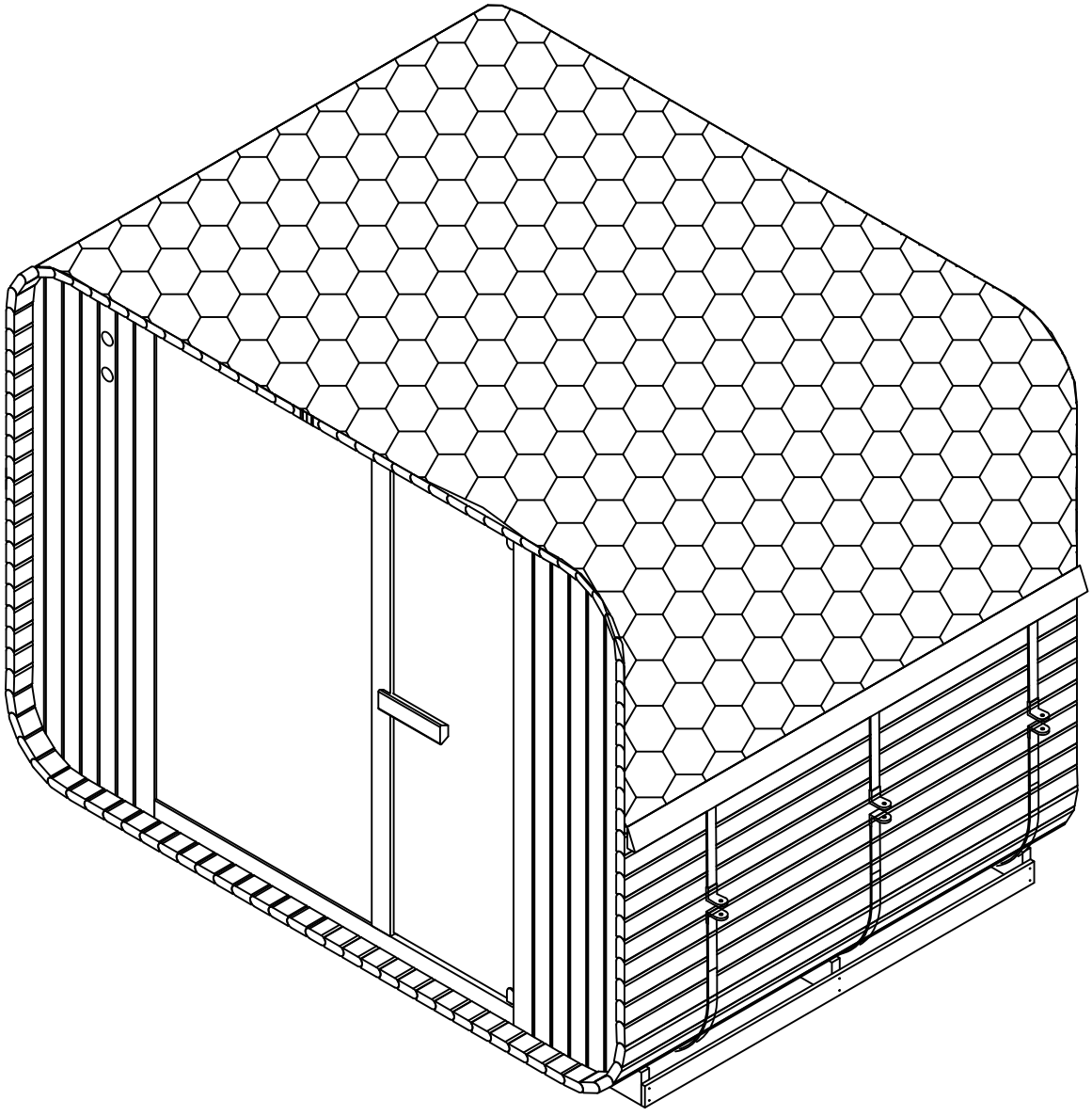
User's manual

Cube 300-BIG



EN

PREFACE

Thank you very much for purchasing our product.

Please read this manual carefully before assembling and save it afterwards.

ATTENTION

Installation and repair should only be done by a qualified electrician!

Check power supply rating and make sure the grounded outlet is correctly connected before installation.

Use original parts only. Do not share the outlet with any other appliances.

When not in use, turn off the cabin's power unit.

Locate your cabin on a flat, level and dry surface.

DANGER

Covering the heaters causes a fire hazard due to overheating. Do not cover the heaters !

Keep flammable or easily combustible materials/objects (eg.towels) away from the heater at all times.

Do not touch the heater during and shortly after use as a burning hazard exists due to hot parts.

Should the electrical connection get damaged, it must be replaced-either by the manufacturer or by a licensed electrician!

WARNING

If you suffer from illness or other health-related problems, especially heart conditions or circulatory disturbances or if you take medication, you should consult a doctor before using the Sauna.

Children and frail persons should never be in the cabin without supervision.

If you feel uncomfortable while using the Sauna, stop immediately and consult with your doctor.

Never go to a hot Sauna if you have taken alcohol, strong medicines or narcotics.

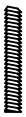
This appliance can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children less than 8 years shall not use the appliance, children 8 years and older shall only use the appliance when supervised. Cleaning and user maintenance shall not be made by children without supervision.

The power supply shall be fitted with an instantaneous residual current device (RCD) with IΔn ≤ 30 mA.

Technical data

Model		Cube 300-BIG
Cabin material		Thermo Spruce
Depth		2200MM
Width		3080MM
Height		2250MM
Voltage		AC380V
Radiators	Type	Sauna stove
	Total output	9KW

Hardware parts (variations possible)

												
Ø4x70	Ø4x40	Ø4x50	Ø4x60	Ø3*16	Ø4*12	Ø5x100	Ø6x60	Ø12x200	M12	Ø12/Ø24	38*15*2	
6x	161x	32x	84x	9x	4x	26x	4x	3x	6x	6x	1x	2x
	 plastic feet	 wood cover		 washer for handle	 Ø58	 Ø60	 M18	 Ø16x21				 Rubber Strip
6x	18x	5x	6x	8x	1x	1x	1x	4x	4x	6x	1x	14m

ASSEMBLE INSTRUCTIONS

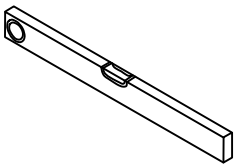
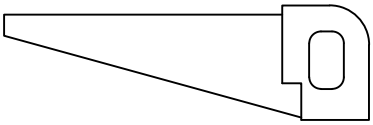
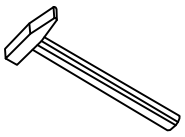
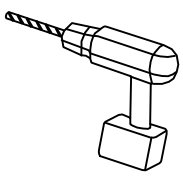
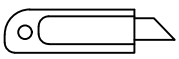
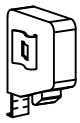
Assemble tips

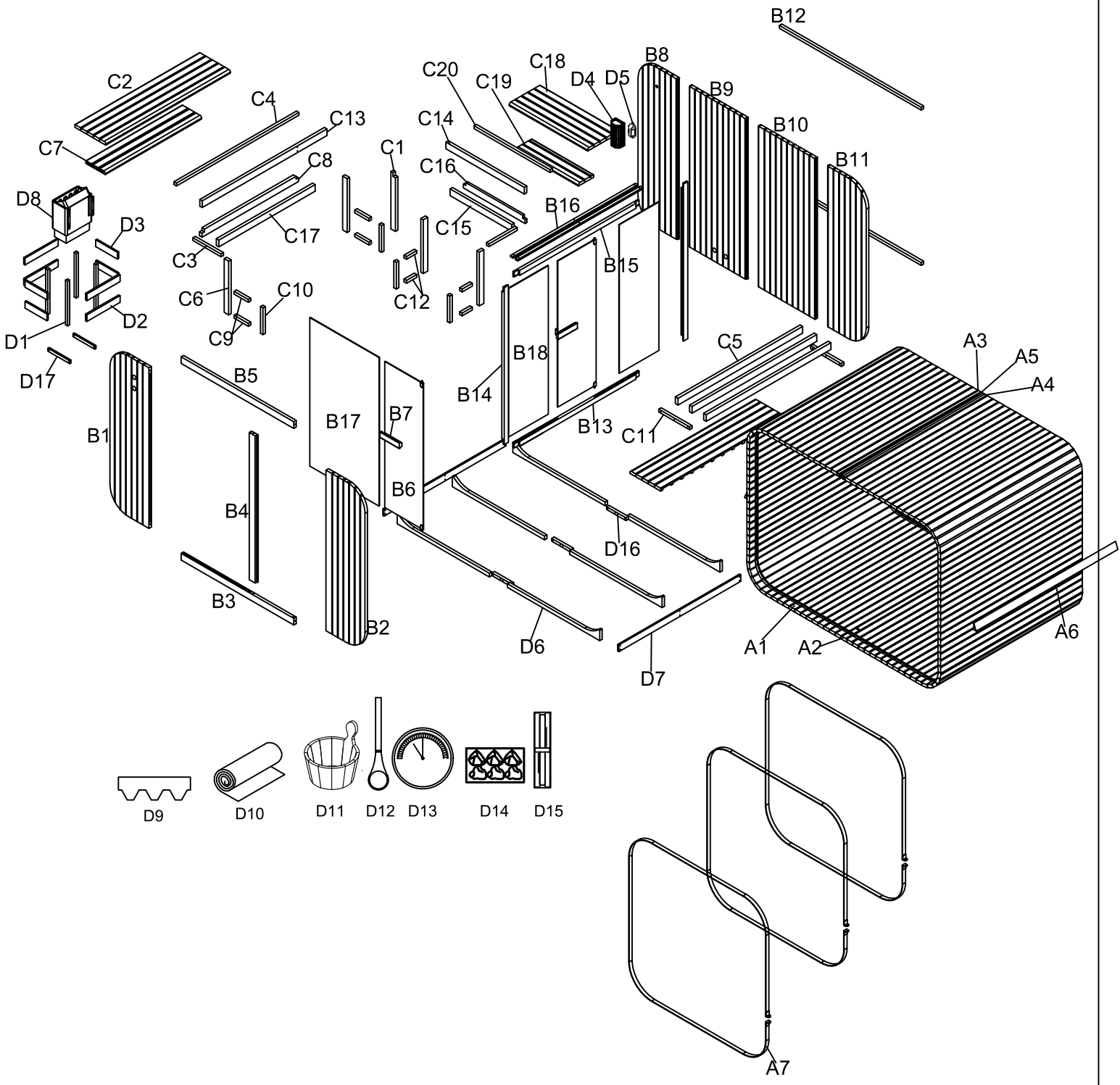
1.Please remove transport packaging and inspect that your sauna room has been delivered complete and intact before beginning assemble.

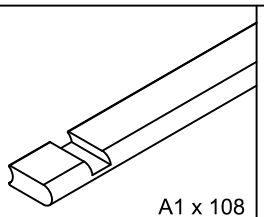
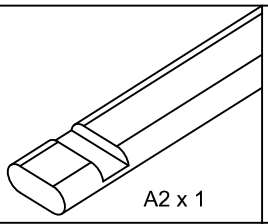
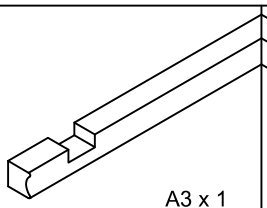
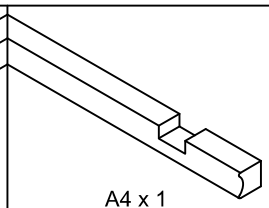
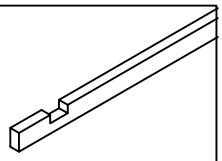
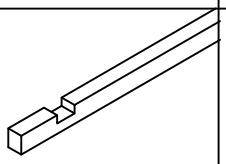
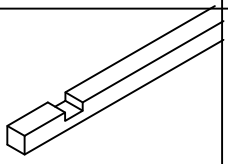
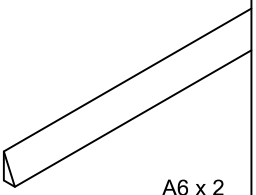
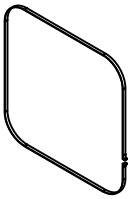
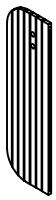
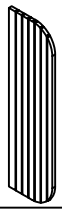
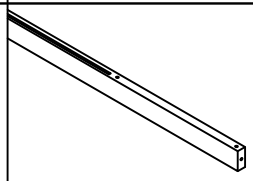
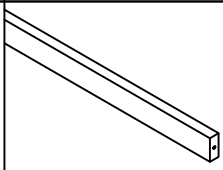
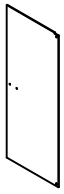
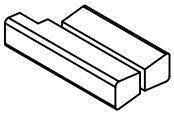
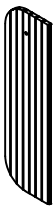
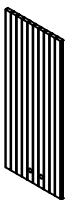
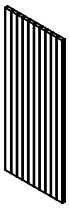
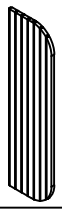
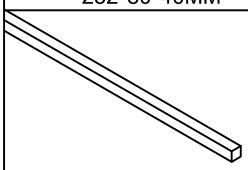
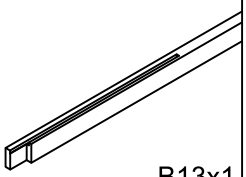
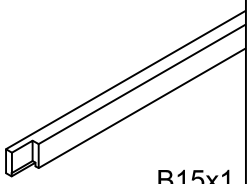
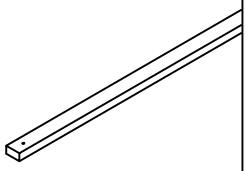
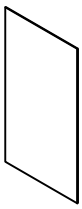
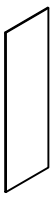
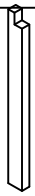
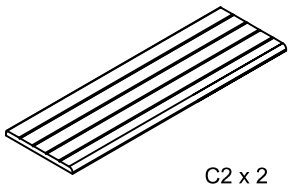
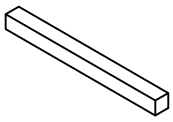
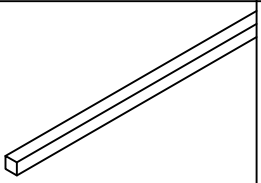
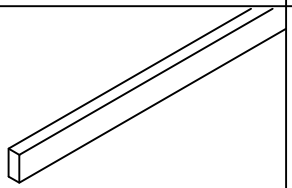
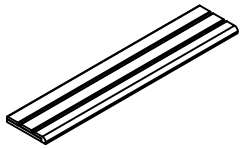
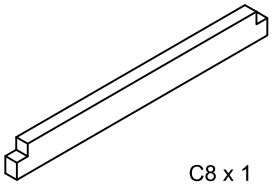
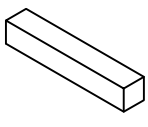
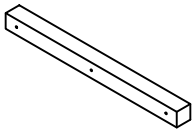
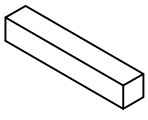
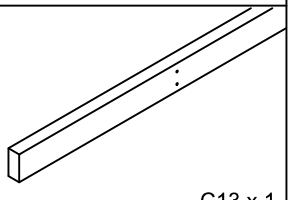
2.At least 2 persons are required for assemble of the room.

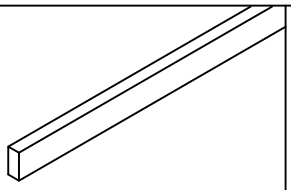
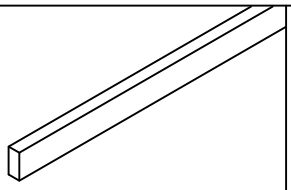
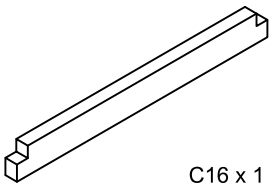
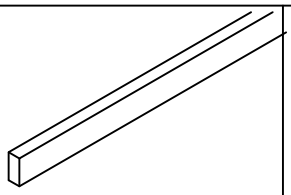
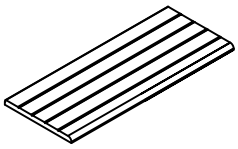
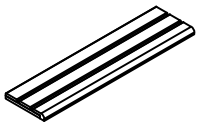
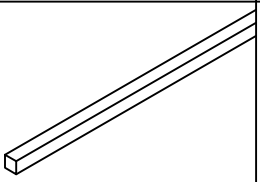
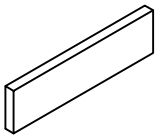
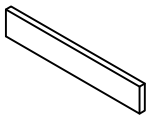
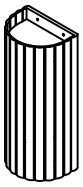
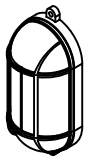
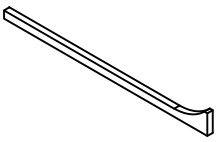
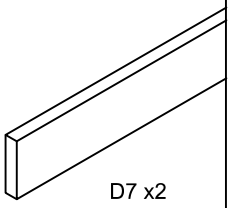
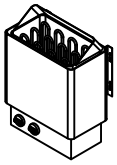
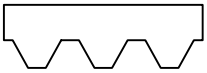
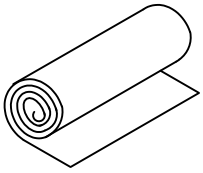
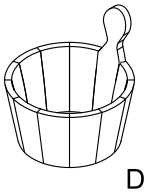
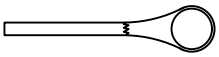
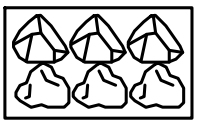
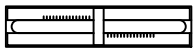
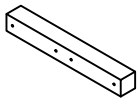
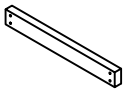
3.Please check the countersink and hole diameter of the drill holes to avoid damaging the wood.

