PATIO L PLUS THERMO SAUNA



INSTALLATION MANUAL

V191124

Instructions

1. It is recommended to install the sauna above ground level to prevent the base frame from coming into direct contact with the ground. Use a water-resistant material, such as bitumen strips, between the base frame and the base surface for added protection.

2. Ensure that the surface on which you install the sauna is level and stable both before and after installation. Otherwise, the sauna doors may not open and close properly later on.

3. During the first heating of the sauna, it must be closely supervised, and the doors should remain open, as the stove may emit a specific odor when heated for the first time. For more information, please refer to the user manual for the sauna stove.

4. The maximum permitted temperature in the steam room is +90 °C. Heating the sauna to a higher temperature may result in overheating.

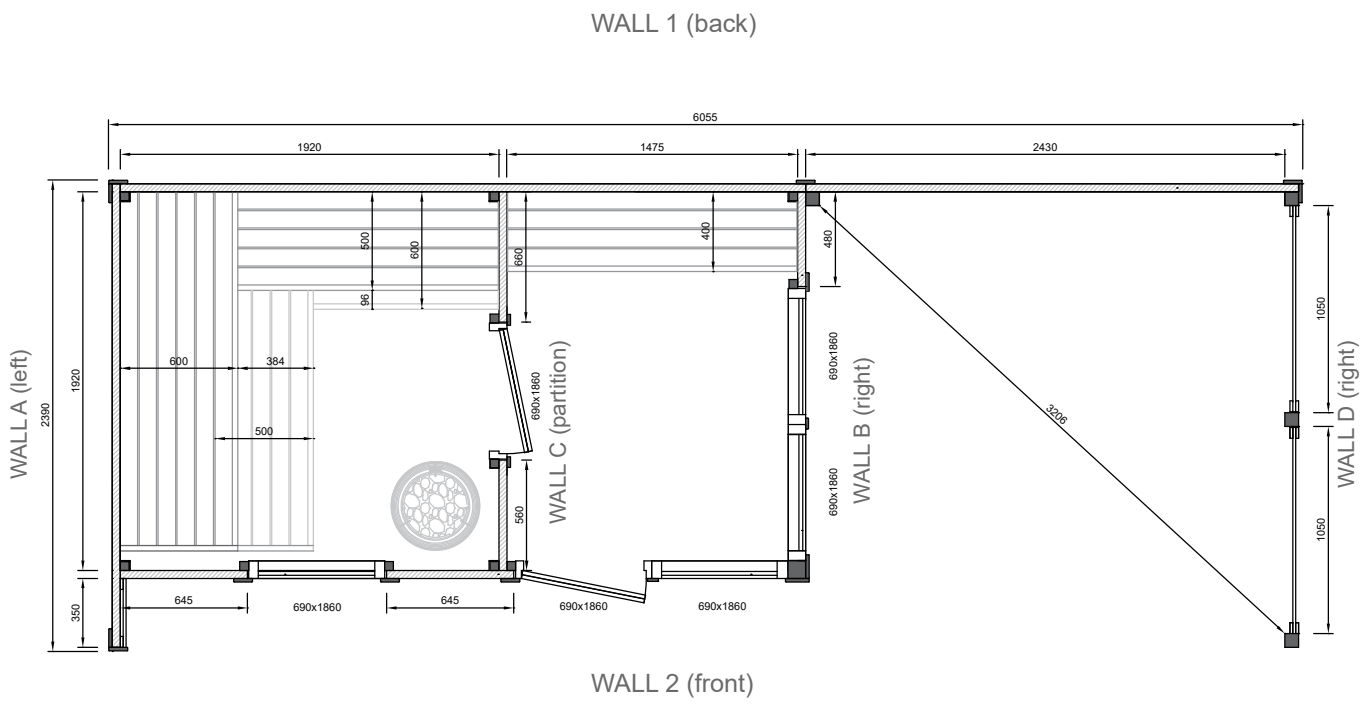
5. To prevent damage from the weight of snow in winter, any snow should be removed from the roof of the sauna. Be careful not to damage the roof covering during the snow removal process.

6. If your sauna has lighting, install a 3G 2.5 mm outdoor power cable and connect it according to the schematics provided with the plug socket coupler. The sauna's power cable must be connected to a residual-current circuit breaker. If you have any questions, consult an electrician.

