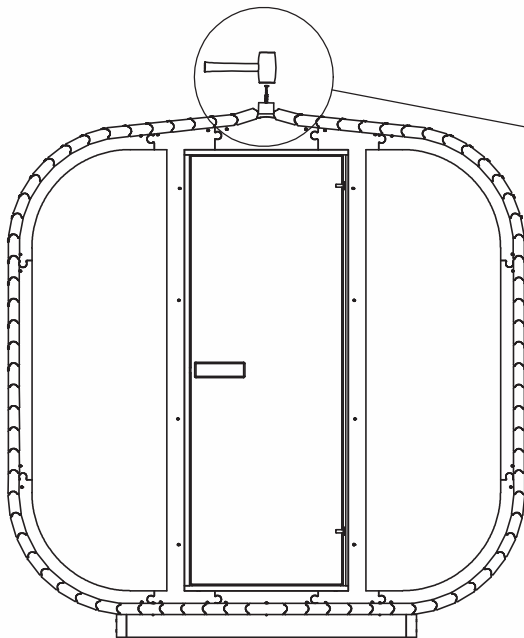
Important: use caution while working with glass. Do not screw or drill the glass, for it will shatter.



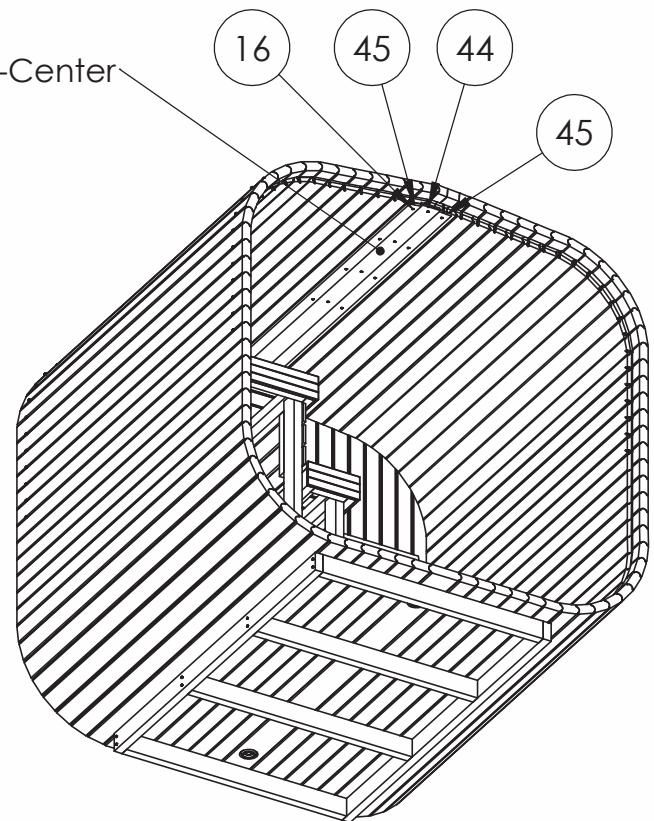
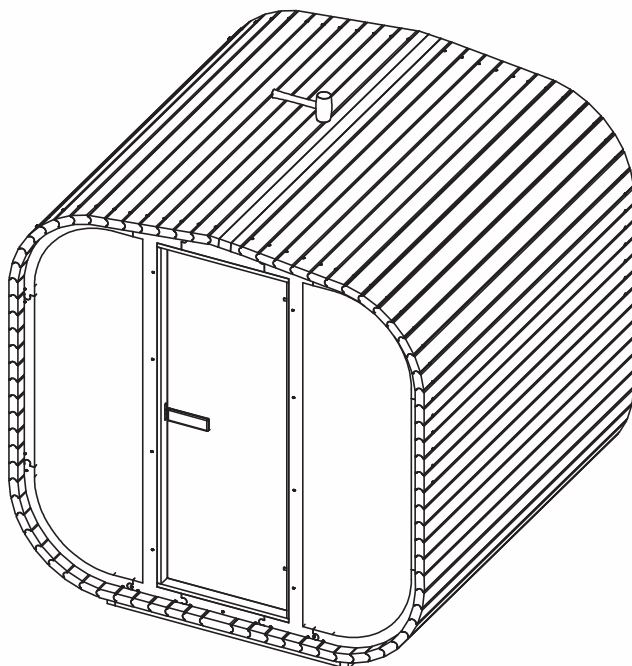
Roof Planks

Important: pre-drill every screw

Important: use caution while working with glass. Do not screw or drill the glass, for it will shatter.