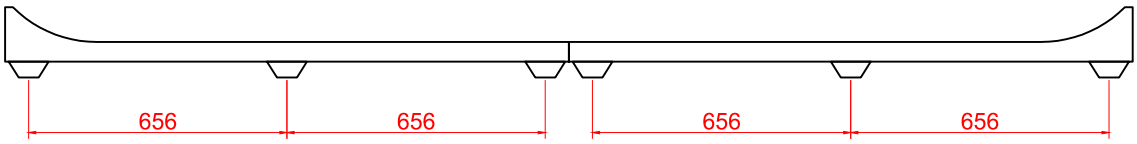
Tools

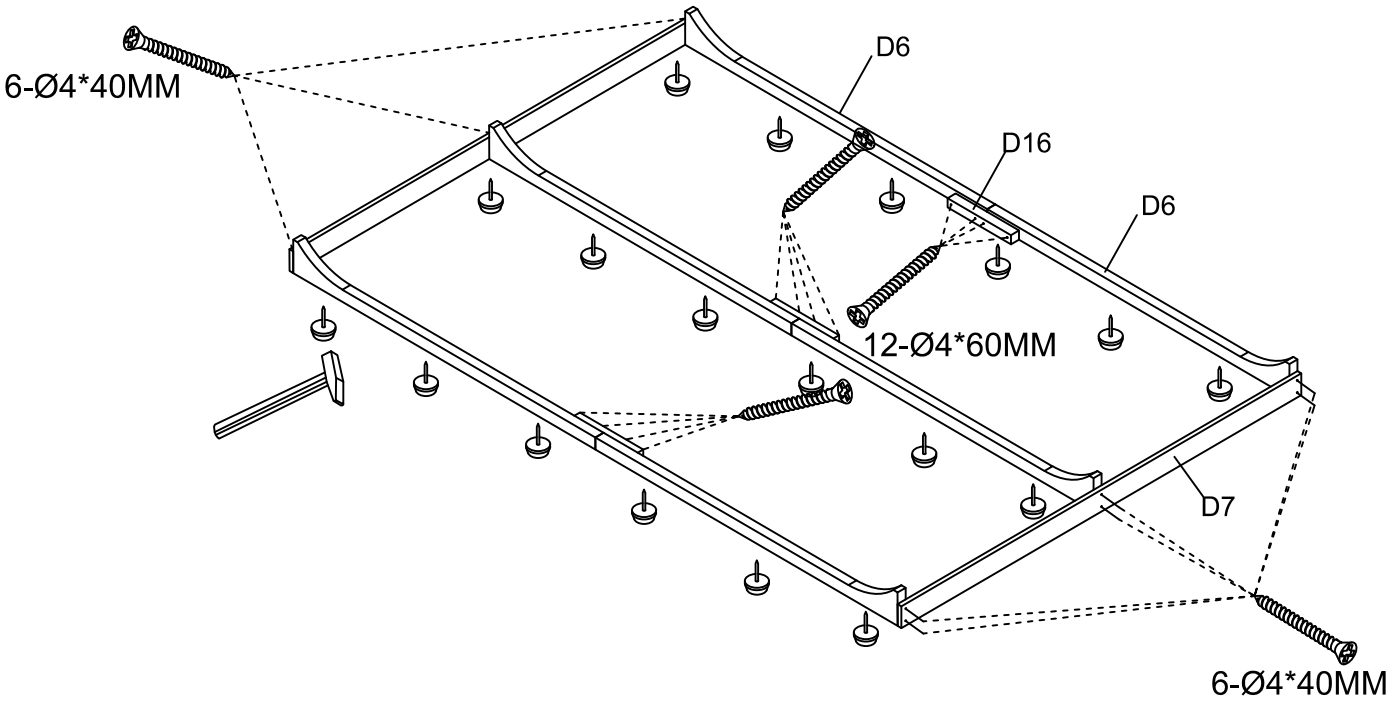








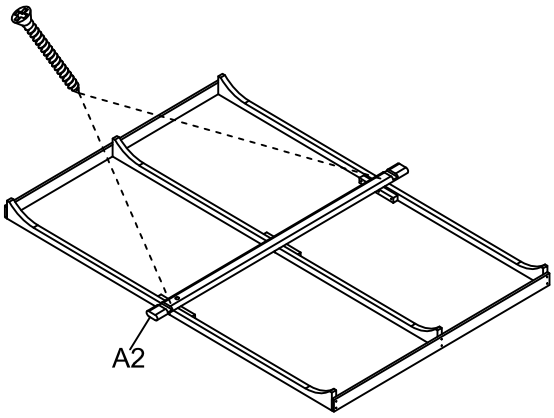

B12
B8
C20
C18
C19
D4
D5
B9
C2
C4
C13
C14
B10
C7
C1
C8
C16
B11
D8
D3
C17
C15
B16
C3
B15
C6
C10
C12
D2
D1
C9
B18
C5
A3
A5
D17
B5
B14
A4
B1
B17
B7
B13
C11
B4
B6
D16
B3
B2
D6
A1
A2
A6
D7
D9
D10
D11
D12
D13
D14
D15
A7

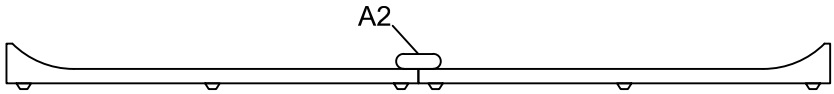
 A1 x 108	 A2 x 1	 A3 x 1	 A4 x 1	 A5.1 x 1
2200*97*38MM	2200*97*38MM	2200*47*38MM	2200*47*38MM	2200*38*10MM
 A5.2 x 1	 A5.3 x 1	 A6 x 2	 A7 x 3	 B1x1
2200*38*20MM	2200*38*30MM	2200*90*38MM	9850*40*4MM	2158*606*38
 B2x1	 B3x1	 B4x1	 B5x1	 B6 x 2
2158*606*38	1747*90*38	1978*90*38	1747*90*38	1963*595*8MM
 B7 x 2	 B8x1	 B9x1	 B10x1	 B11x1
300*80*40MM 252*80*40MM	2158*614*38	2158*818*38	2158*880*38	2158*614*38
 B12x2	 B13x1	 B14x2	 B15x1	 B16x2
2200*38*38	1942*66*38	2110*66*38	1942*66*38	1942*38*18
 B17x1	 B18x2	 C1x1	 C2 x 2	 C3x2
1996*1075*8	1996*614*8	772*90*38	1935*478*38MM	438*38*38
 C4 x 1	 C5 x 3	 C6 x 4	 C7x1	 C8 x 1
1897*38*38MM	1935*90*38MM	722*70*38MM	1495*300*38	1495*90*38MM
 C9 x 4	 C10 x 4	 C11 x 2	 C12 x 4	 C13 x 1
222*38*38MM	360*38*38MM	478*38*38MM	159*38*38MM	1935*90*38MM

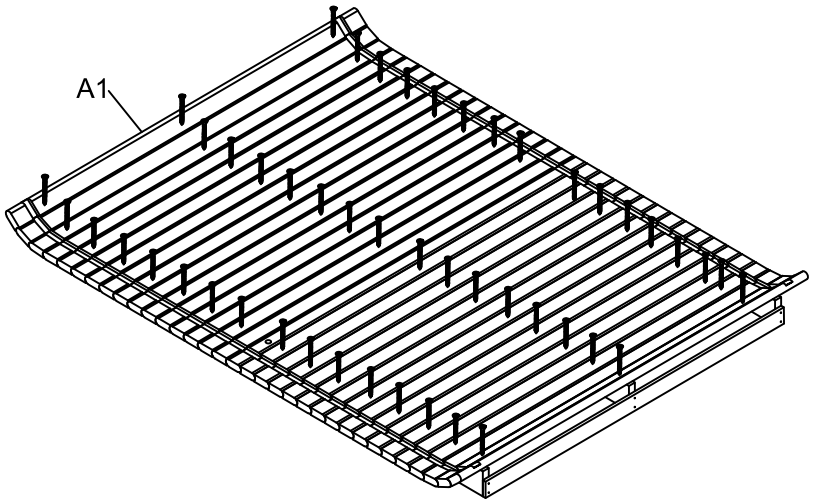
 C14 x 1	 C15 x 1	 C16 x 1	 C17 x 1	 C18 x 1
1218*90*38MM	958*90*38MM	958*90*38MM	1495*90*38MM	1218*478*38MM
 C19x1	 C20 x 1	 D1 x 4	 D2 x 4	 D3 x 4
958*235*38	1180*38*38MM	600*33*33MM	520*90*20MM	360*90*20MM
 D4 x 1	 D5 x 1	 D6x6	 D7 x2	 D8 x 1
300*142*105MM	Sauna light	1432*138*38	1892*90*20MM	Sauna stove
 D9 x 122	 D10 x 5	 D11x1	 D12x1	 D13x1
1010*320MM	1000*2220MM	Bucket	Ladle	thermometer
 D14x1	 D15x1	 D16x3	 D17x2	
sauna stones	hourglass	300*38*38	360*33*20	