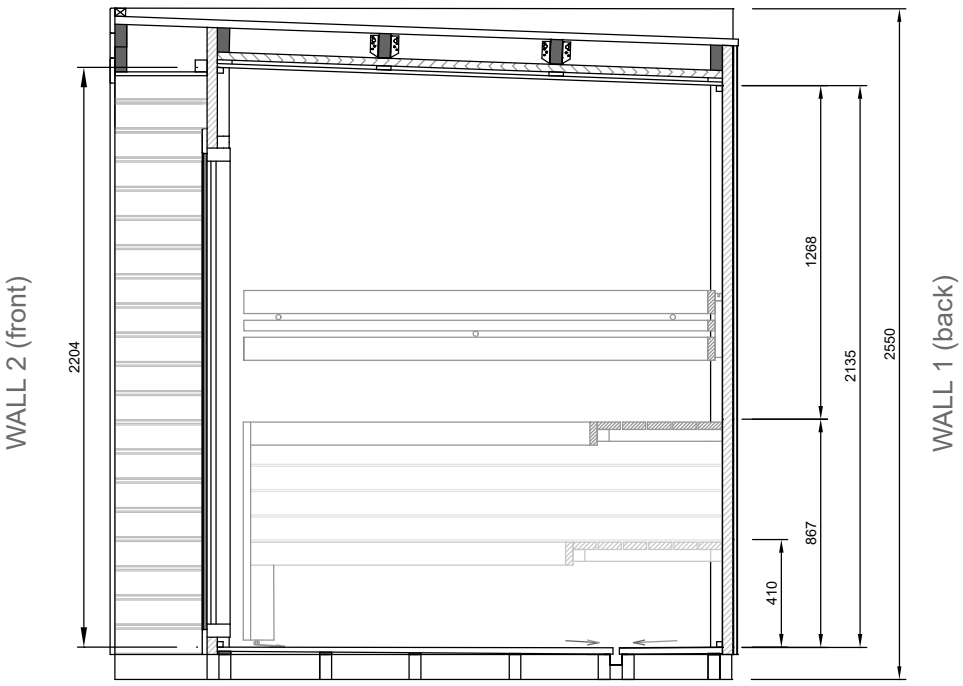
Required tools

 Tape measure	 Cutting knife	 Respirator
 Pencil	 Battery drill	 Scissors
 Level	 Nail gun	 Tin shears
 Rubber mallet	 Circular saw	 Pliers
 Hammer	 Gloves	 Hole saw Ø 100 mm
 Hand saw	 Safety goggles	 Jigsaw
 Silicone gun	 Foam gun	 Wood drill bit Ø 14 mm

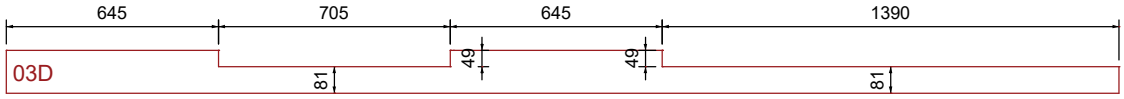
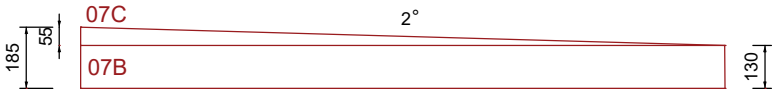
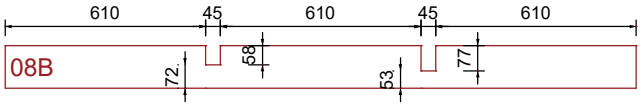
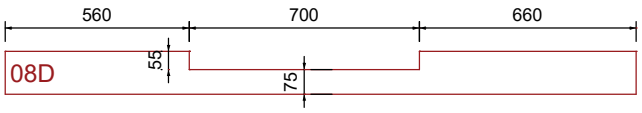
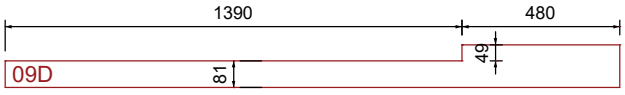
Floor plan



Cross section



DETAILS LIST - Wall Logs:

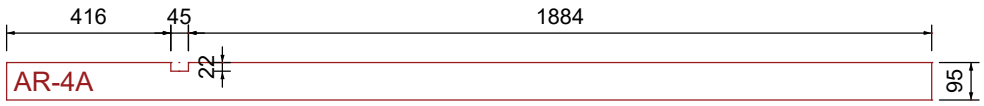
Marking	Detail	Image	Note	Length	Pcs.
01	40x138 Wall Log Thermo			3475	17
EXTRA	40x138 Wall Log Thermo			3475	3
01B	40x130 Wall Log Thermo		*Height: 130 mm*	3475	1
02	40x138 Wall Log Thermo			3435	3
02C	40x55 Wall Log Thermo		*Height: 55 mm*	3435	1
03D	40x138 Wall Log Thermo		*Cutout!*	3385	1
					