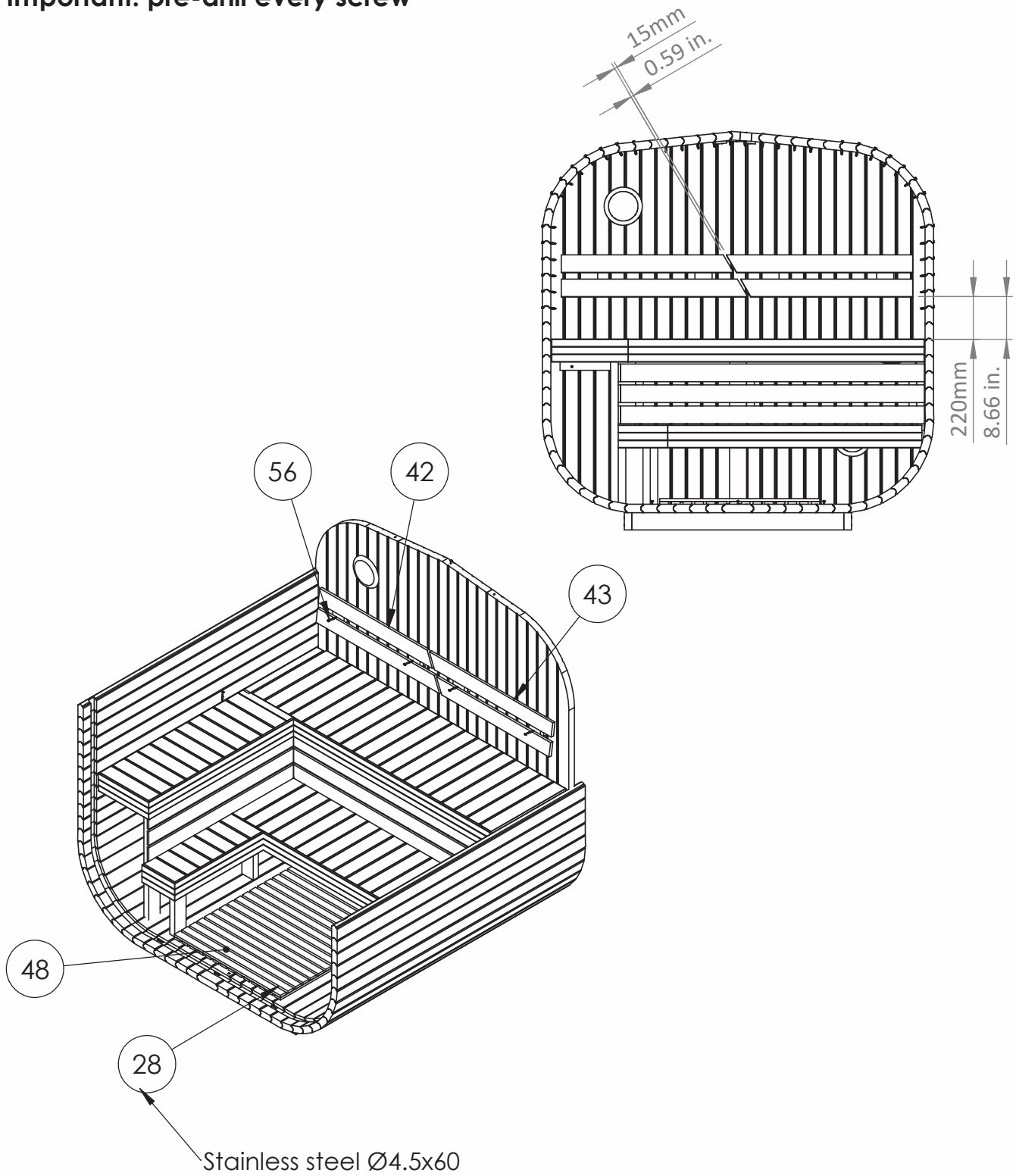


Place ceiling covers Top-Center



Back Rest

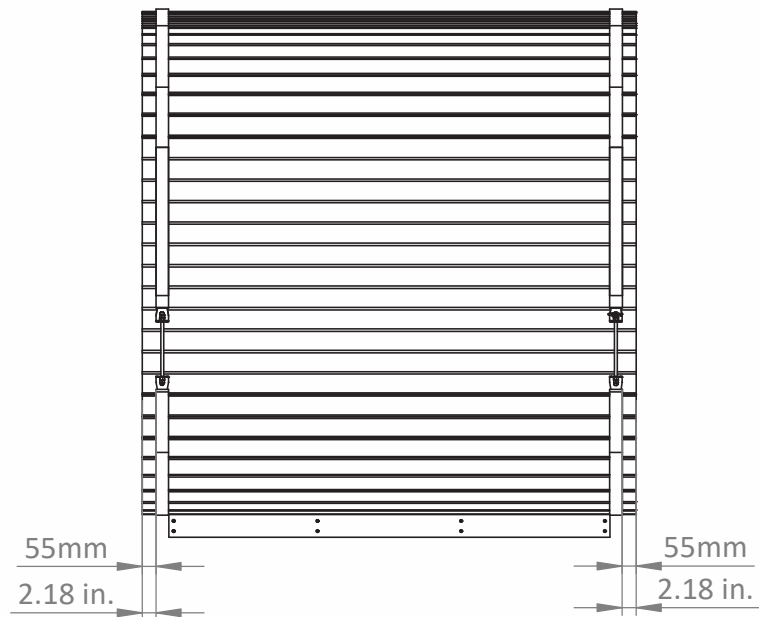