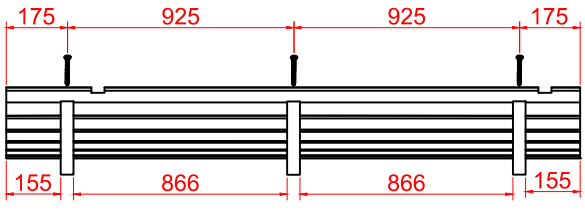

656
656
656
656

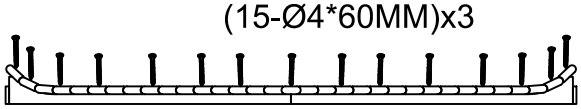

6-Ø4*40MM
D6
D16
D6
12-Ø4*60MM
D7
6-Ø4*40MM

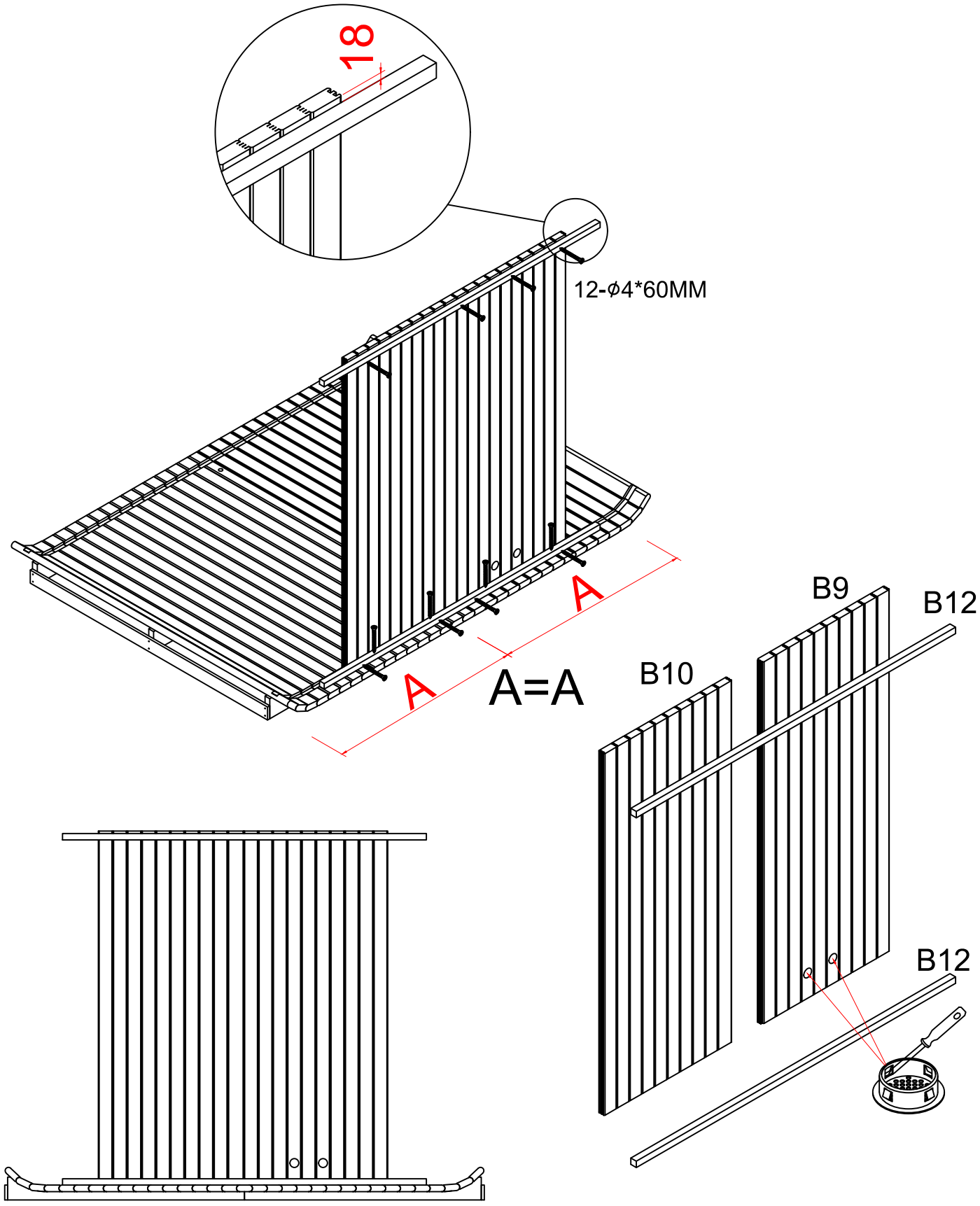

A2

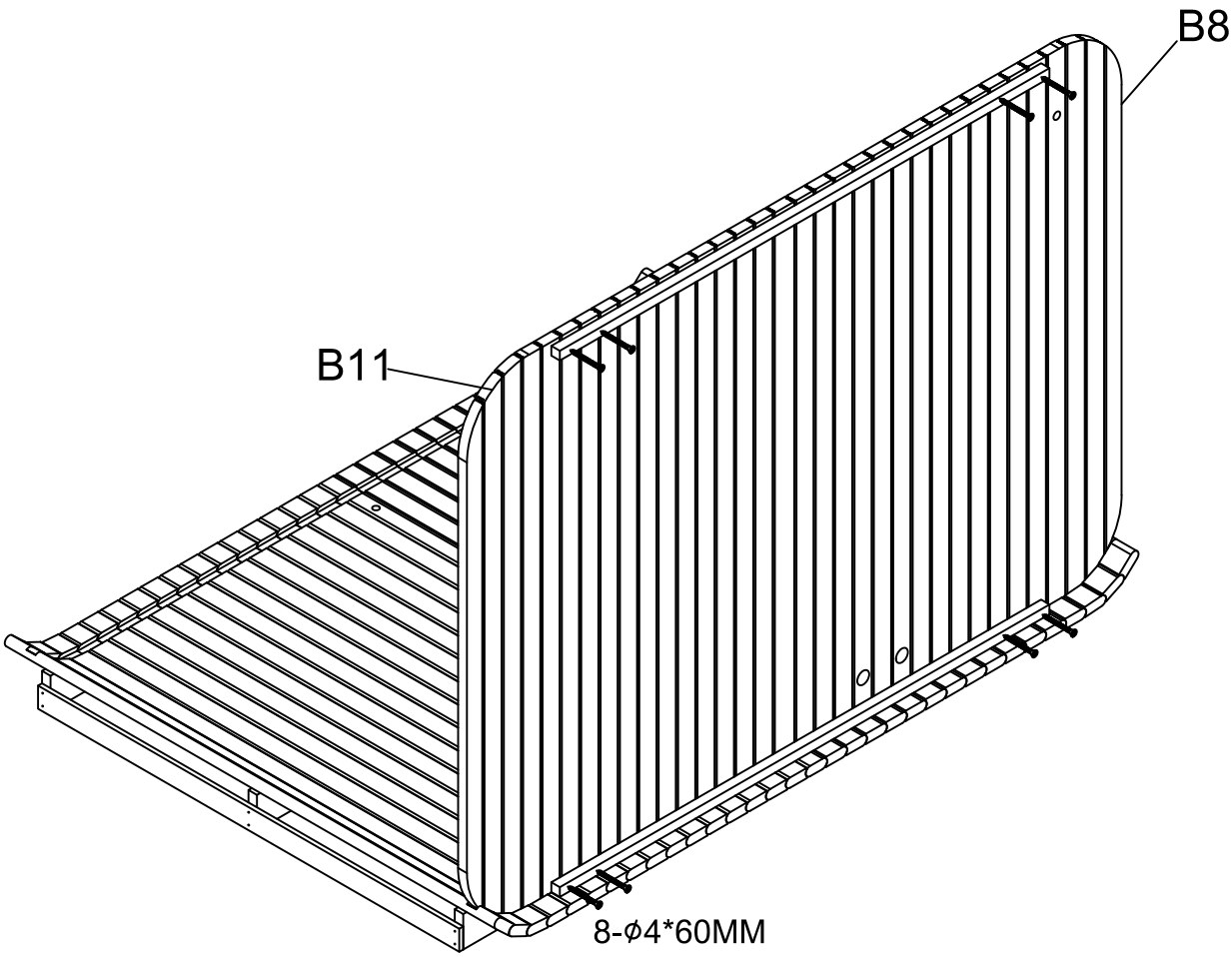

A2

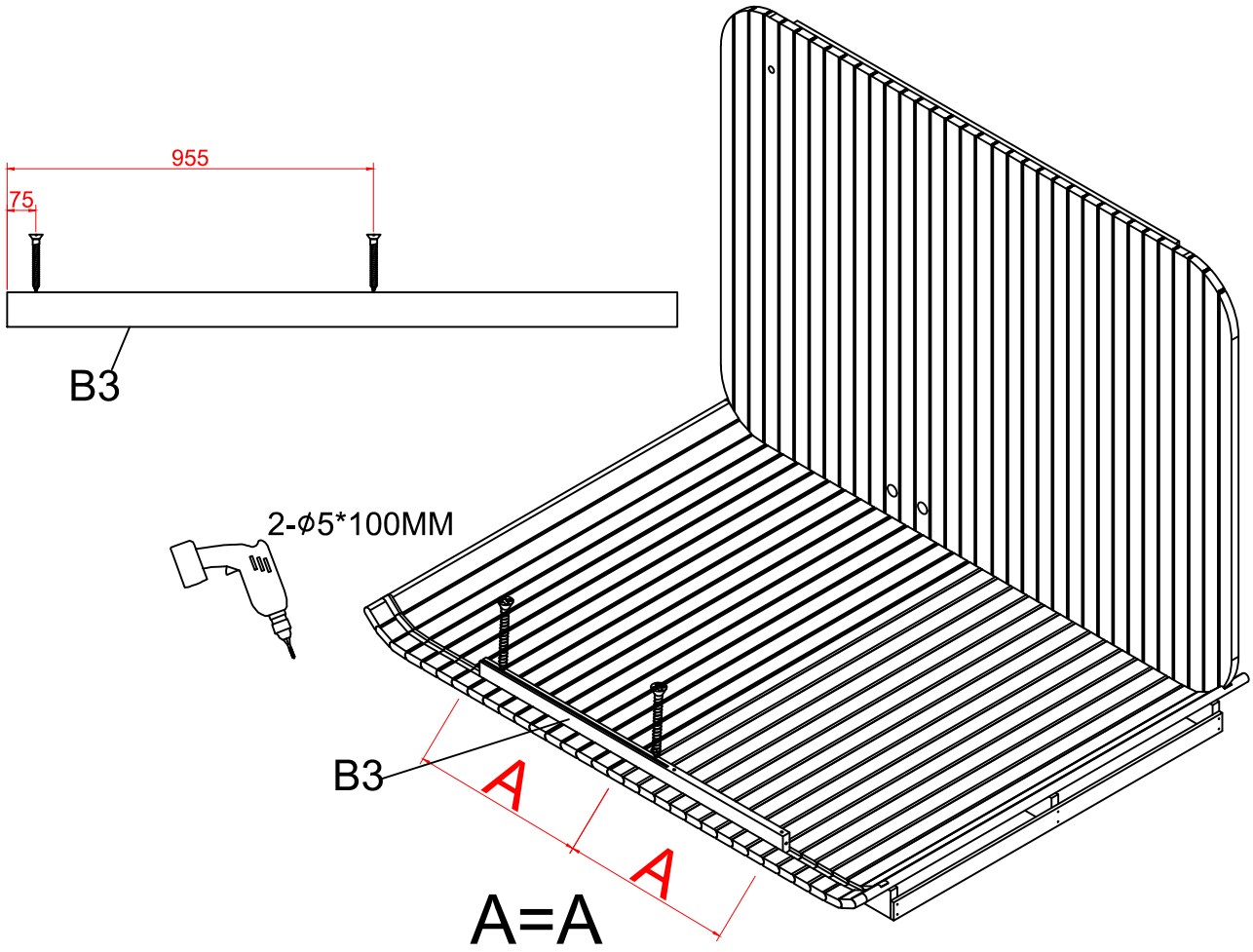

A1

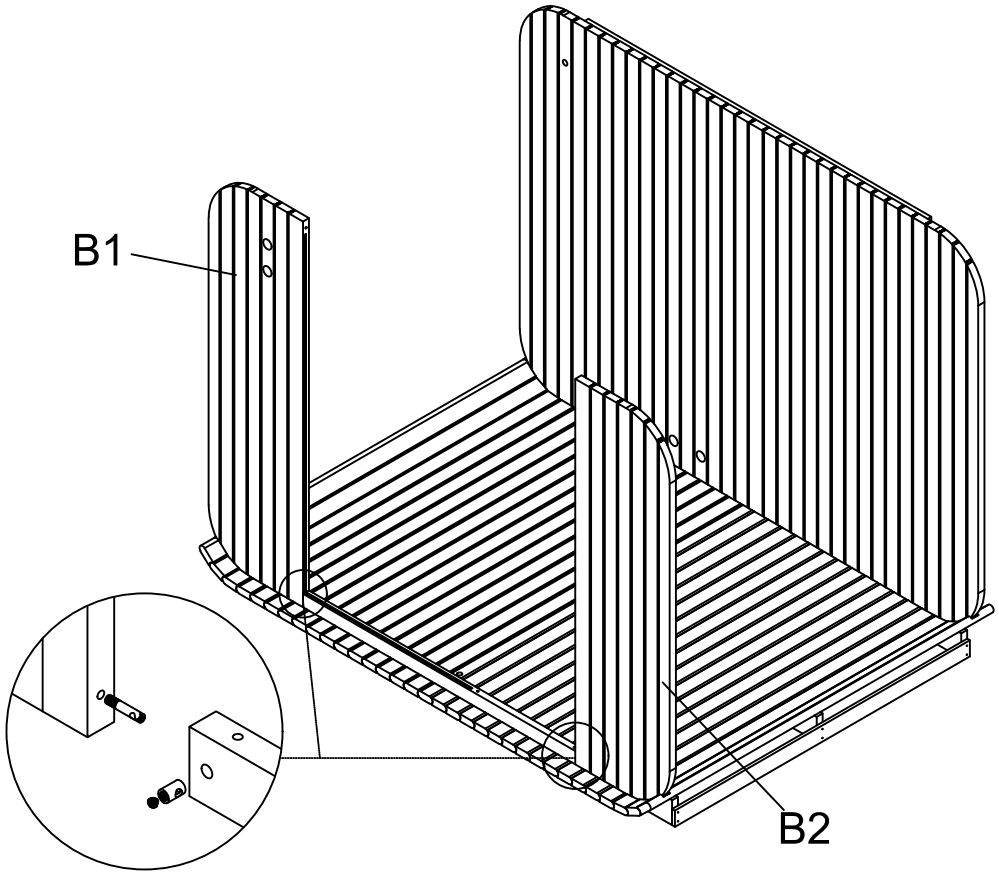

175
925
925
175
155
866
866
155

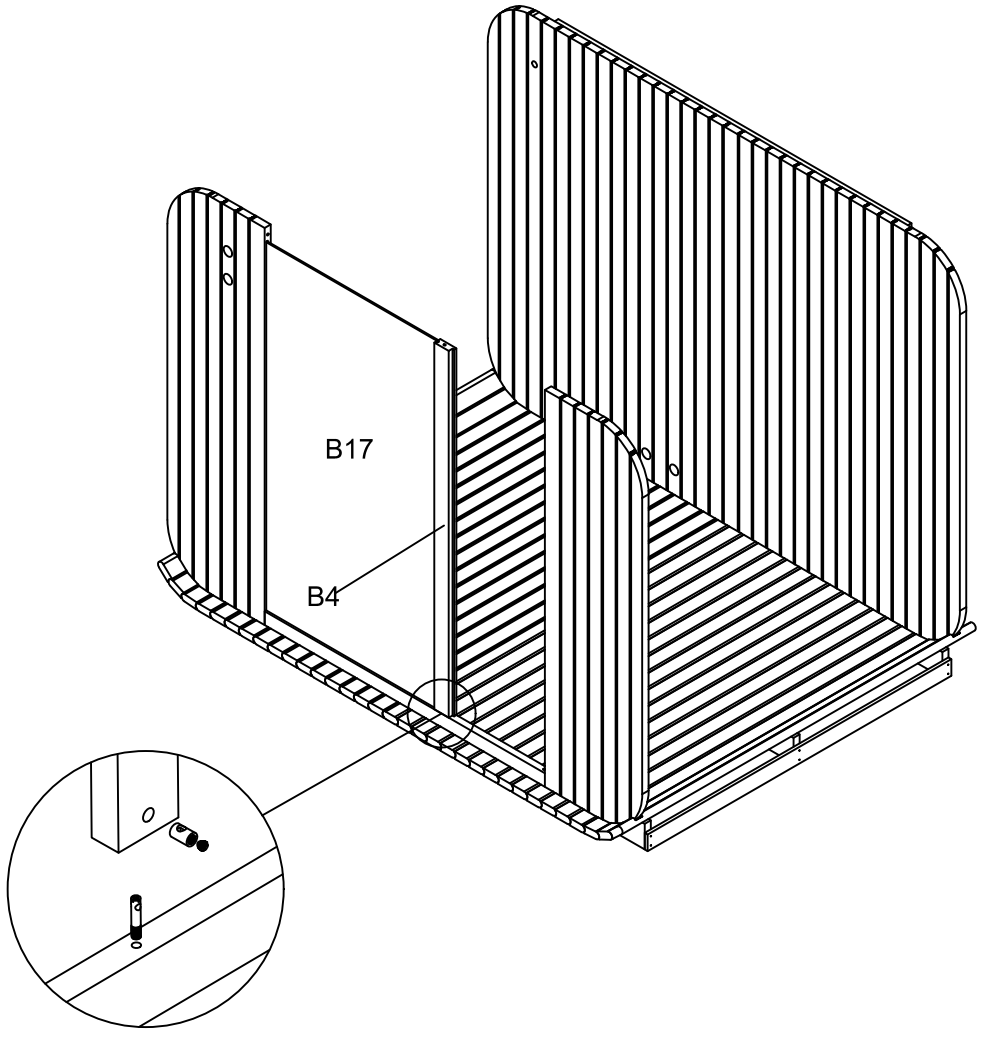

(15-Ø4*60MM)x3

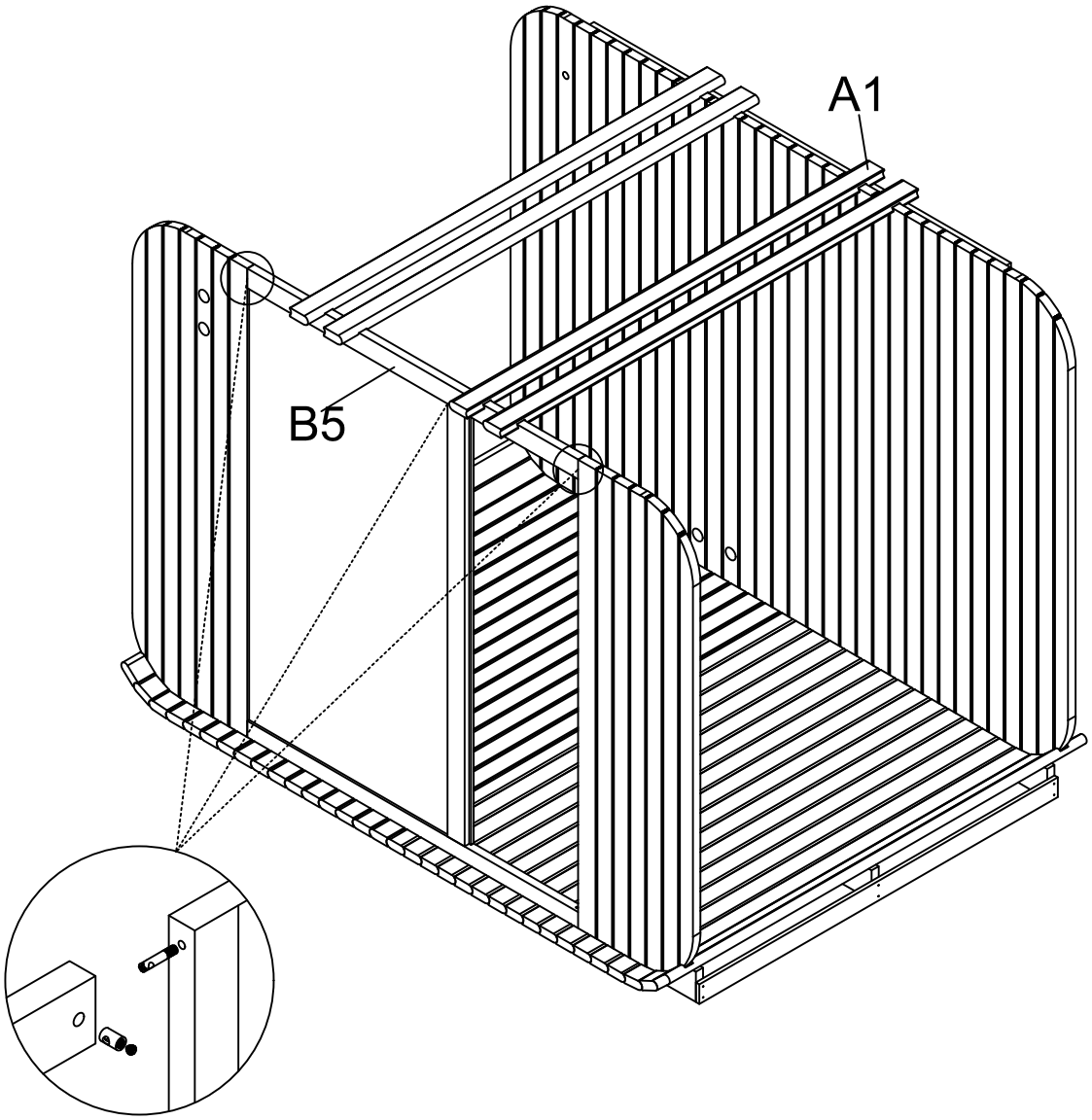

18
12-ϕ4*60MM
A
A
A=A
B9
B12
B10
B12

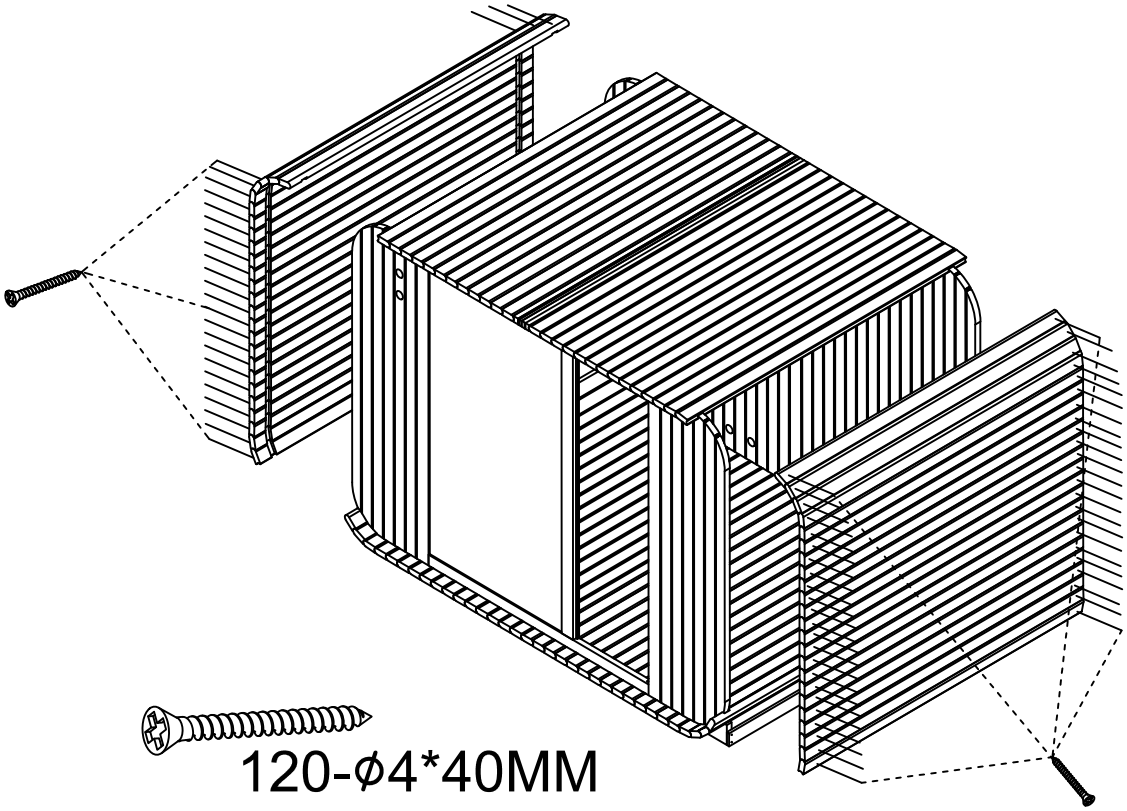

B8
B11
8-φ4*60MM

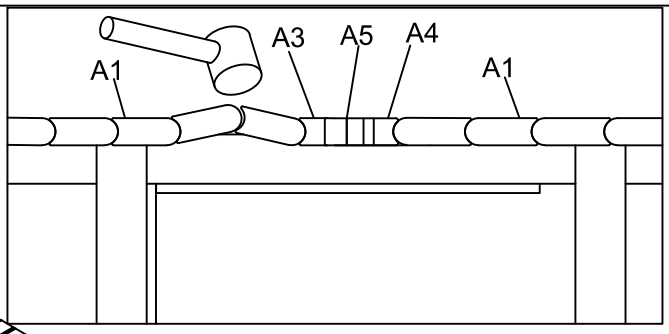

955
75
B3
2-φ5*100MM
B3
A
A
A=A

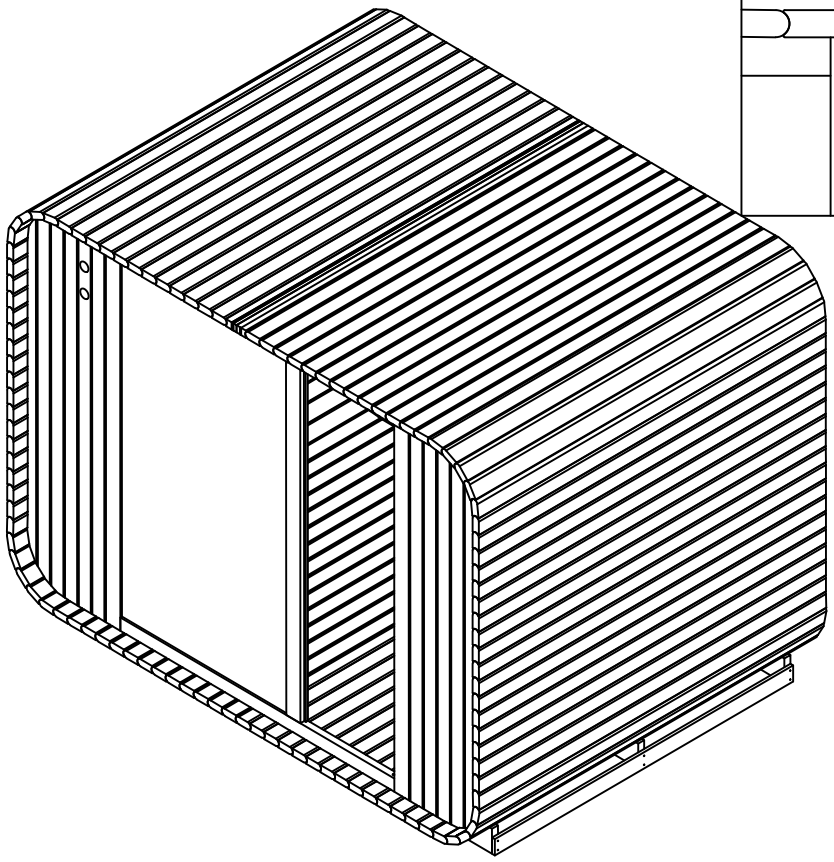

B1
B2

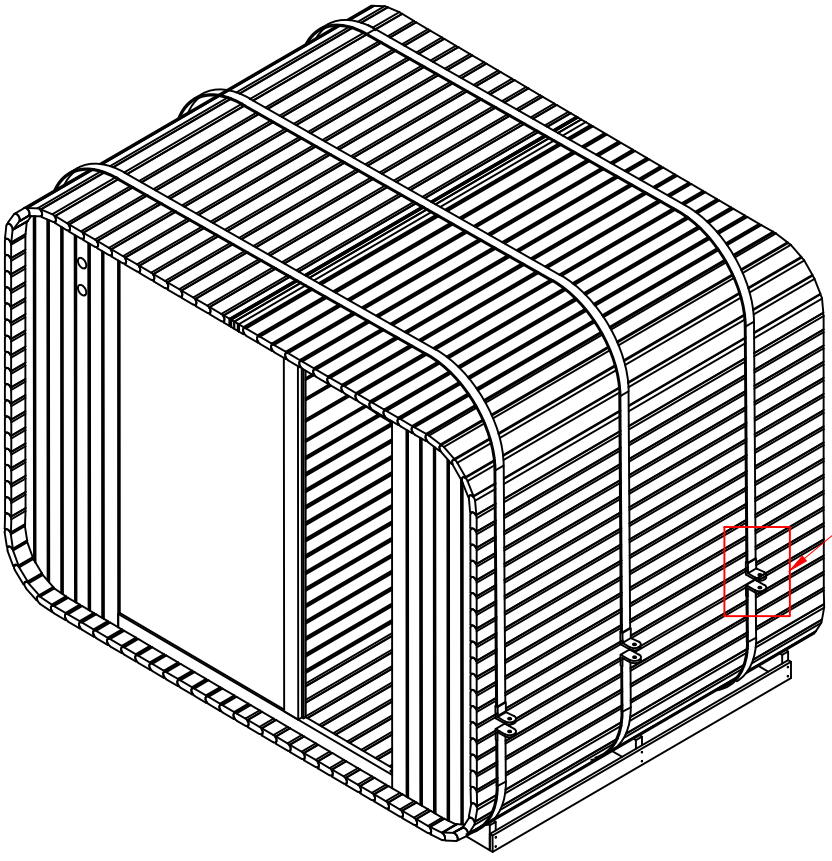

B17
B4

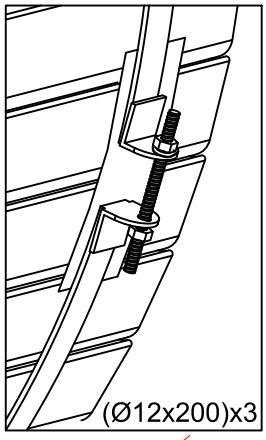

A1
B5

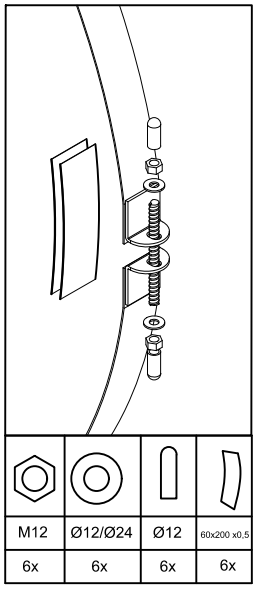

120-ϕ4*40MM



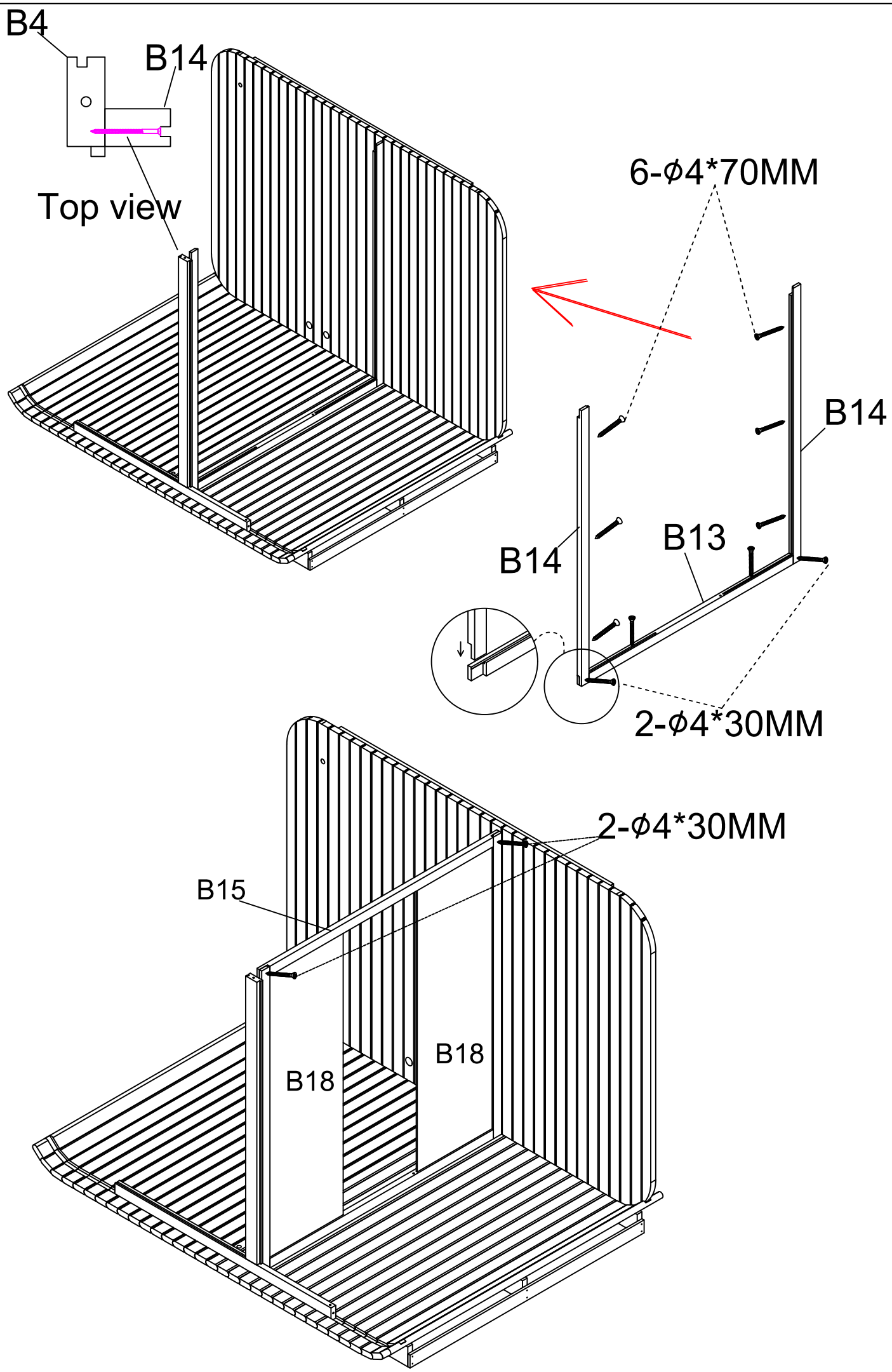


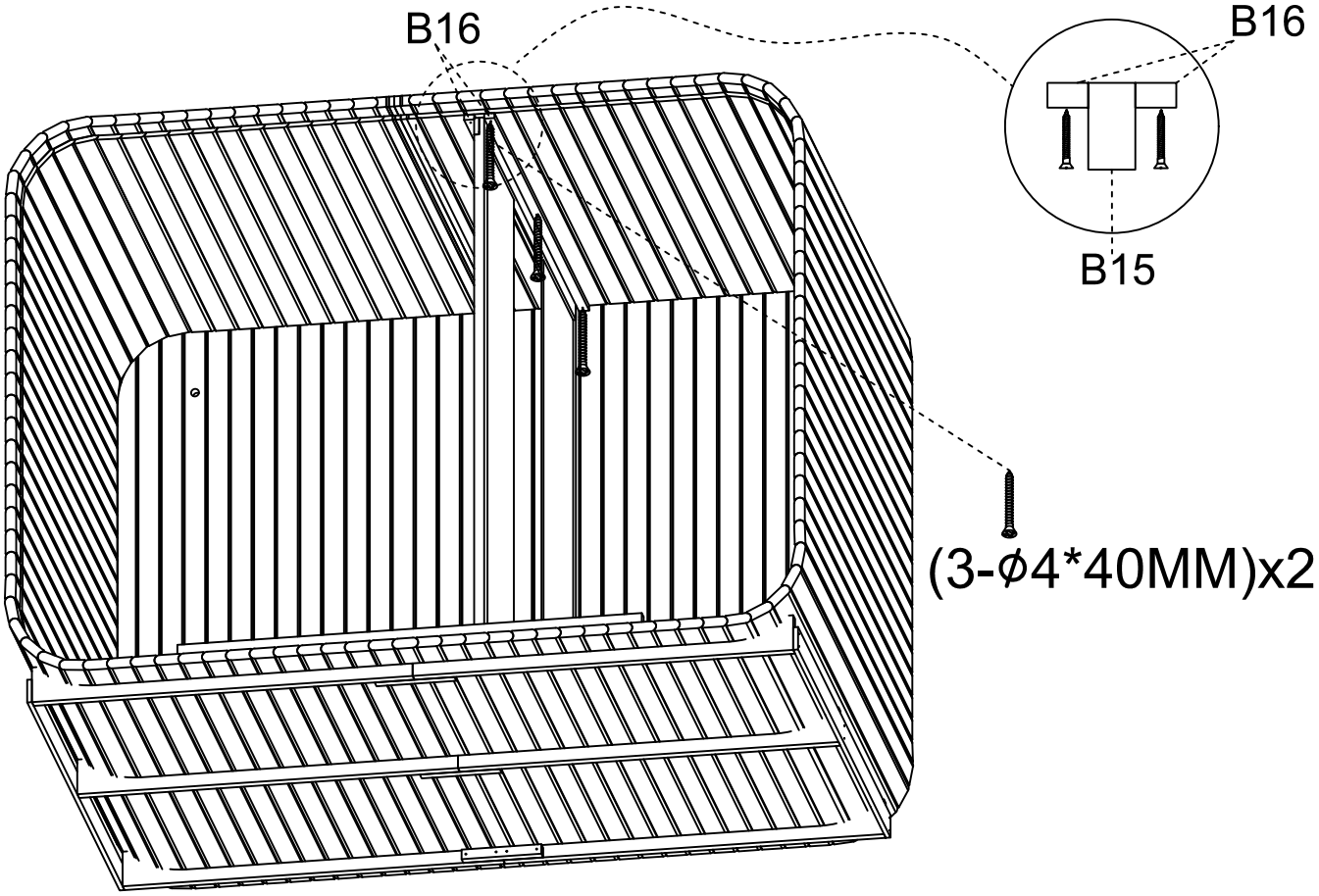