01F	40x30 Roof Block			2967	2
04	40x138 Wall Log Thermo			2500	17
04B	40x130 Wall Log Thermo		*Height: 130 mm*	2500	1
05	40x138 Wall Log Thermo			2350	18
05B	40x115 Wall Log Thermo		*Height: 115 mm*	2350	2
06	40x138 Wall Log Thermo			2310	1
07	40x138 Wall Log Thermo			1960	2
07B + 07C	40x185 Wall Log Thermo		*Wedge shaped*	1960	1
					
08	40x138 Wall Log Thermo			1920	2
08B	40x130 Wall Log Thermo		*Cutout!*	1920	1
					
08D	40x138 Wall Log Thermo		*Cutout!*	1920	1
					
09D	40x138 Wall Log Thermo		*Cutout!*	1920	1
					
10	40x138 Wall Log Thermo			660	14
11	40x138 Wall Log Thermo			645	28
12	40x138 Wall Log Thermo			560	14
13	40x138 Wall Log Thermo			480	14
EXTRA	40x138 Wall Log Thermo			480	4
	Hitting Block				2

DETAILS LIST - Grid Walls:

Marking	Detail	Image	Note	Length	Pcs.
VS-1	Grid Wall 1047 mm			2125	2

Base Frame:

AR-1	45x95 Base Frame			3460	2
AR-2	45x95 Base Frame			3415	2
AR-3	45x95 Base Frame			2505	1
AR-4A	45x95 Base Frame		*Cutout!*	2345	1



AR-5	45x95 Base Frame			1900	6
AR-6	45x95 Base Frame			1810	1
AR-7	45x95 Base Frame			1470	4
VR-1	Drainage detail			1965	1

Floor and roof boards:

KL-1	24x120 Roof Board			2370	54+2
PL-1	24x120 Floor Board			1910	14+2
PL-2	24x120 Floor Board			1495	18+2
PL-3	24x120 Floor Board			385	18+2

Posts and beams:

P-0	90x90 Corner Post		*Cut to length*	2430	1
P-3	70x70 Support Post		*Cutout!*	2340	2
P-4	70x70 Support Post		*Cutout!*	2305	1
P-5	70x70 Support Post		*Cutout!*	2340	1
T-1	45x145 Ceiling Beam			2415	3
T-2	45x95 Roof Beam			3500	2
T-3	45x95 Ceiling Beam			3433	2
T-4	45x95 Ceiling Beam			2435	1
T-5	45x95 Ceiling Beam			2405	1
T-6	45x95 Ceiling Beam			2355	1
T-7	45x95 Ceiling Beam			2195	1
T-7A	45x95 Ceiling Beam		*Wedge shaped*	2195	1
T-8	45x95 Ceiling Beam			1825	2
T-9	45x95 Ceiling Beam			1420	2
T-10	45x45 Ceiling Beam			3475	1
P-1	45x45 Corner Post			2340	2
P-2	45x45 Corner Post			2285	3
UR-1	45x45 Door/ Window Frame			1950	4
AT-1	45x45 Temporary Support		for corner post installation	~1800	10
UR-2	45x45 Door/ Window Frame			1380	4
UR-3	45x45 Window Frame			690	2

Lining Boards:

STP-1	15x90 Ceiling Board		*Thermo spruce*	1915	43+2
STP-2	14x121 Outer Lining Board			2310	23+2
STP-3	14x121 Outer Lining Board			350	51+2

DETAILS LIST - Slope Veneers:

Marking	Detail	Image	Note	Length	Pcs.
DI-6	9 mm Shelter Ceiling			2410	3
DI-7	12 mm Shelter Ceiling			2410	1
	3 mm Floor slope veneer			1900	2
	6 mm Floor slope veneer			1900	1
	9 mm Floor slope veneer			1900	1
	12 mm Floor slope veneer			1900	1

Slats and Moldings:

L-0	18x120 Corner Post Molding		*Cut to length!*	2240	2
L-1	18x95 Roof Molding		*Cut to length!*	~3500	3
EXTRA	18x95 Roof Molding		*Cut to length!*	~3500	1
L-2	18x95 Roof Molding		*Cut to length!*	~2650	3
L-3	18x95 Corner Molding		*Cut to length!*	~2500	2
L-4	18x95 Roof Molding		*Cut to length!*	~2400	7
UL-1	18x95 Door Molding			1925	4
UL-2	18x95 Door Molding			1478	1
UL-3	18x95 Door Molding			1460	1
UL-4	18x95 Door Molding			1358	1
UL-5	18x95 Door Molding			1340	1
UL-6	18x95 Door Molding			910	1
UL-7	18x95 Door Molding			670	1
LED-1	15x55 Distance Slat		*for LED under sauna benches*	2400	3
DI-1	15x55 Distance Board for Outer Lining			2250	2
SL-1	15x55 Interior Door Molding			1955	2
DI-2	15x55 Ceiling Distance Board			1915	2
UL-8	15x55 Exterior Door Molding			1830	2
DI-3	15x55 Ceiling Distance Board			1820	2
DI-4	15x55 Ceiling Distance Board			1470	2
VL-1	15x55 Window Molding			1425	2
DI-5	15x55 Ceiling Distance Board			1420	2
SL-2	15x55 Interior Door Molding			670	2
DI-00	21x21 Ceiling and Floor Molding		*Cut to length!*	~2100	14
DI-0	50X50 Corner Post Molding		*Cut to length!*	~2400	5+1

Insulation, Finishing, Tapes:

	SPU Insulation Panel 30x600x1200				10
	Foil Tape		for SPU insulation panels	10 m	3
	Moisture safety tape		for all outside corners	10 m	1
	Transparent silicone		for all outside corners		9
	Gunfoam		for door and window insulation		1
	Black Paint		for paint repair	0,9 L	2

Doors and Windows:

U-1	Glass Door 88x690x1860		+ door handle		1
U-2	Glass Door 88x690x1860		+ door handle		1
A-1	Window 88x690x1860				4
	Wooden Cover Caps				48

DETAILS LIST - Mounting Accessories:

Marking	Detail	Image	Note	Length	Pcs.
	Joist Hanger 45x137		for fixing 45x145 beams		6
	Joist Hanger 45x95		for fixing 45x95 beams		4
	Adjustable post support		for P-3 & P-4 support posts		3
	Corner Bracket 90x90x90		*for T-1 and T-3 beams*		4
	Plastic wedge 90x32x15		for supporting T-2 beams if necessary		4

Mounting Accessories:

	Screw 6x180		*for wall logs*		300
	Screw 5x90		*for base frame*		70
	Screw 5x40		*for joist hangers*		84
	Screw 4.5x70				800
	Screw 3.5x50		*for floor boards*		250
	Screw 3x40	black	*for black moldings*		400
	Nail 70 mm		*for roof boards*		500
	Lost-head nail 40 mm		*for STP-1 ceiling boards*		650
	Ventilation Valve Ø100		*wood*		1
	Ventilation Grid Ø100		*metal*		7

Roof Covering:

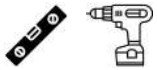
	EPDM Rubber Roof Cover 6.3x3.05 m				1
	EPDM Glue		2.5 l		2
	EPDM Quickprime		125 ml		1
	Splice Tape		for back wall metal drip edge	6 m	1
	Paint roller + Handle + Sanding pad				1
	Metal Drip Edge		for back wall *Cut to length!*	2050 mm	3
	Metal roofing sheet		for front wall. *Cut to length!*	2100 mm	3
	Metal roofing sheet		for side walls. *Cut to length!*	2750 mm	2
	Black Roofing Screw 4.8x25		for side walls metal roofing sheets		50
	Black Wronic Screw 4.2x25		for back wall metal drip edge		30

Sauna Benches - Standard Set:

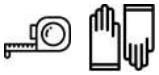
	Bench Module 600 mm		*Top bench*	1793	1
	Bench Module 500 mm		*Bottom bench*	1793	1
	Bench Module 500 mm		*Top L- bench*	1320	1
	Bench Module 600 mm		*Bottom L- bench*	937	1
	Bench Module 400 mm		*Anteroom bench*	1467	1
	Bench Skirt			1793	1
	Bench Horizontal Support Set 45x45				1
	Bench Side Frame		*Includes 3 adjustable legs*		1
	Extra Vertical Support		*Includes 1 adjustable legs*		1
	Backrest 1		**Only if ordered additionally*	1810	1
	Backrest 2		**Only if ordered additionally*	1764	1