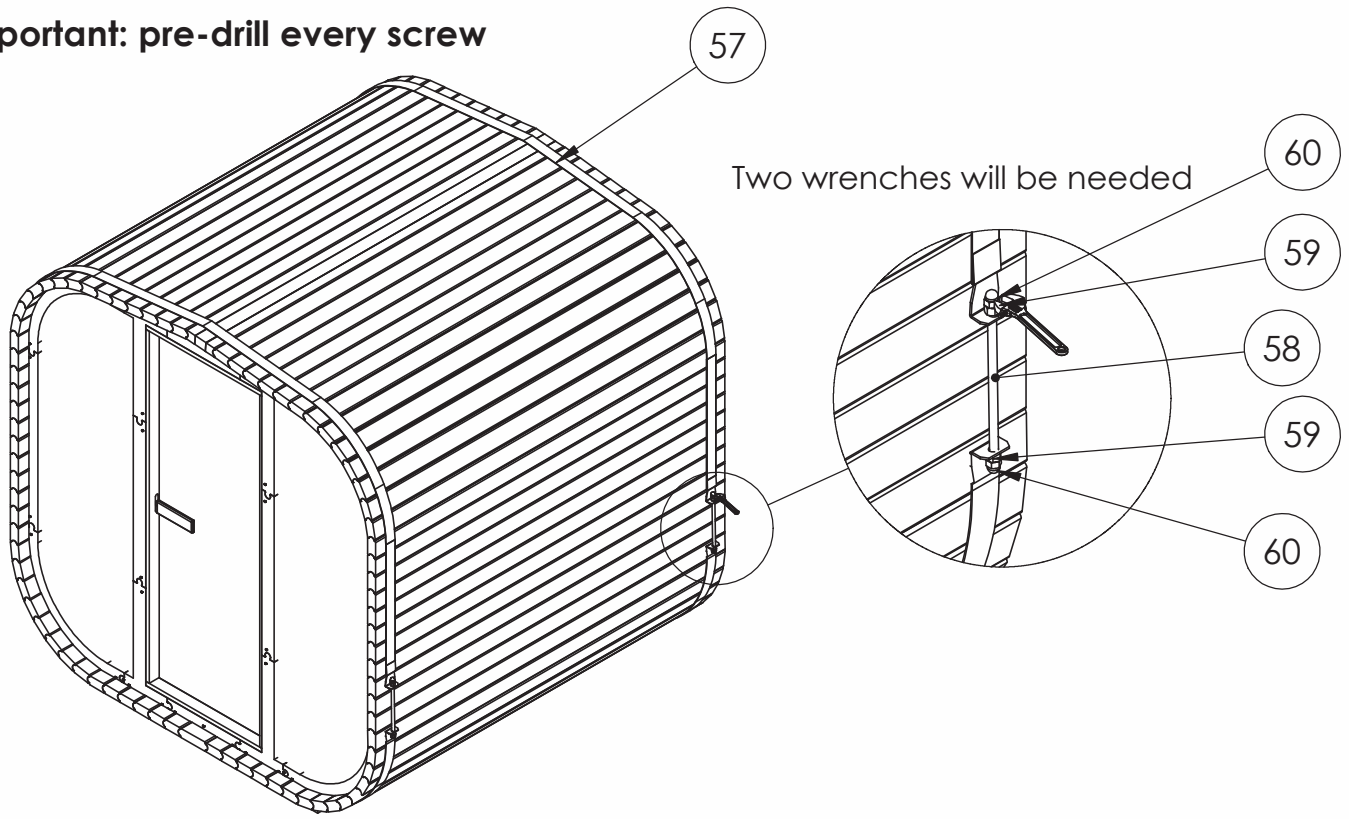
Important: pre-drill every screw



Ø4mm Drill Bit
Ø0.157 in.