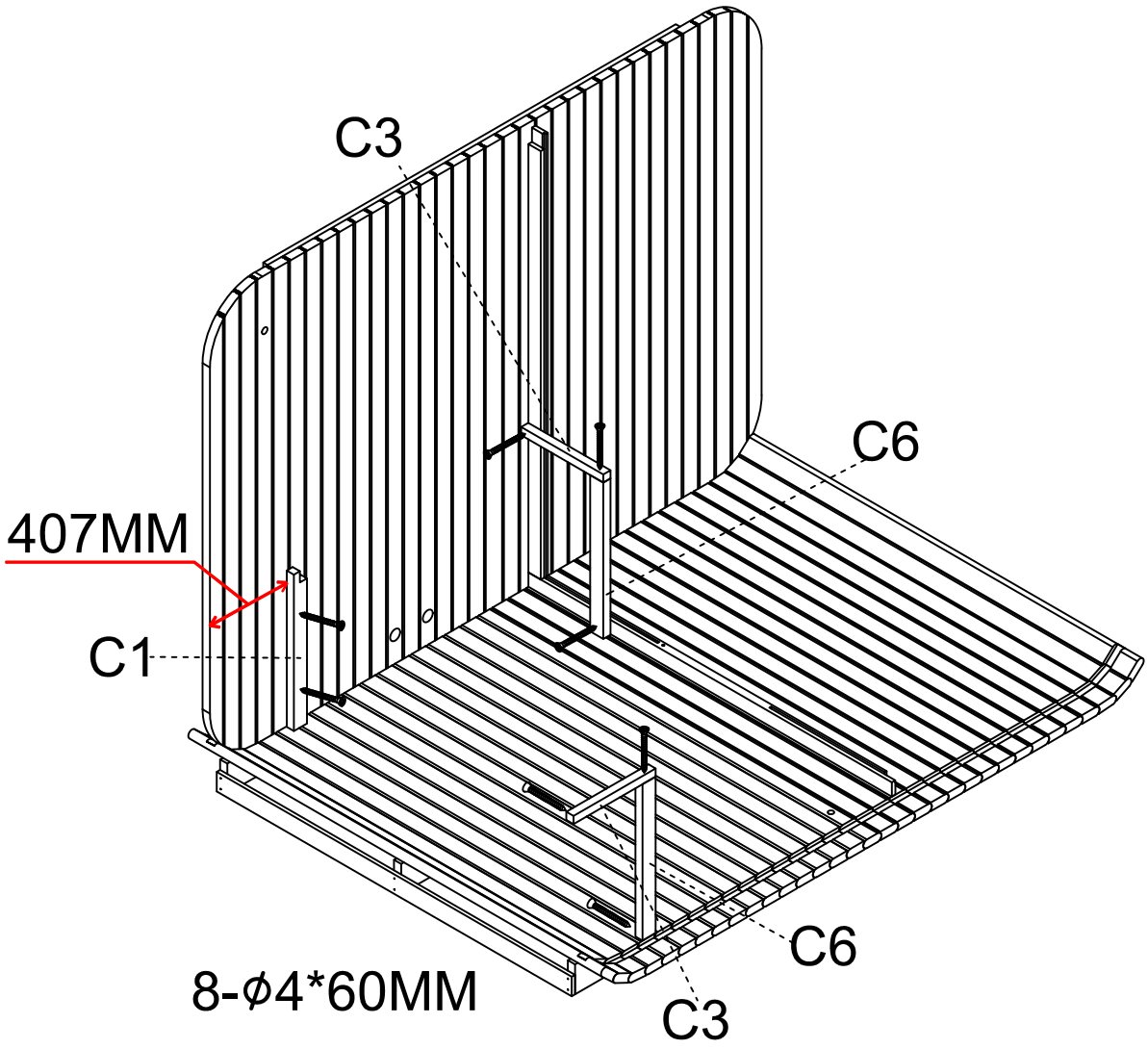


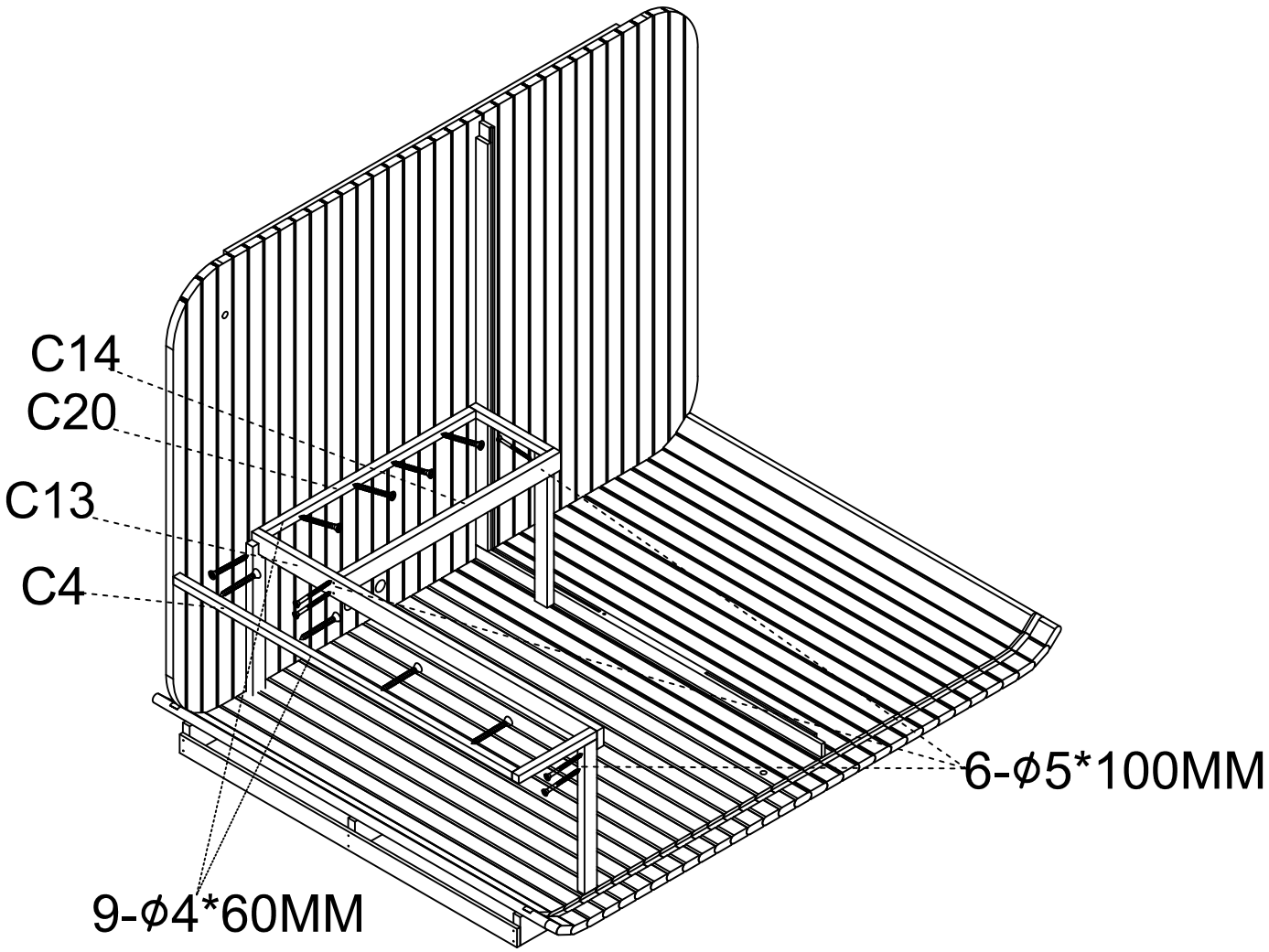


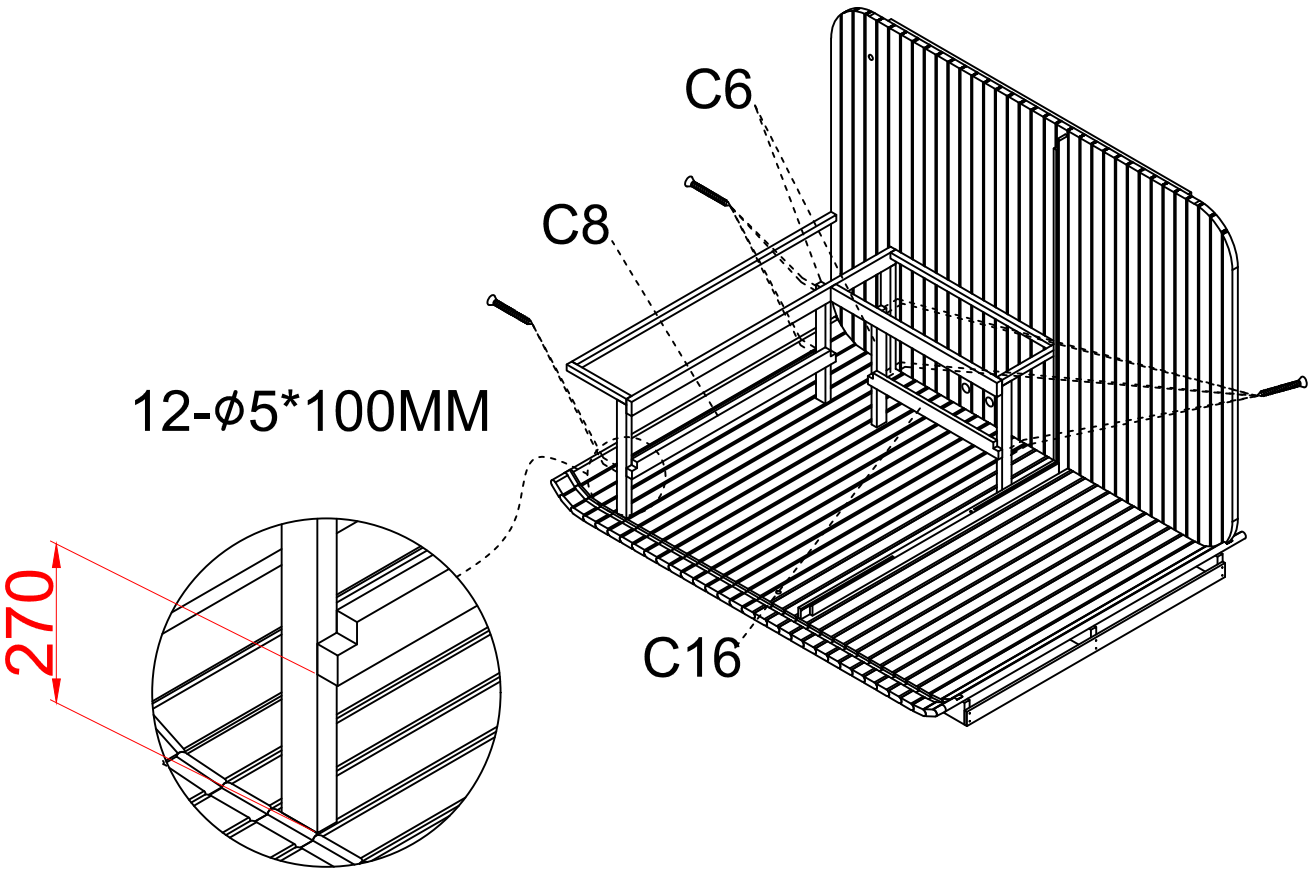
M12	Ø12/Ø24	Ø12	60x200 x0,5
6x	6x	6x	6x

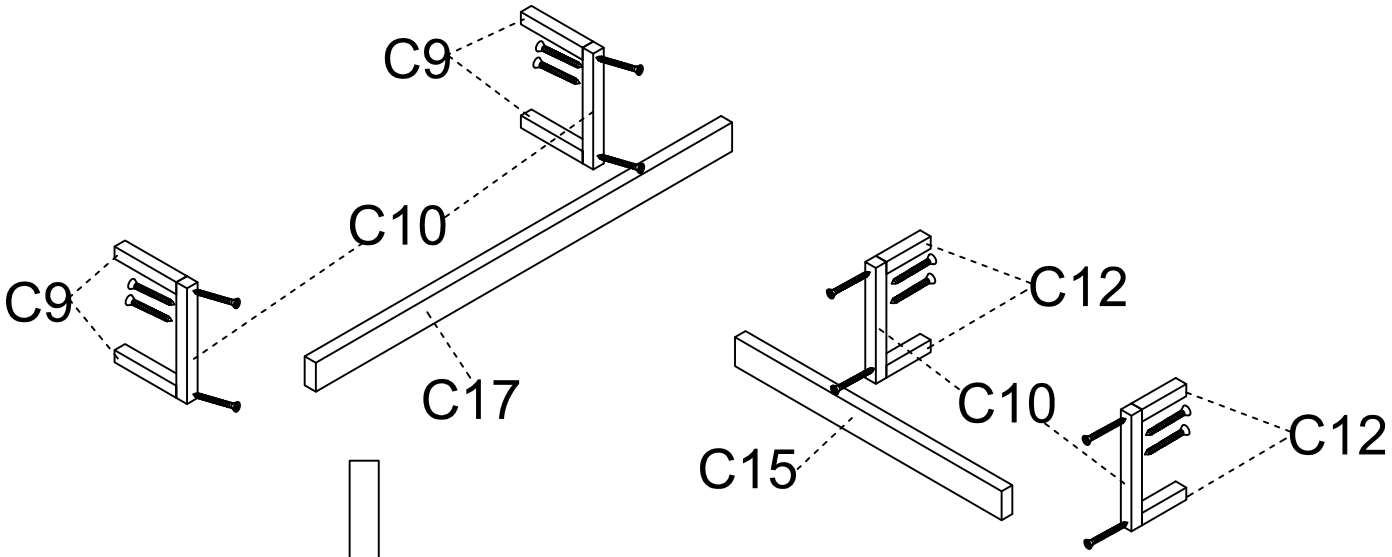

B4
B14
Top view
6-φ4*70MM
B14
B14
B13
2-φ4*30MM
2-φ4*30MM
B15
B18
B18

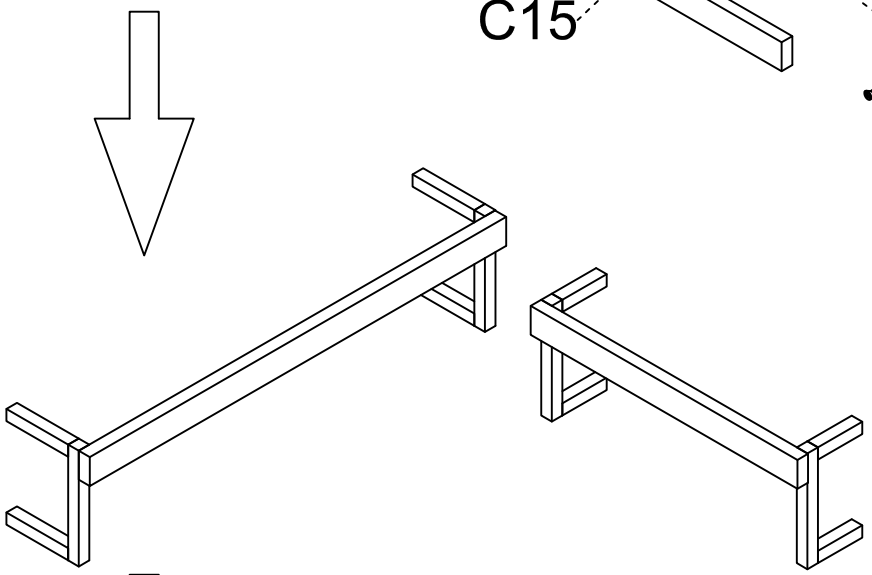

B16
B16
B15
(3-φ4*40MM)x2

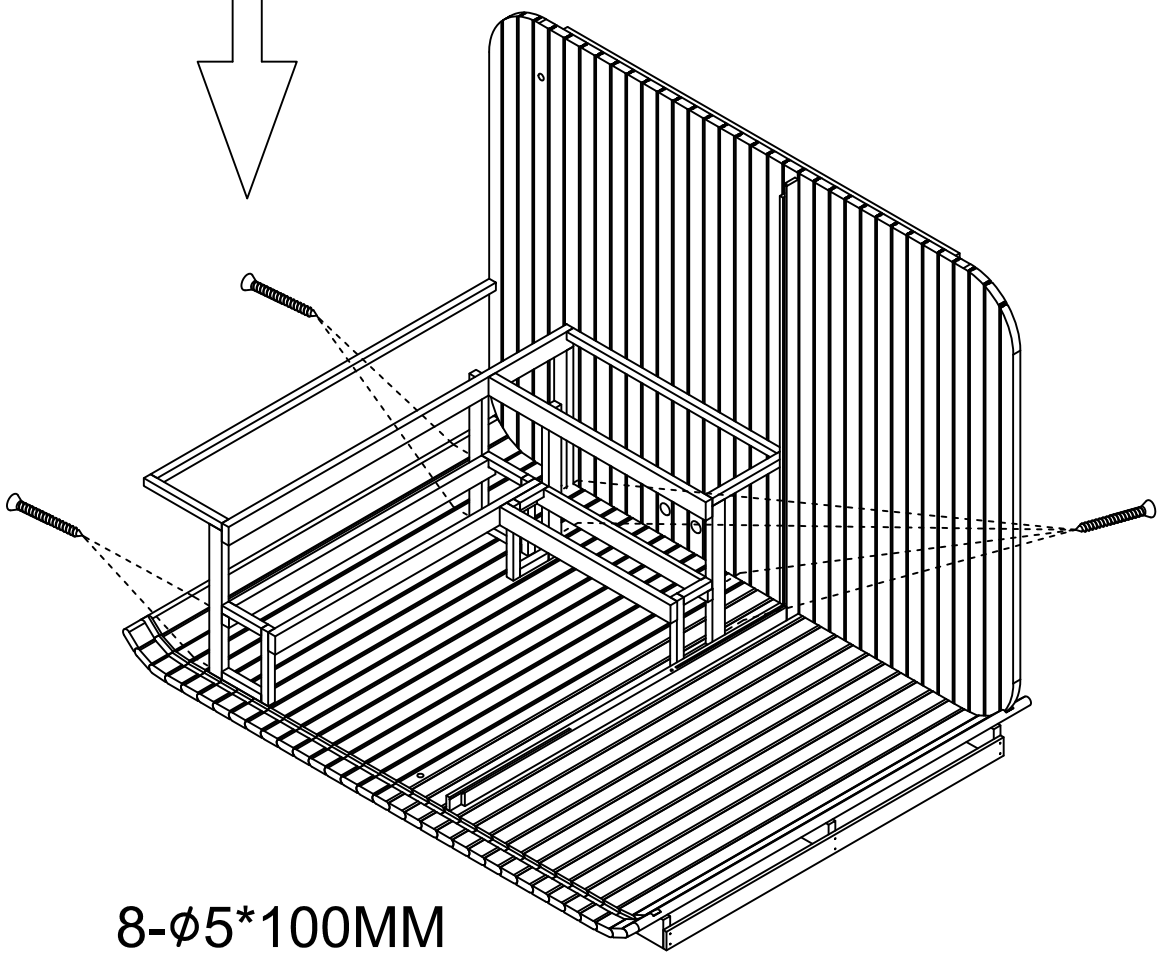

C3
C6
407MM
C1
C6
8-φ4*60MM
C3


C14
C20
C13
C4
6-ϕ5*100MM
9-ϕ4*60MM

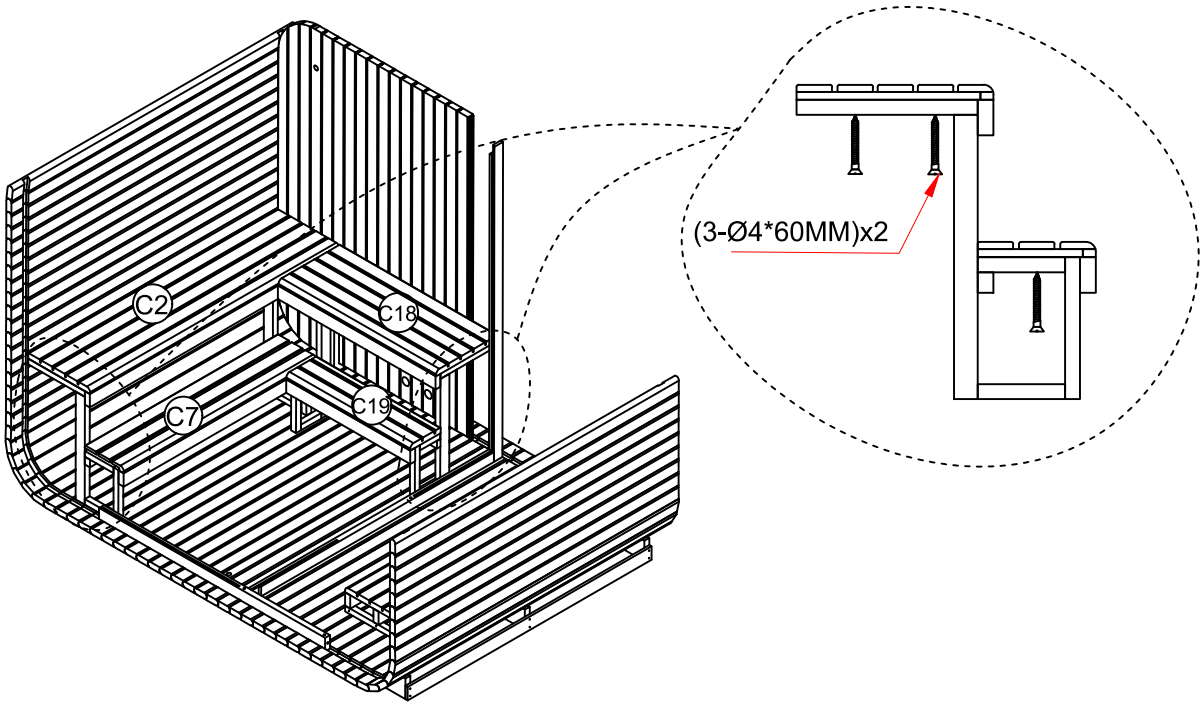

C6
C8
12-ϕ5*100MM
270
C16

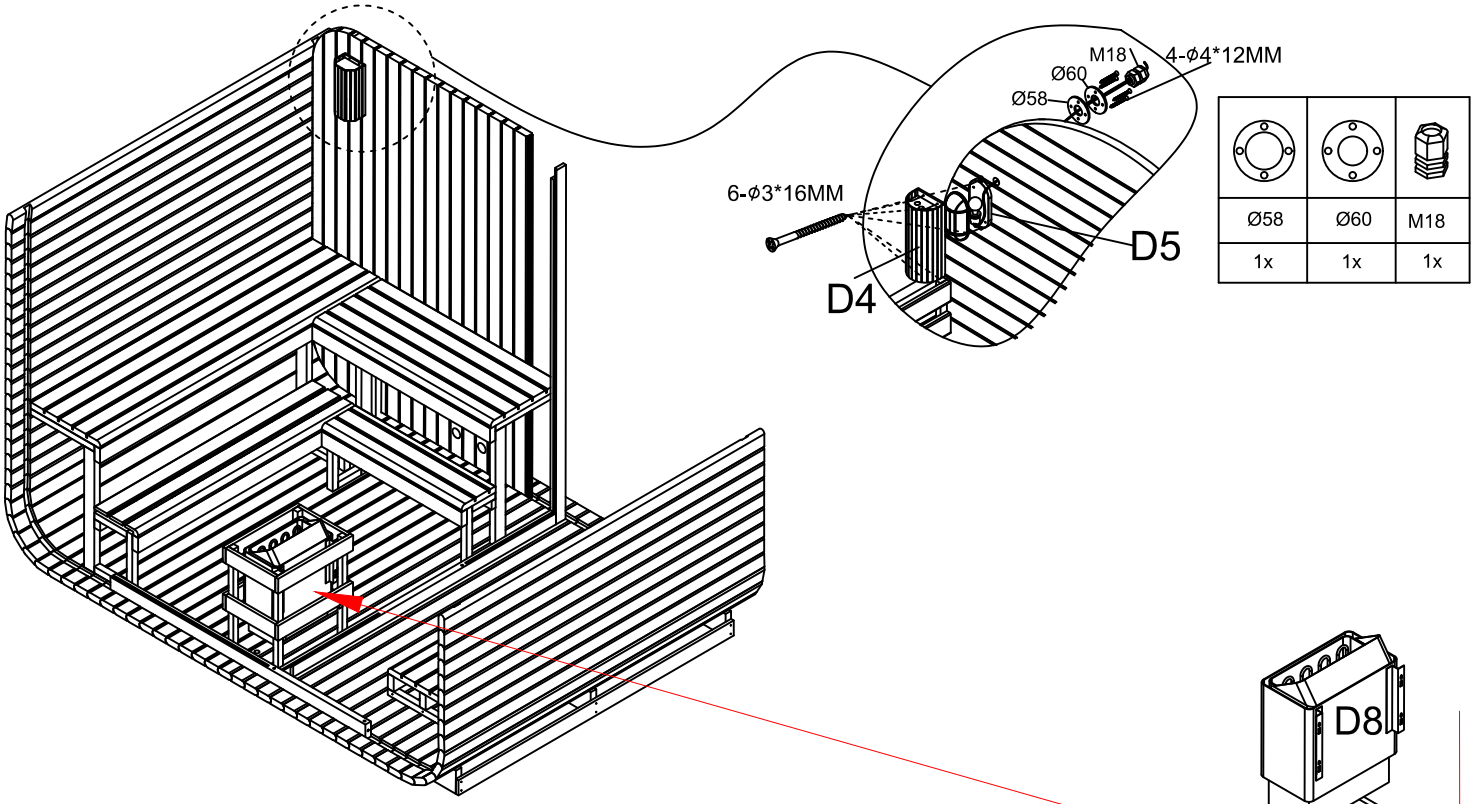


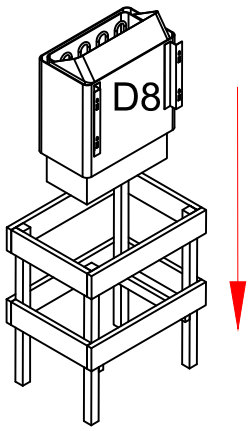


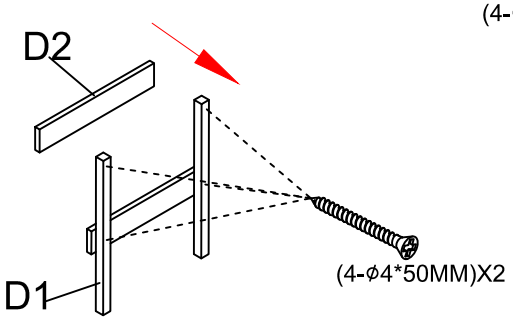


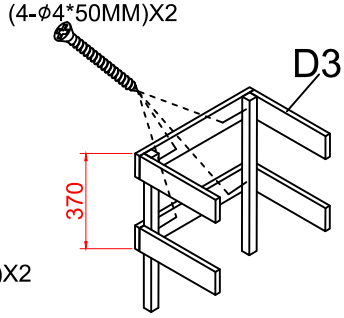
8-ø5*100MM

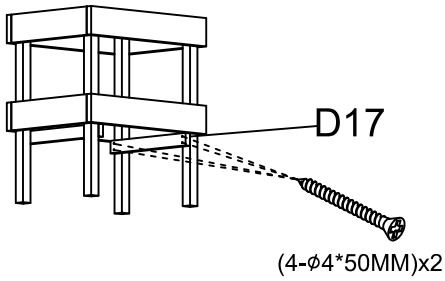

C2
C18
C7
C19
C16
(3-Ø4*60MM)x2

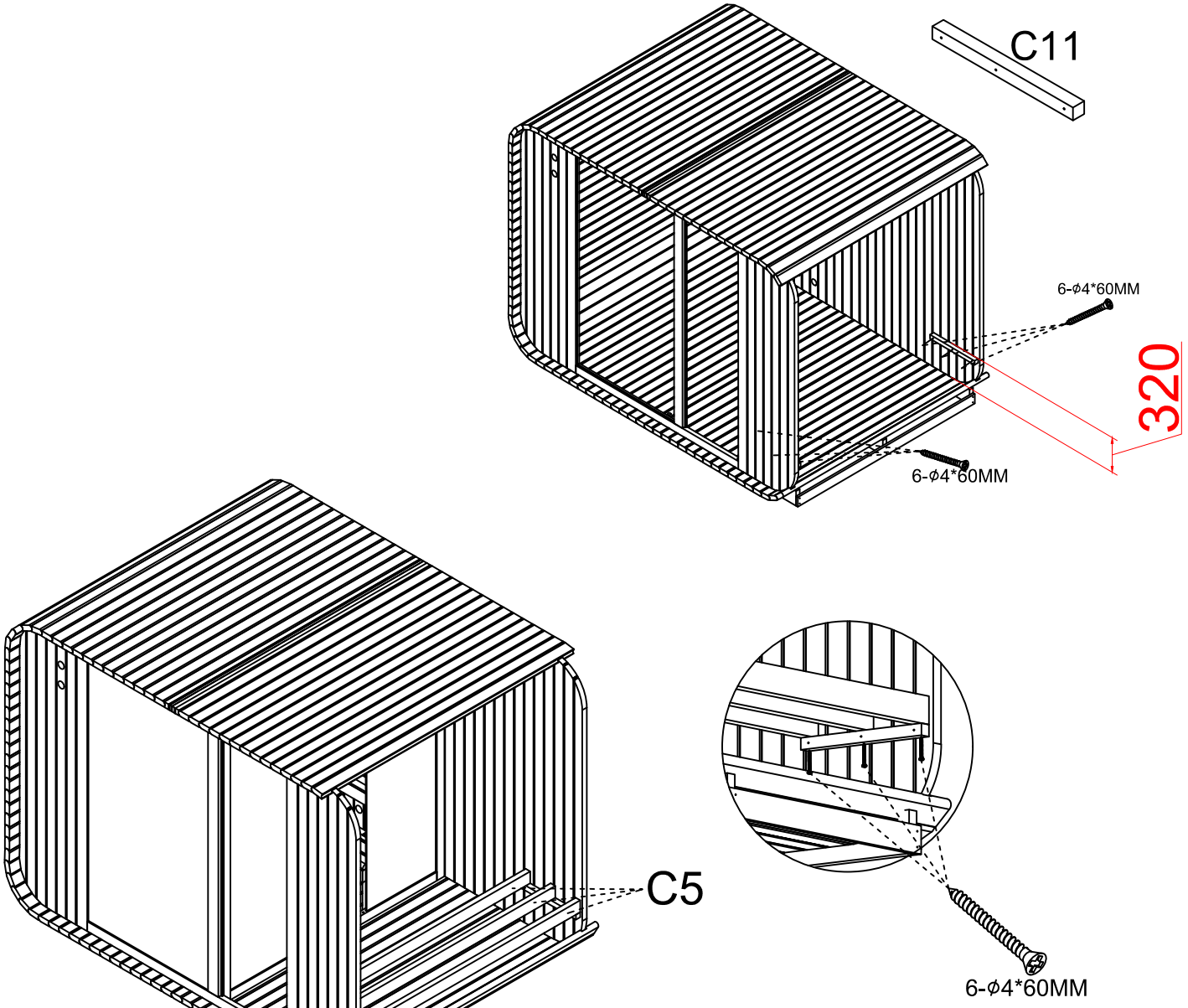

M18
Ø60
Ø58
4-ϕ4*12MM
6-ϕ3*16MM
D5
D4
Ø58
Ø60
M18