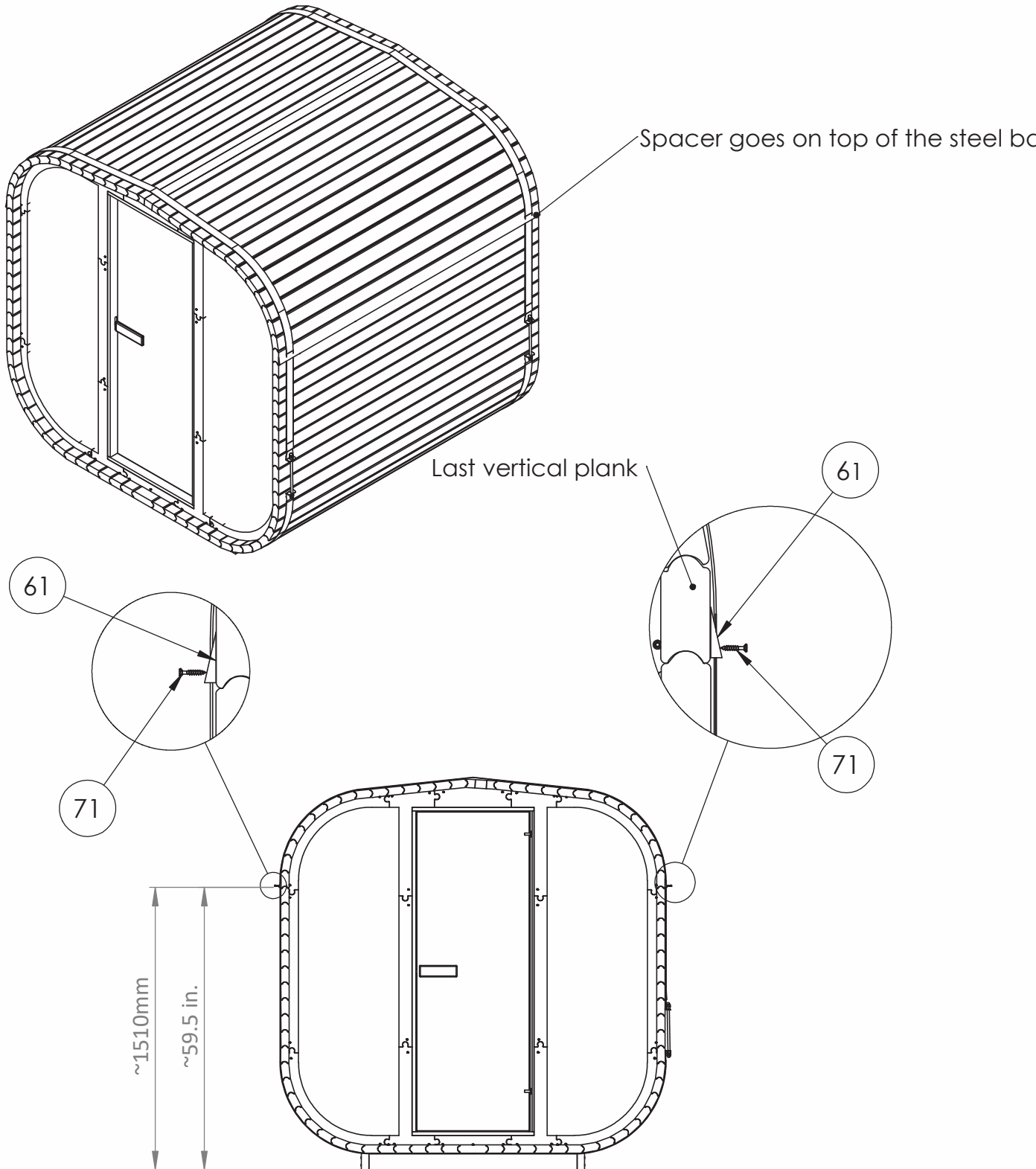
Steel Band

Important: pre-drill every screw

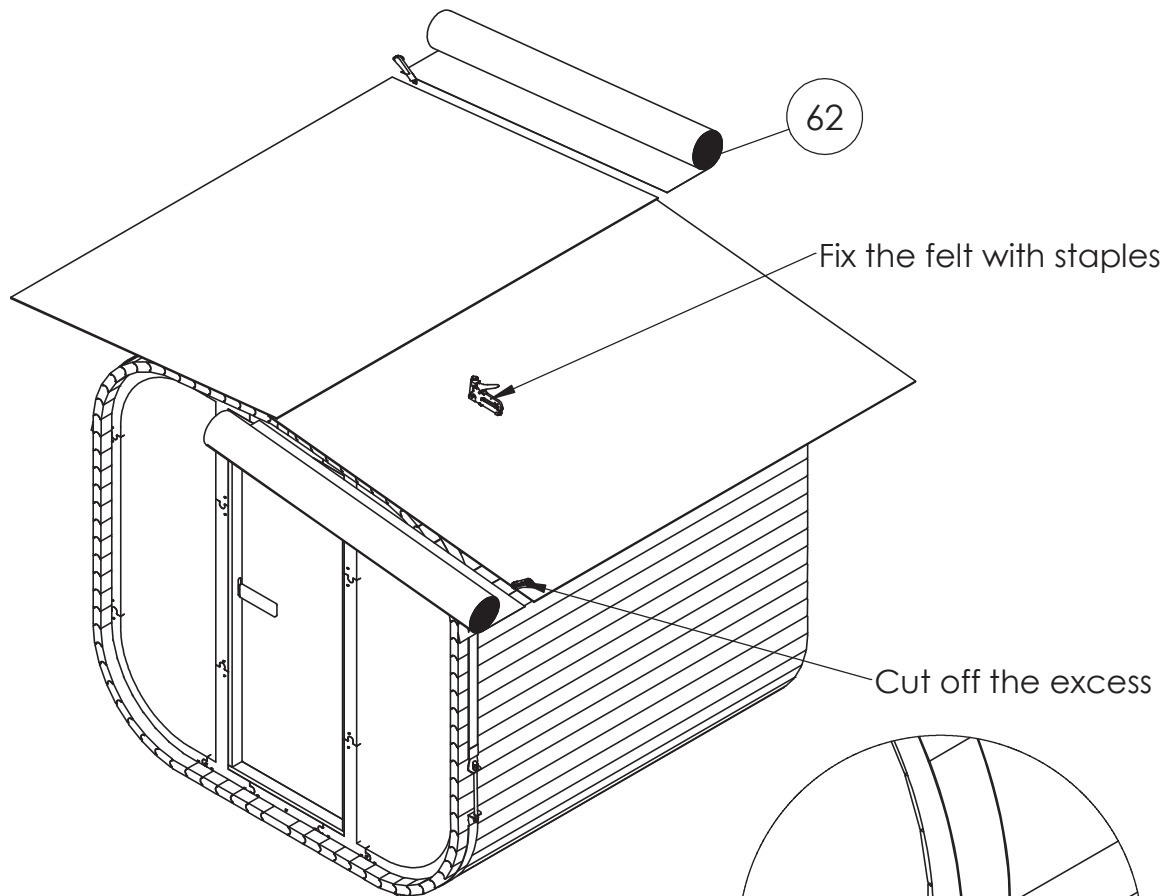


Roof Spacer

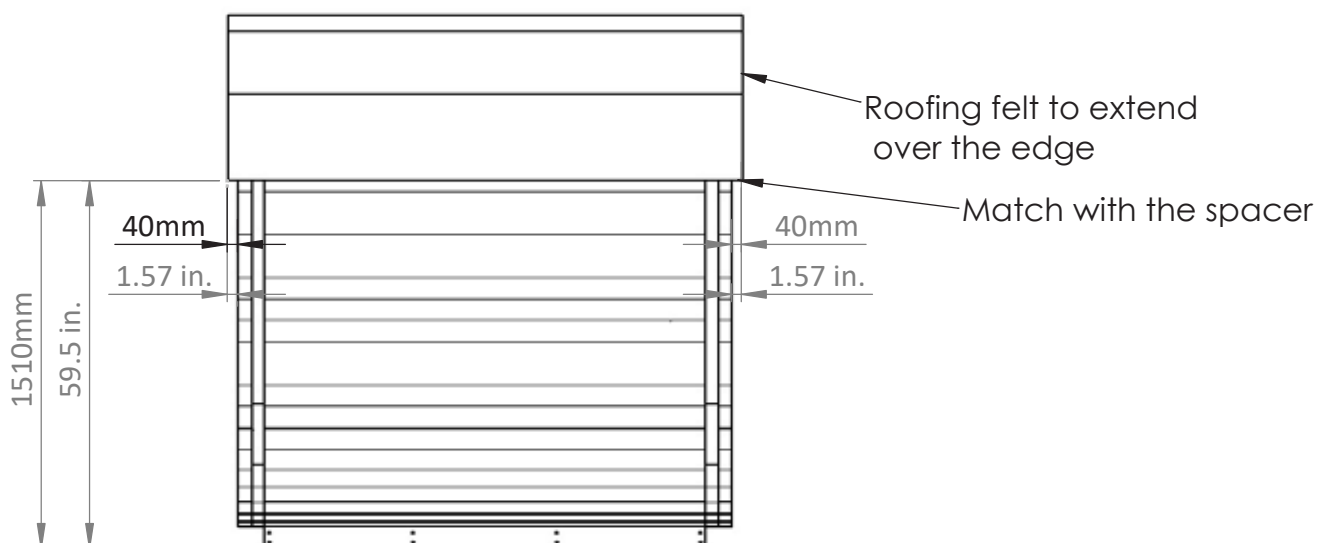
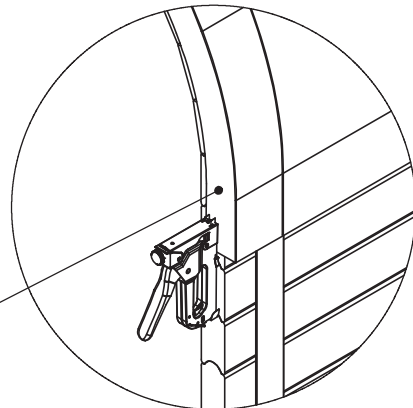
Important: pre-drill every screw