1x
1x
1x

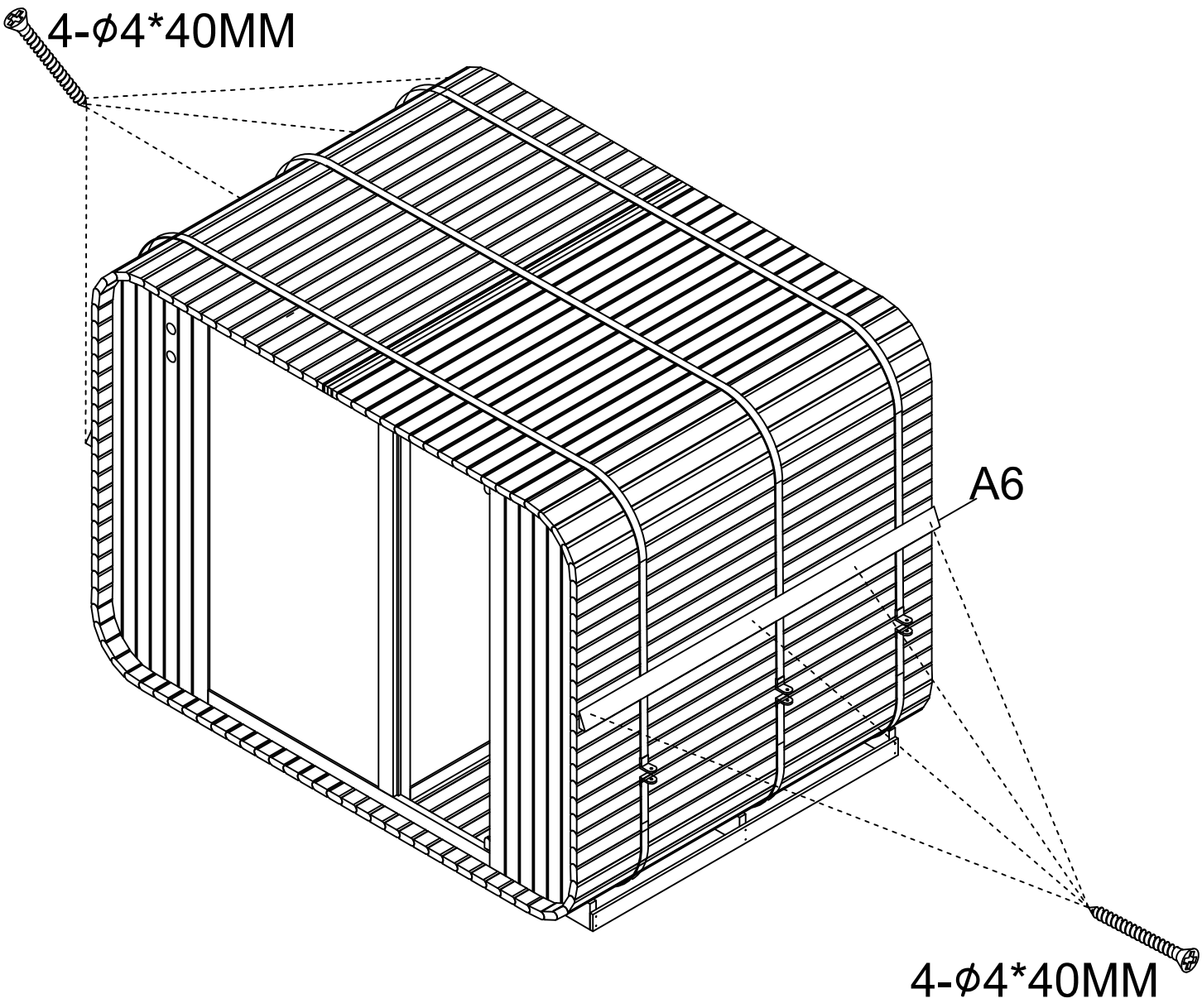

D8

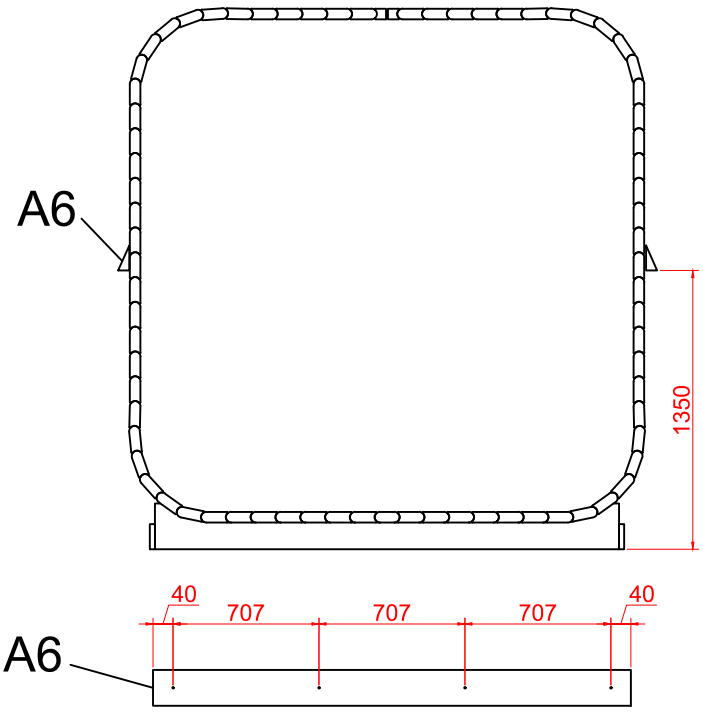

D2
D1
(4-ϕ4*50MM)X2


(4-ϕ4*50MM)X2
D3
370

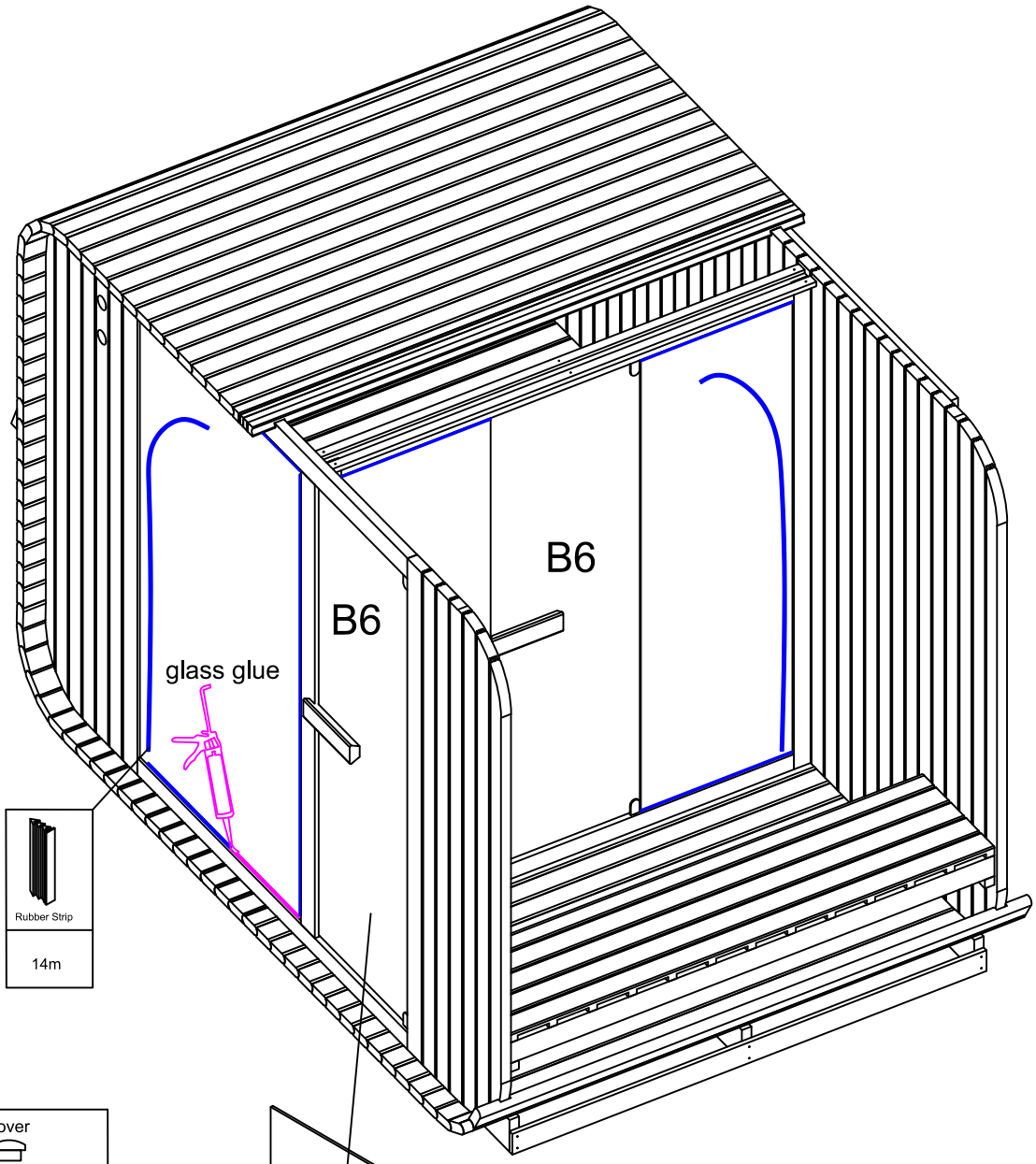

D17
(4-ϕ4*50MM)x2


C11
6-ϕ4*60MM
320
6-ϕ4*60MM
C5
6-ϕ4*60MM
C2

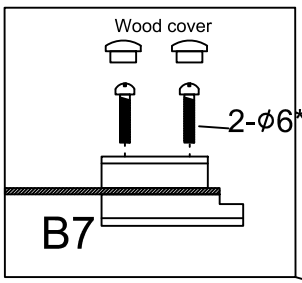

4-φ4*40MM
A6
4-φ4*40MM

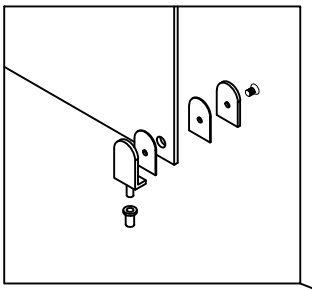

A6
1350

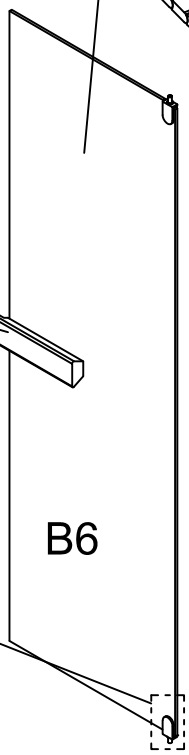
40
707
707
707
40
A6

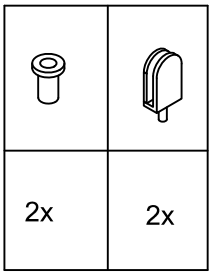

B6
B6
glass glue

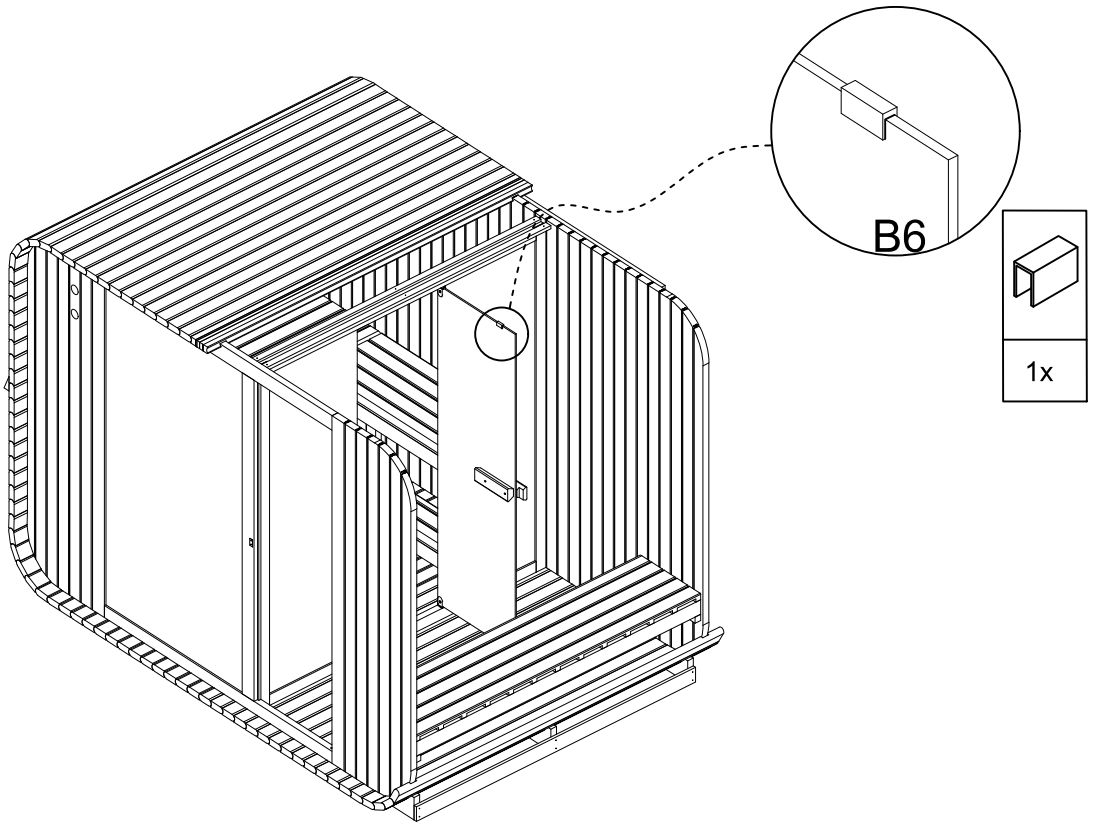
Rubber Strip
14m

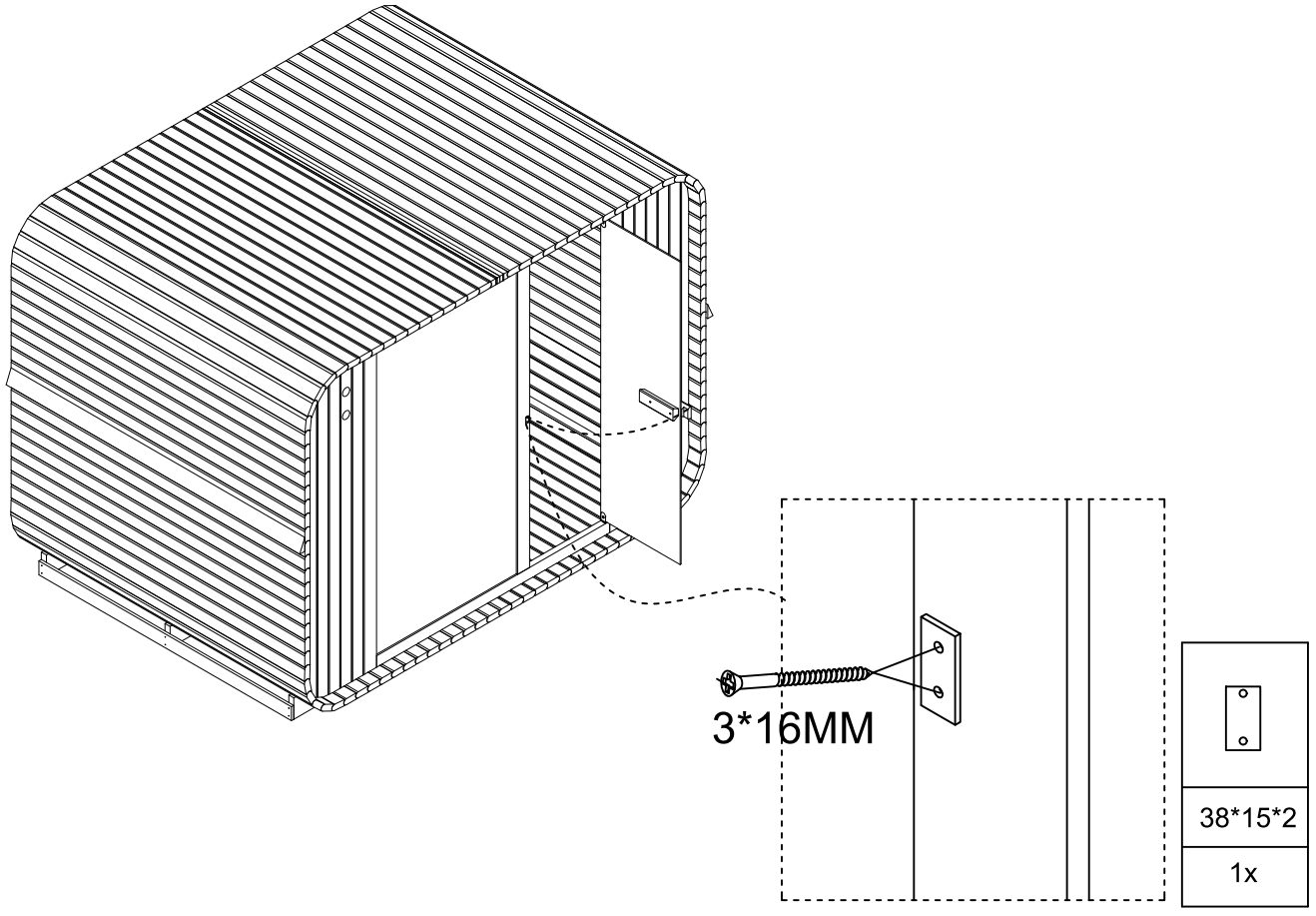

Wood cover
2-ϕ6*60MM
B7

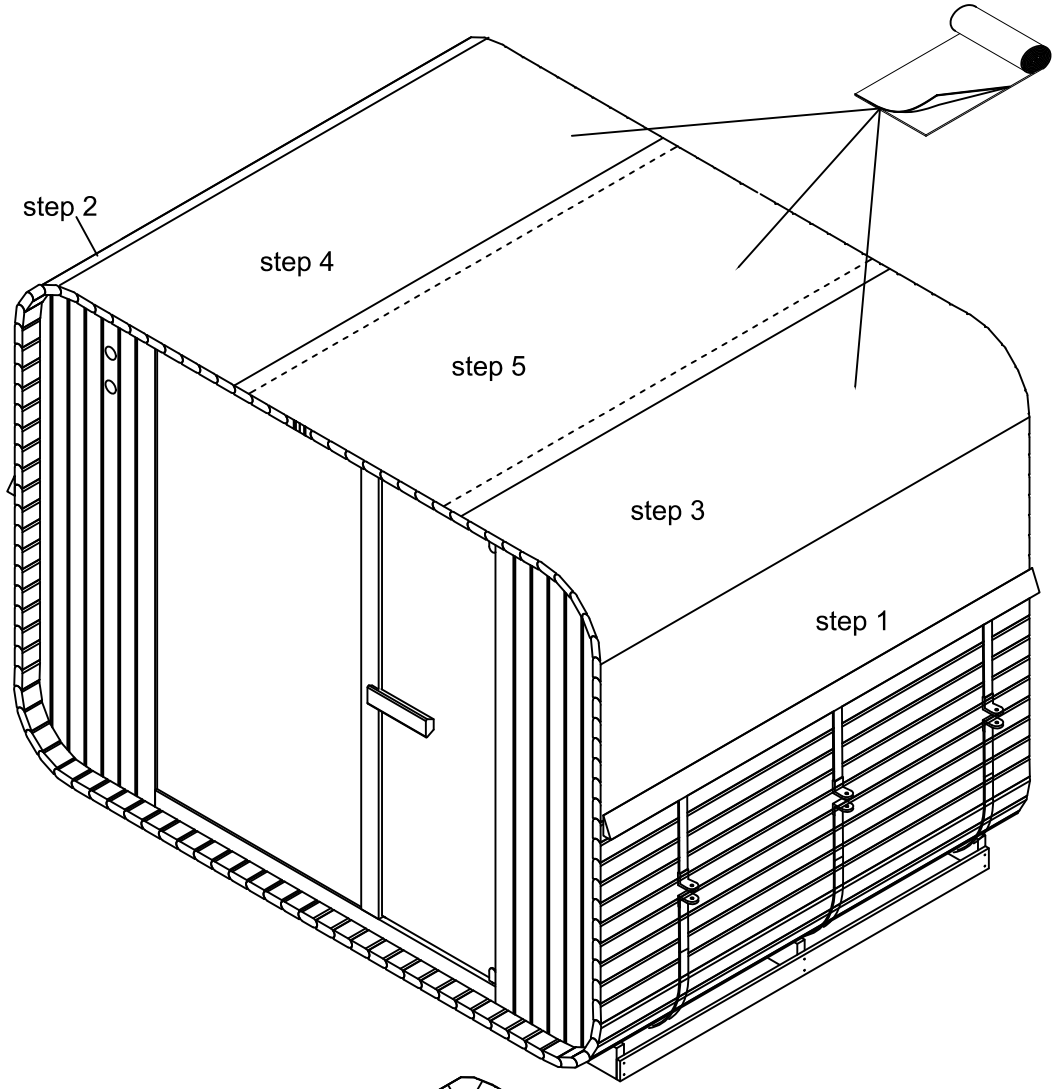


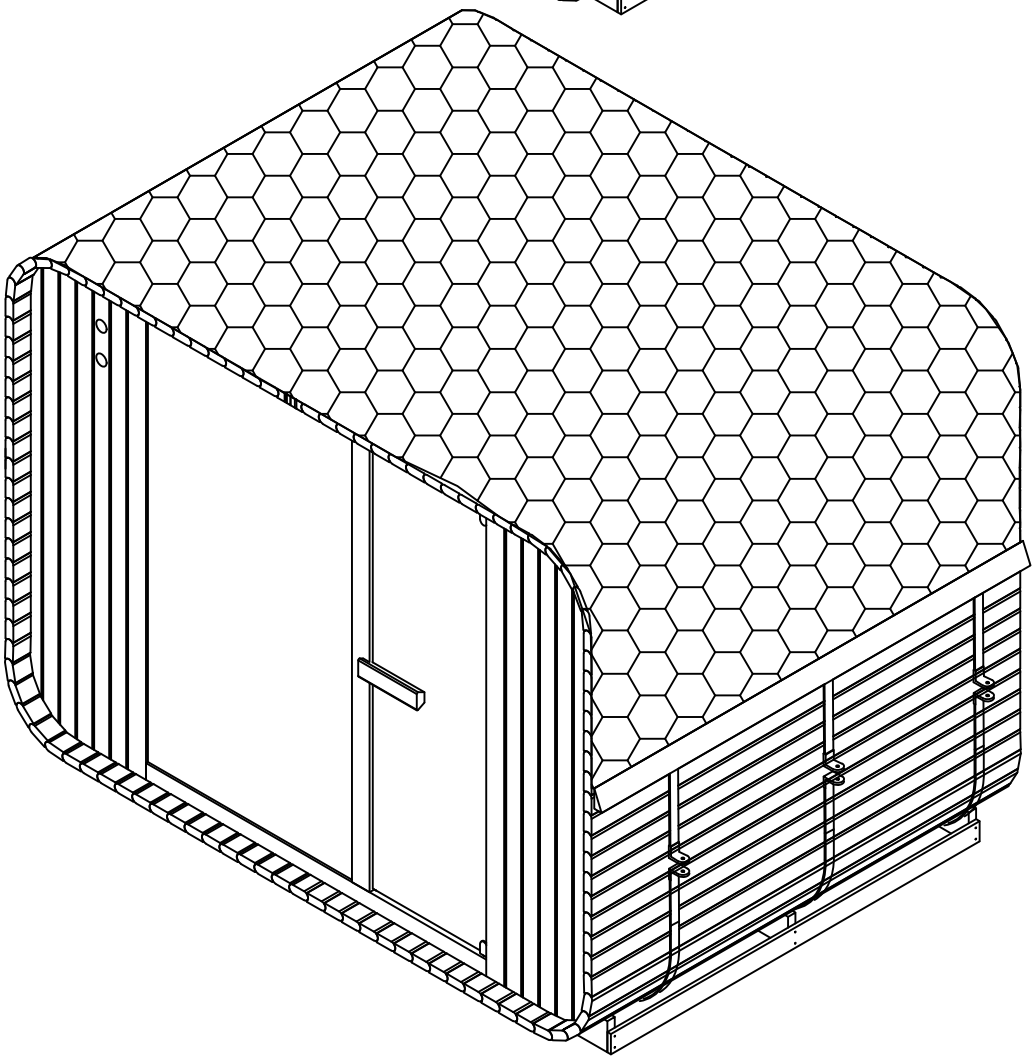

B6


2x
2x

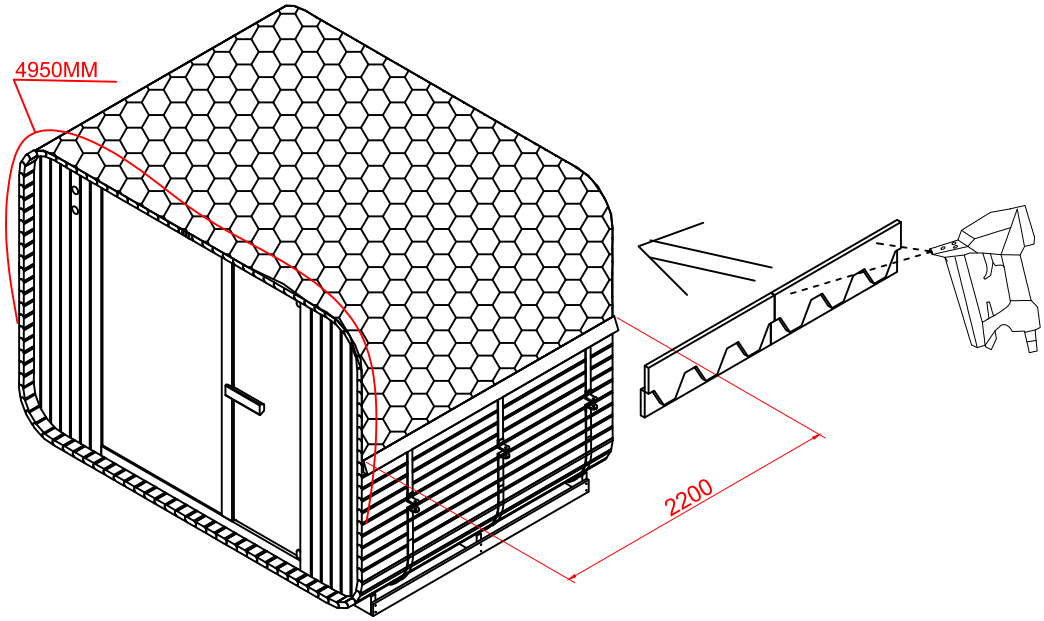

B6
1x

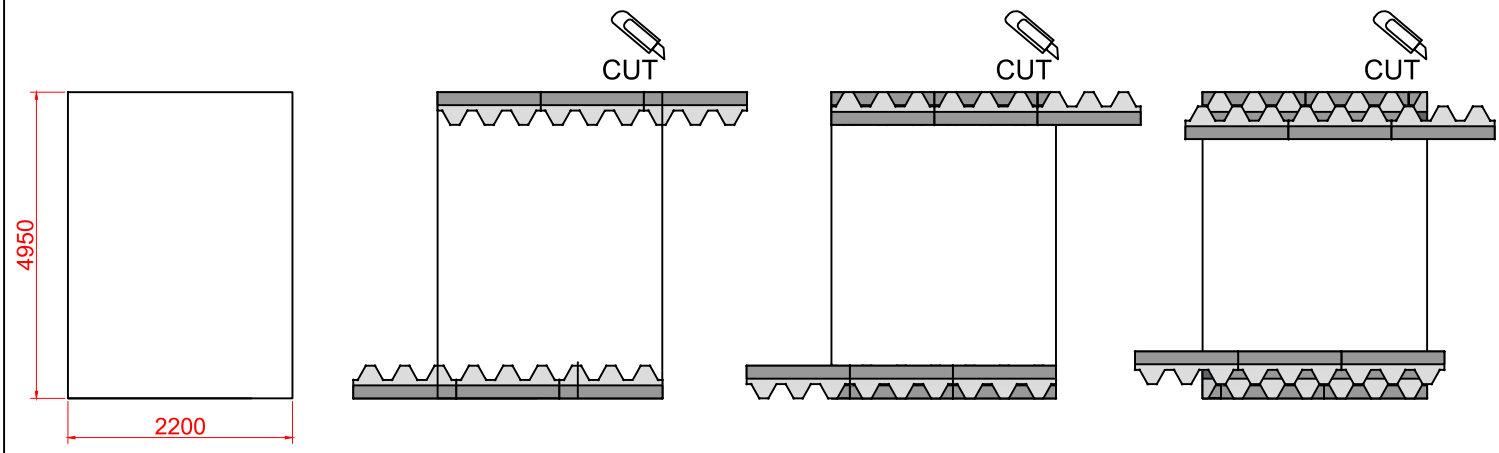

3*16MM
38*15*2
1x

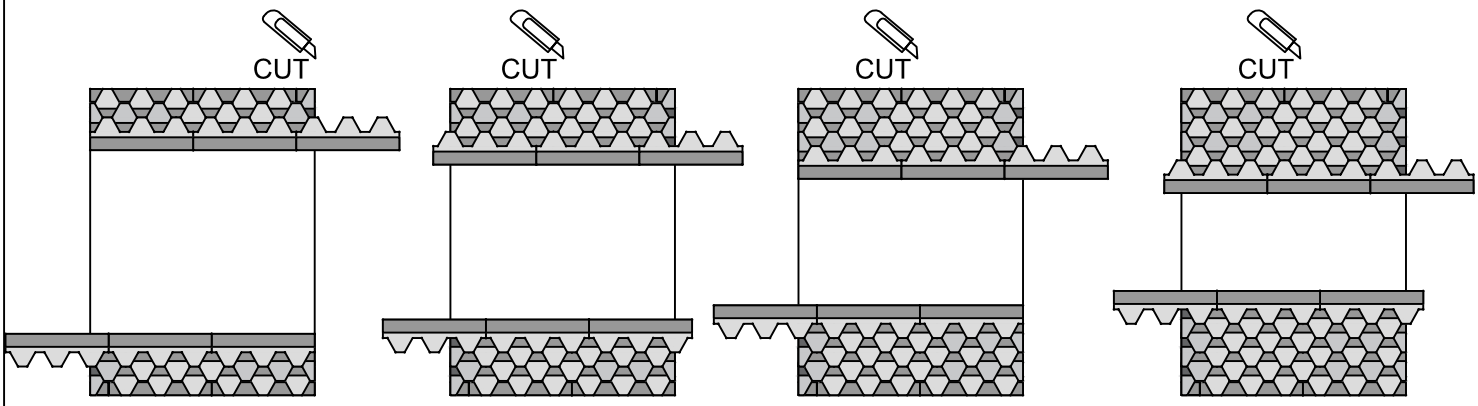

step 2
step 4
step 5
step 3
step 1