Roof Felt

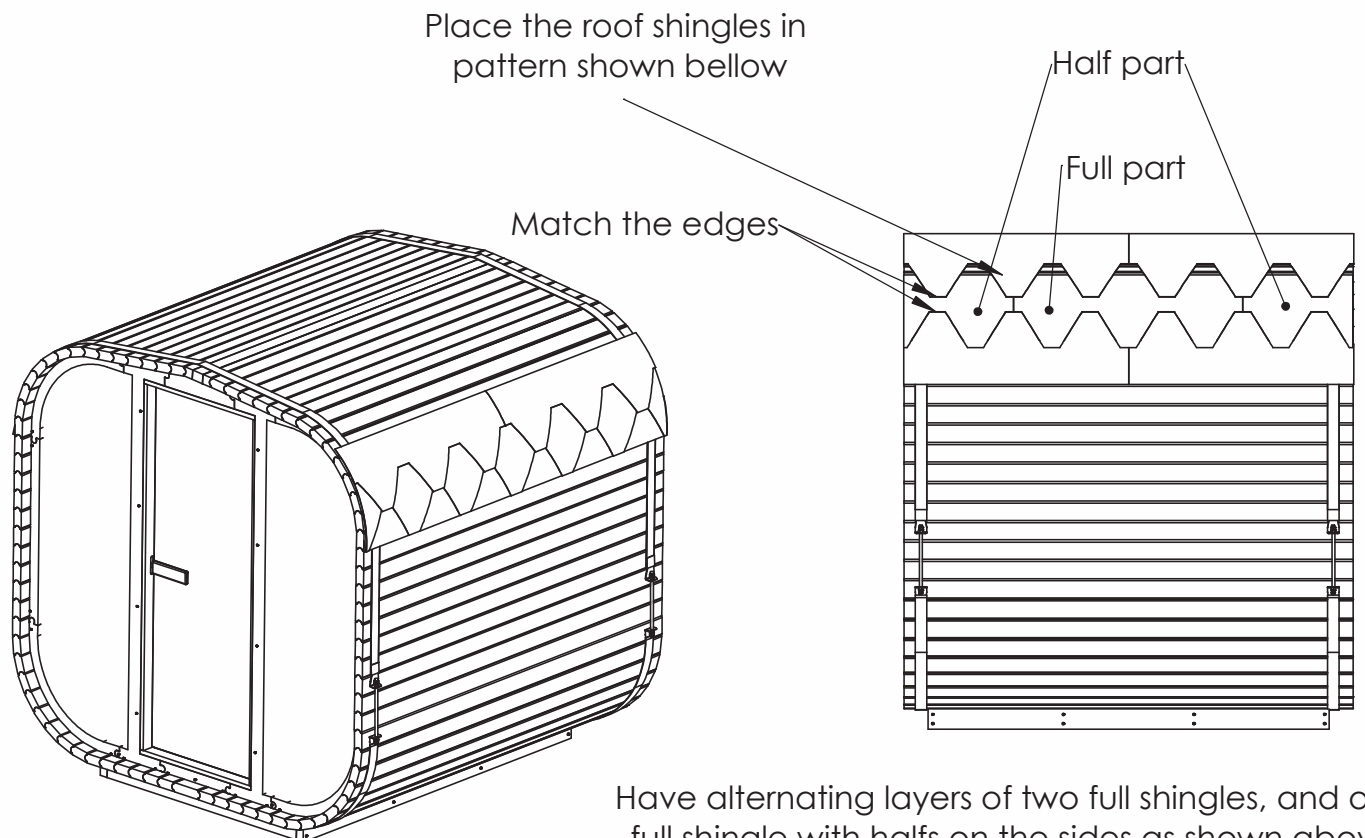
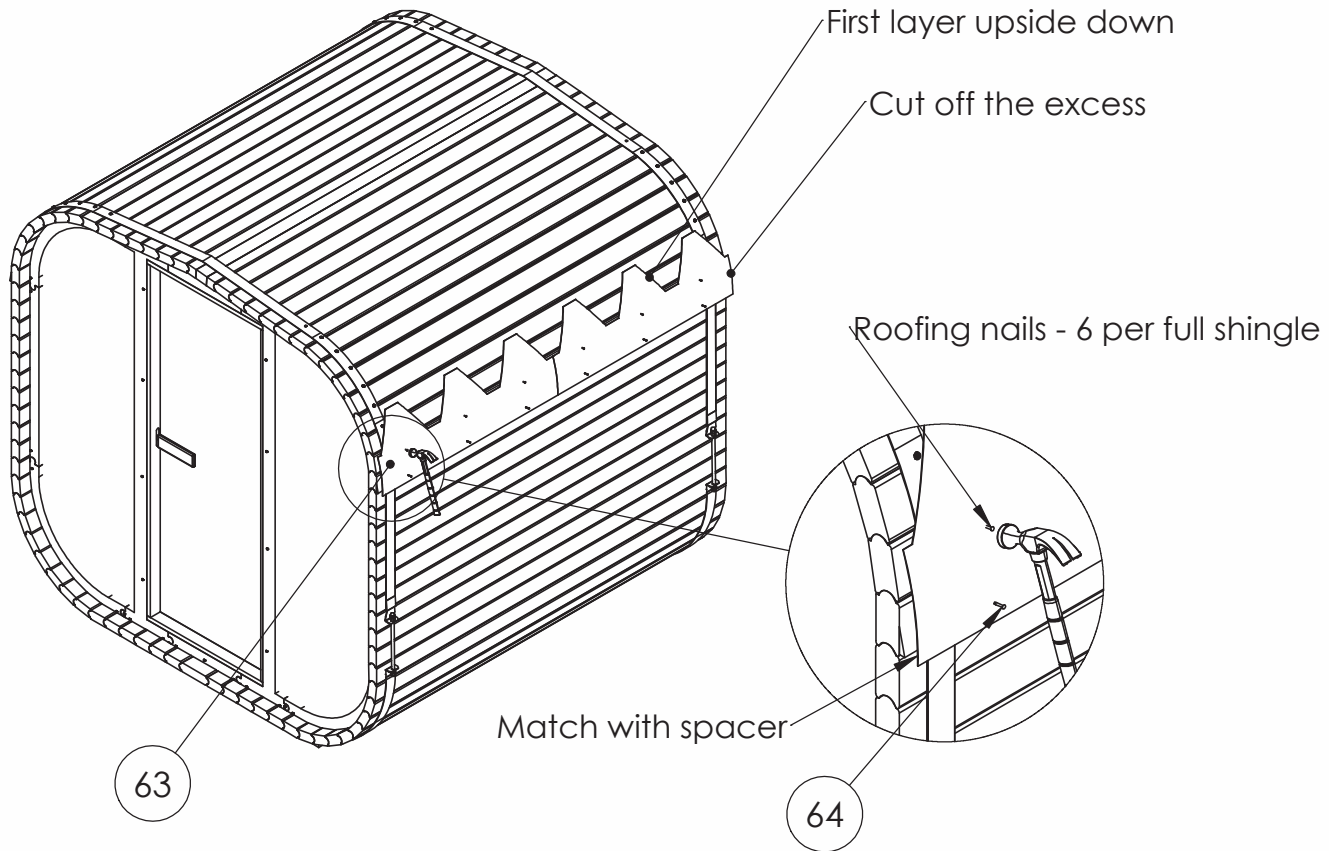


Bend the extension over the edge and fix with a stapler

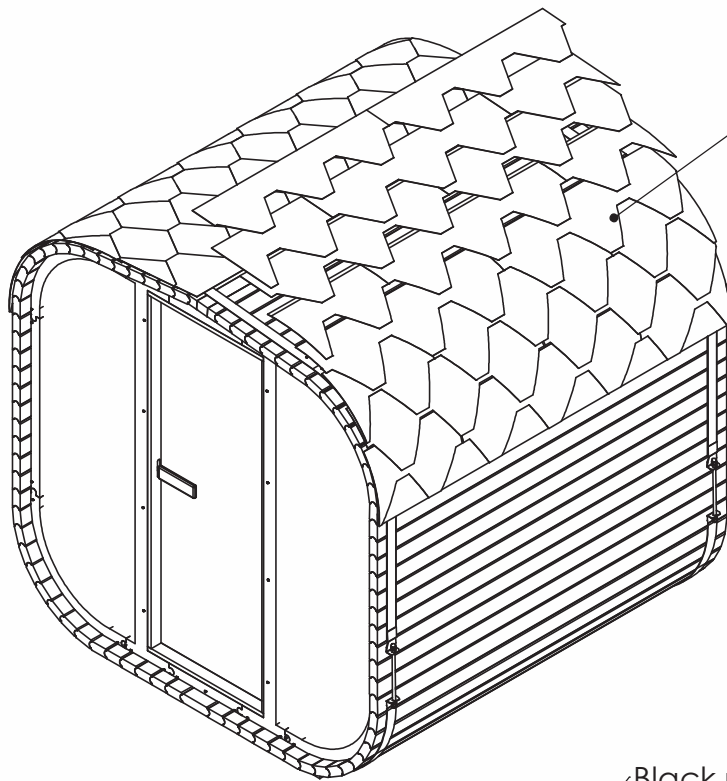


Shingles

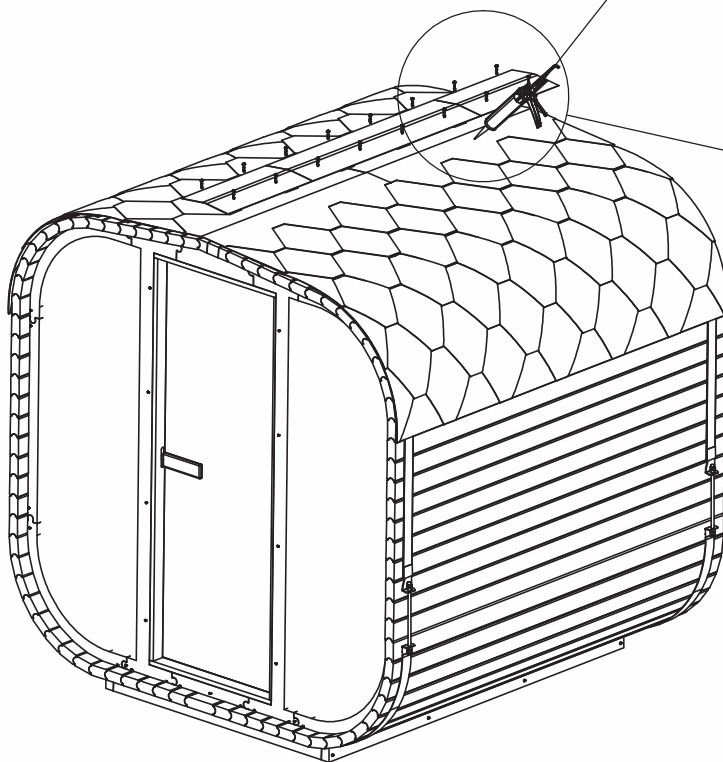
Important: pre-drill every screw



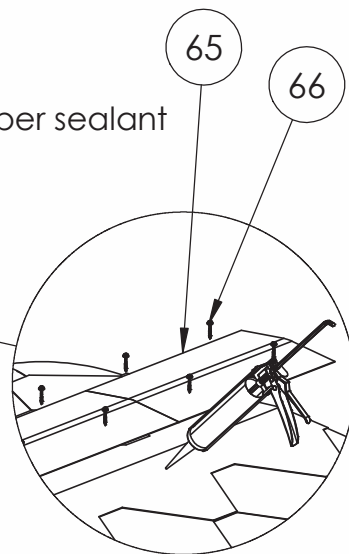
Shingles