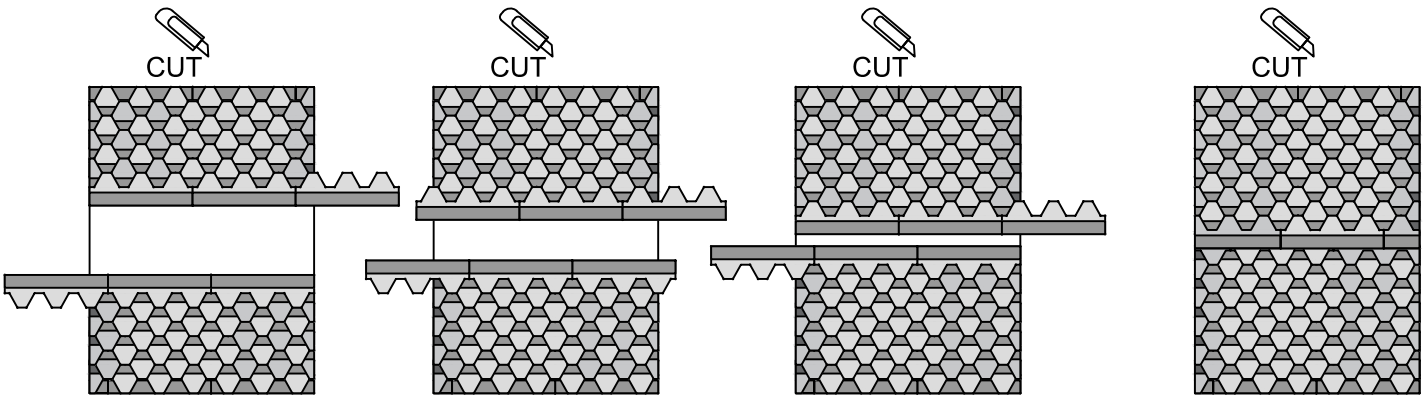


Assemble steps



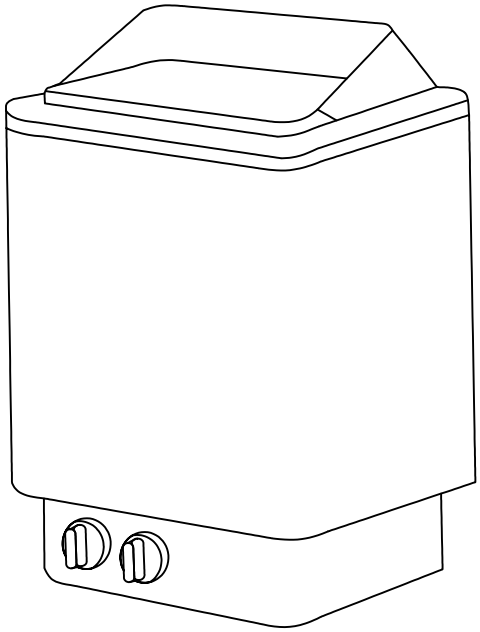






INSTALLATION MANUAL:FOR MODELS

SCA—30
SCA—45
SCA—60
SCA—80
SCA—90



SAUNA HEATER

Use ordinary drinking water only, other materials poured into the stone compartment may damage the heating elements, which is beyond our guarantee

WARNNING :
PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

SAUNA ROCKS

Load adequate sauna rocks (10-15kg) into the sauna heater after finishing the installation of sauna heater and controller.

ATTENTION:Sauna rocks must be of finest qualities because temperature inside sauna heater is extremely high. Rocks not be able to withstand heat and the great heat changes easily break or get crumbling and damage the heating elements, or are easily oxidized which in return counteract the heat circulation and damage the sauna heater while being heated or being thrown water to for vapors causes.

WARNING

1.Electrical shock hazard------there are no owner serviceable parts in sauna heater. To avoid electrical shock hazard, all installations and relevant services shall be performed by qualified personnel.

2.Sauna shall be less than half an hour. Bathing too long may cause heart beating too fast, light heartache, feeling weak or dizzy. Should the bather stop bathing immediately as soon as the above symptoms occur.

3.Sauna bath may cause tension to the bather. Thus, one who is one of the followings should be directed by physician:

A. Being pregnant B. Having heart disease C. Having high blood pressure D. Having circulation system disease E. After drinking

F. After taking medicine. G. Diabetes H. Not feeling well. 5. Risk of scald: Must not touch the sauna heater or trim during heating, as it is hot. Stay at least 30 cm away from the hot heater.