Finish nailing shingles to the top from both sides



Black rubber sealant

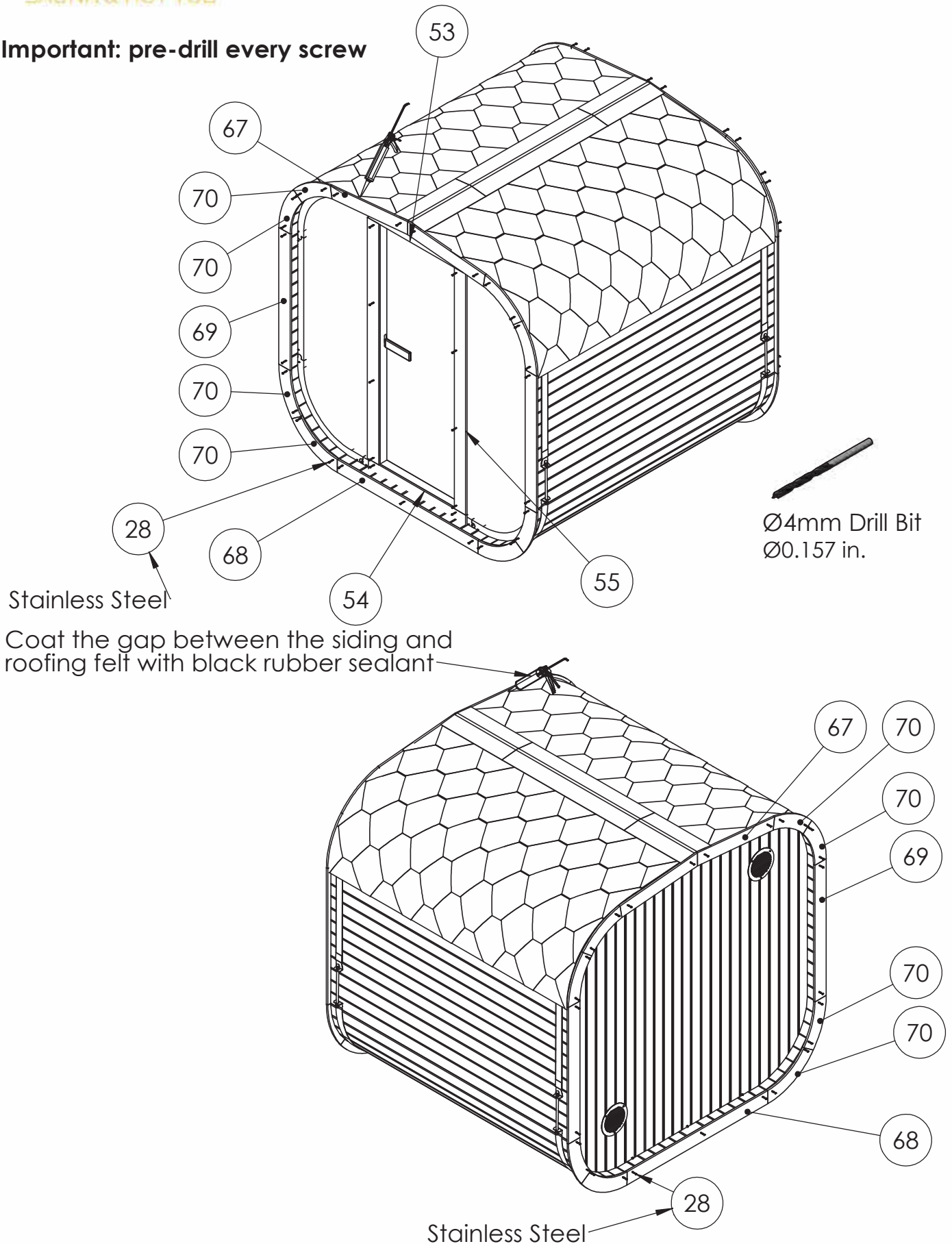


65

66

Sidings

Important: pre-drill every screw



It is recommended to contact a licensed electrician to connect power to the furnace and LED of the sauna.