4.Children must be under the company of adult in taking sauna bath.

GUARANTEE

1. Control panel is under one year guarantee.
2. Main body of sauna heater is under one year guarantee.
3. The following situations are not guaranteed:

1) Installation or internal structure disassembling by unprofessional personnel
2) supply voltage fluctuation range ±10
3) unqualified rocks on sauna heater's compartment
4) installation without following the dimension instruction of manual

354SkSM 110A Power KW	Heating Elements 230V/240V				
	SEPC 62 1000W	SEPC 63 1500W	SEPC 64 2000W	SEPC 65 2670W	SEPC 63B 3000W
3.0	1, 2, 3				
4.5		1, 2, 3			
6.0			1, 2, 3		
8.0				1, 2, 3	
9.0				1	2, 3

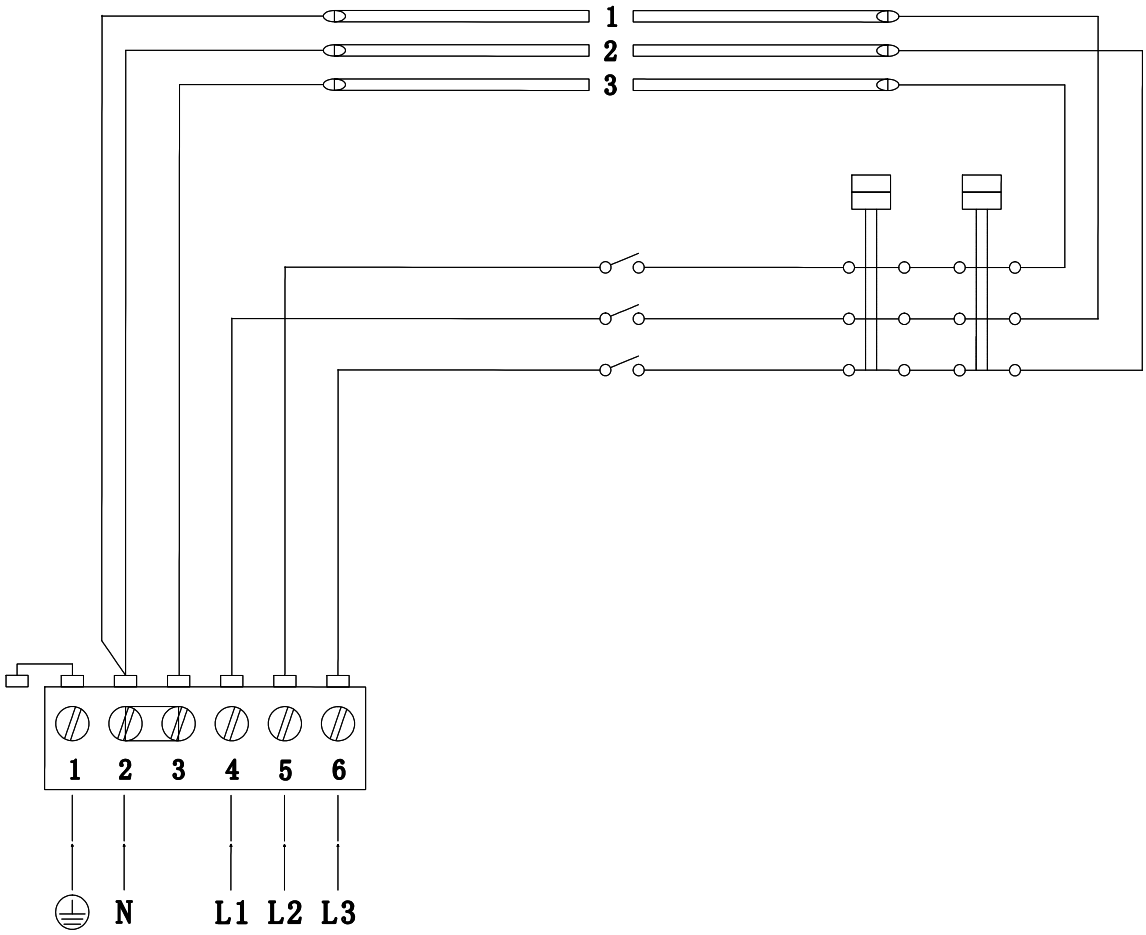
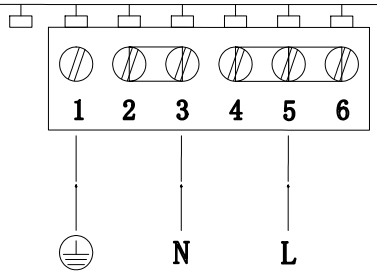


Figure 2

380V 3N~/415V 3N~



220V 1N~/240V 1N~ 4.5K/6.0mm²/3.0 2.5mm²

(1) L L1 L2 L3–Connection ports of live wire

(2) N----------Connection port of neuter wire

(3) ⏚ ----------Connection port of grounding wire

Figure 7

Installation

Install the sauna heater onto the wall with the screw provided in the heater,according to the minimumsafety distances and volumes indicated in table 1 and figure 1, or on the plate of the heater.

------The heater can be installed in the wall recess at the minimum height of 1900mm.

------Do not cover the wall behind the heater with materials like asbestos or eternit plates etc,because this sort of covering protection could cause too temperature and a risk of burn.

------Must use qualified materials for the walls and ceiling.

Guard Rails

Please follow the minimum distances requirements in figure 6 if guardrails are desired around the heater.

Connection of Electricity Supply Cable

Only the qualified electrician may conduct the electricity supply connections of the heater′ s cables taking into consideration of current,valid electrical safety regulations.The connecting cables of the mains supply to the heater must be of REVE rubber insulated cables or at least an equivalent(see the figure 2).There are connection ports in the junction box in sauna heater to connect the indicating lamps outside sauna (see connection ports of circuit diagram in figure 7). The section of the connecting cables is same as the one of the heater.The electricity connection box in sauna room must be of a hermetic,splashing proof type with a 7mm diameter condensation hole.The junction box should not be more than 500mm over the floor.

Sauna stones

Since the sauna stones may be dusty,we recommend that they should be rinsed begore being loaded into the heater container; the largest ones should be loaded at the bottom.Do not load the stones too tight so that air can easily move between the stones whereby a good even cooling can be got for the heating elements.Reload when stones broken or crumbling so that these stones can be got out of the heater before the heating elements get damaged.The diameter of the stones is usually of 3-8 cm.

Temperature Control

The thermostat can control the temperature in an ideal condition(figure3).Sauna heater can reach o a preset temperature in 30 to 60 minutes depending on the size of sauna room Thermostat of three phases electricity can fulfill the preservation of a good even comfortable temperature in sauna room.

Power Switch

The power switch is the main power switch of sauna heaterwhich should be switched off while leaving sauna.

Ventilation

Good ventilation is a must for the sauna,and correctly installed ventilation creates agreeable bathing conditions,but yet still save energy.For the ventilation to be successful it is important where the ventilation openings are suited.The fresh air intake should be better situated on the wall near the bottom of the sauna heater.The diameter of air inlet must be at least 6 cm.

The exhaust opening should be better situated on the wall opposite to and as for as possible from the air intake.The diameter of the exhaust opening must be twice the size of the intake.

The exhaust opening must be situated under the botom of the upper benches.

Noted: the upper screws must be fastened tight, the minimum distances between screw head and wall must be 3mm.

Figure 1A

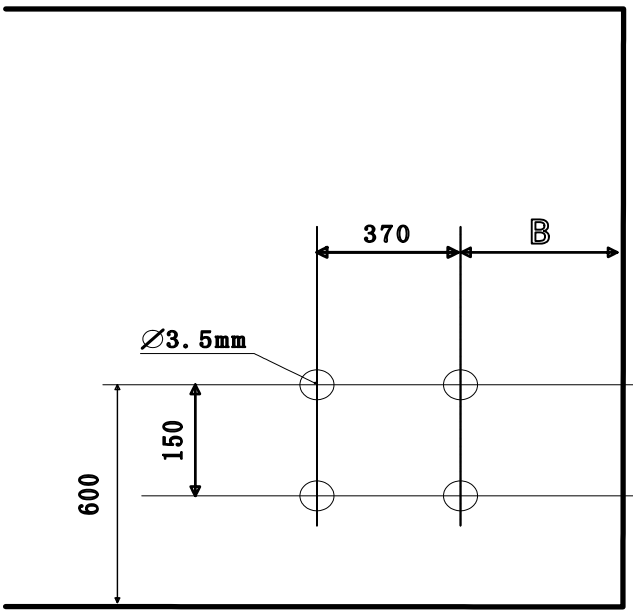


Figure 1B

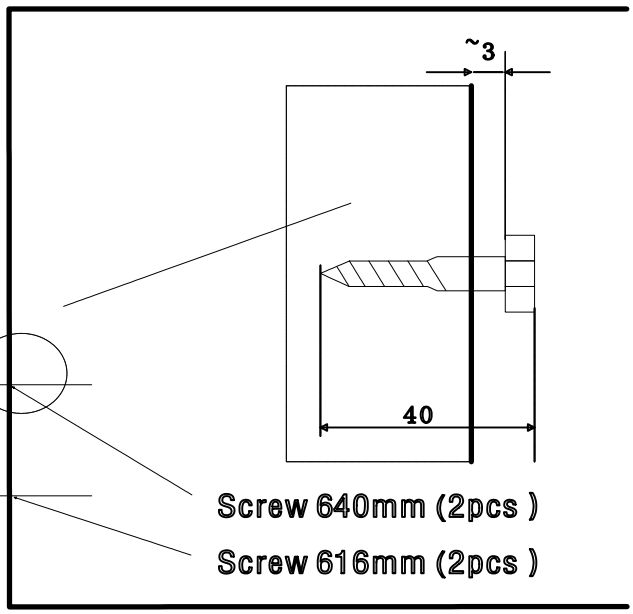


Figure 1C

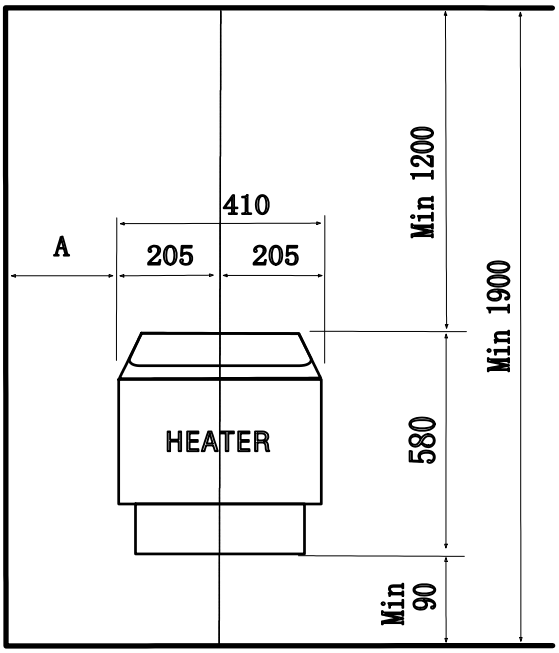


Figure 1D

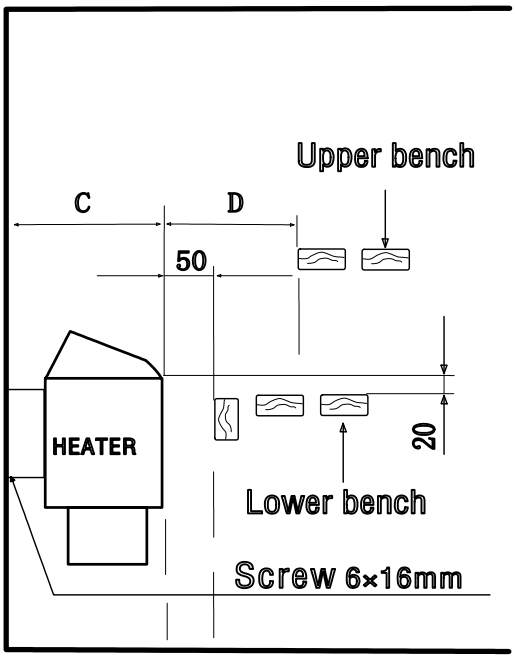


Figure 3

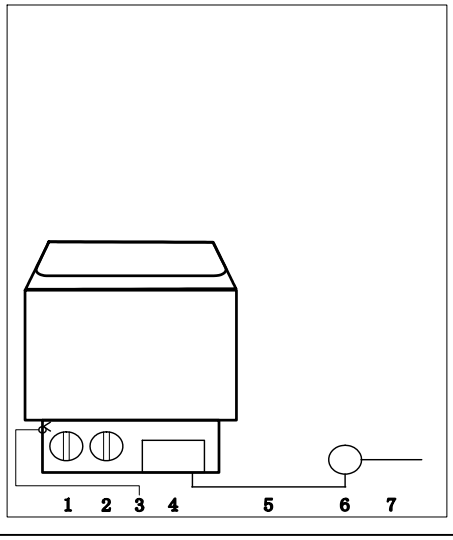


Table 1

HEATER	Distance (mm)		
	A	C	D
SCA-30	50	280	80
SCA-45	80	280	100
SCA-60	100	280	150
SCA-80	130	300	200
SCA-90	130	300	200

1、**Power switch**
2、**Thermostat**
3、Temperature limit reposition
4、**Junction box**
5、**Electricity supply cable**
6、**Electricity connection box**
7、**Connecting cable**

Figure 4

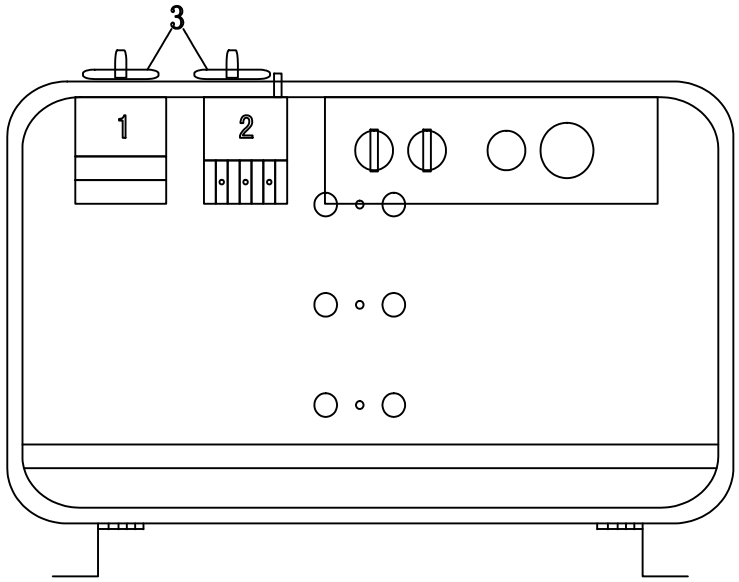


Figure 5

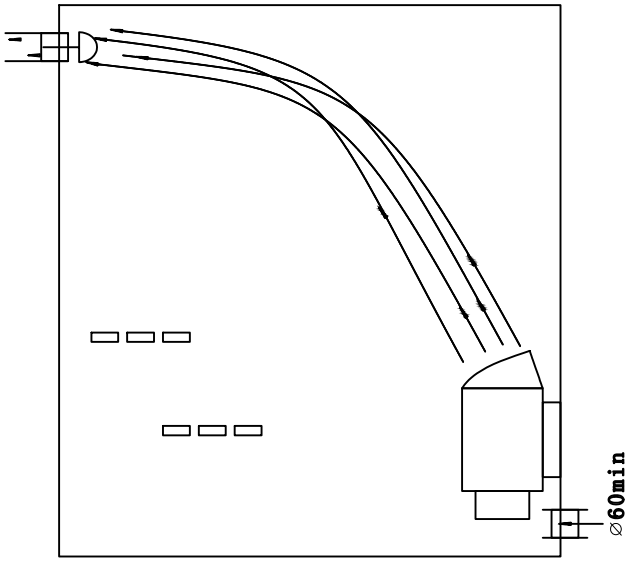


Figure 6

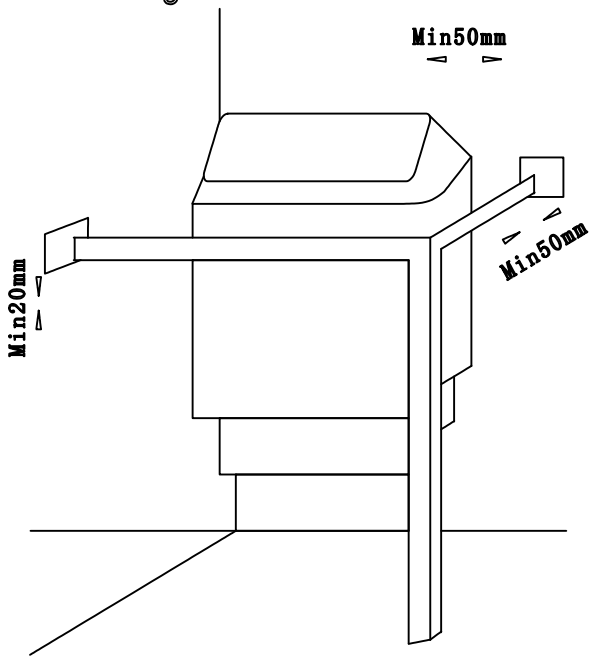


Table 2

Model	Power	Sauna Room			Minimum Distance From Heater to				Cables to	
	KW	Volume m³ Min	Volume m³ Max	Height min. cm	Side & Back wall min. cm	If 500mm over from floor guard rail min cm	Ceiling min cm	Floor min. cm	380V 3ph 415V 3ph mm²	220V 1ph 240V 1ph mm²
SCA-30	3.0	2	4	190	5	5	110	18	5X1.5	3X2.5
SCA-45	4.5	3	6	190	8	8	110	18	5X1.5	6X6
SCA-60	6.0	5	9	190	10	15	110	18	5X1.5	3X10
SCA-80	8.0	8	12	190	13	20	110	18	5X2.5	3X10
SCA-90	9.0	9	13	190	13	20	110	18	5X2.5	

SERVICE

Use instructions

Drink plenty of liquids before and after use sauna.

Dry yourself off completely.

The optimal cabin temperature for a pleasant session lies between 35 and 60℃.

After a heating period of an hour at the latest, the cabin should be switched off and a heating brake of at least 30 minutes should be taken.

Maintenance instructions

Clean the cabin with a damp cotton towel, dry with a clean dry towel.

Clean the glass with a window/glass cleaner and a soft cloth.

For cleaning purposes, use a cleaning

cloth that has been only slightly moistened with a mild soapy solvent (dish detergent).

Do not use chemical detergents to clean the cabin.

Please fasten the screws of the bench once every three months, avoid the loose or drop off.

It is recommended to take a warm shower and relax after use.

Notes:

_____

_____

_____

_____

_____