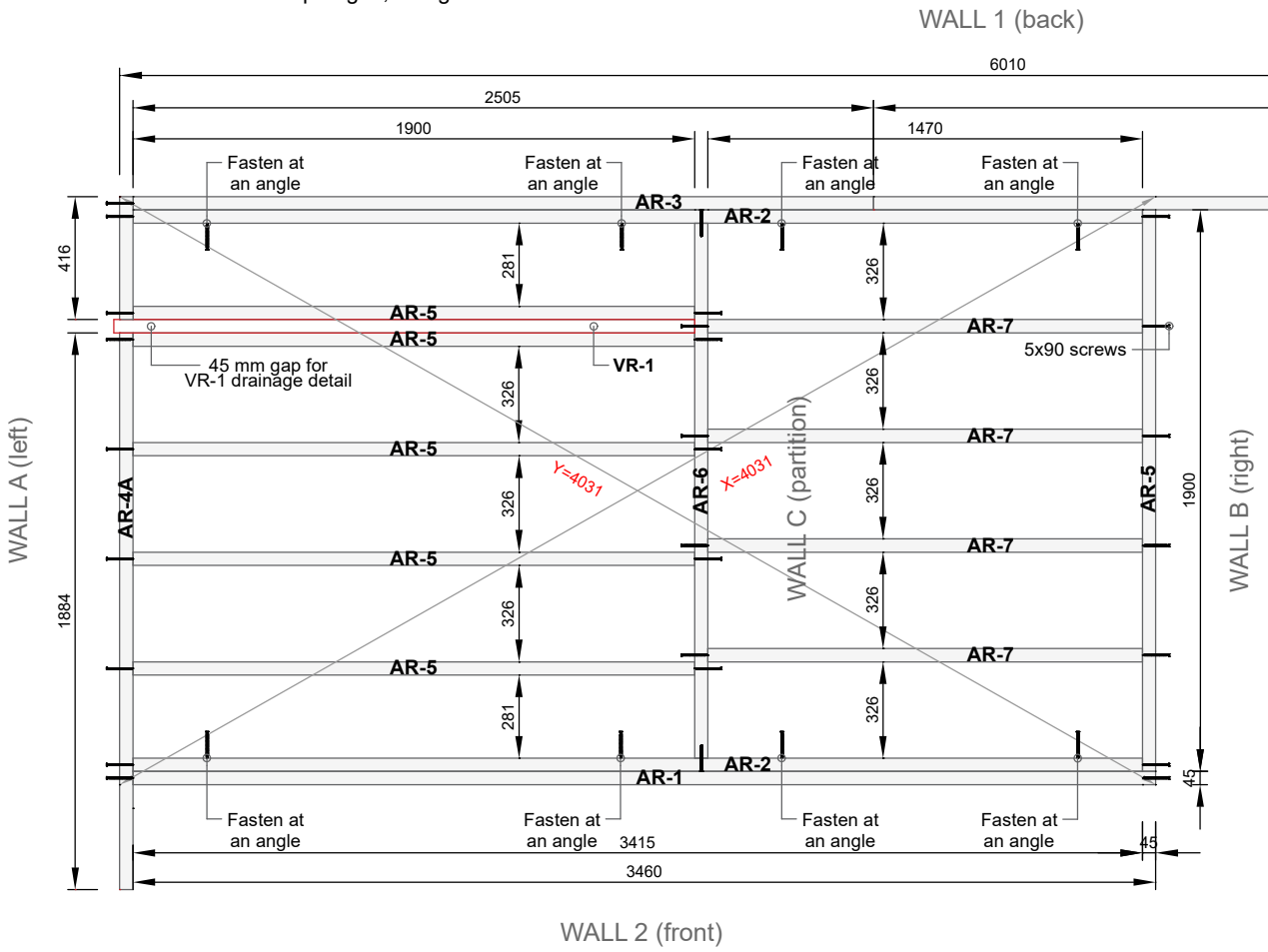
STEP 1 - Base frame

1.1 Connect the base frame details according to Scheme 1.1.
Make sure that the frame is level and that the diagonals are equal (X = Y). Leave a 45 mm gap between two AR-5 base frame details so that the water drainage detail VR-1 can be fitted between them. Use a level, a battery drill, and 5x90 screws to join the base frame together.



1.2 Place the VR-1 drainage detail on top of the base frame. No fixings are needed.
Caution! The detail has sharp edges; use gloves.



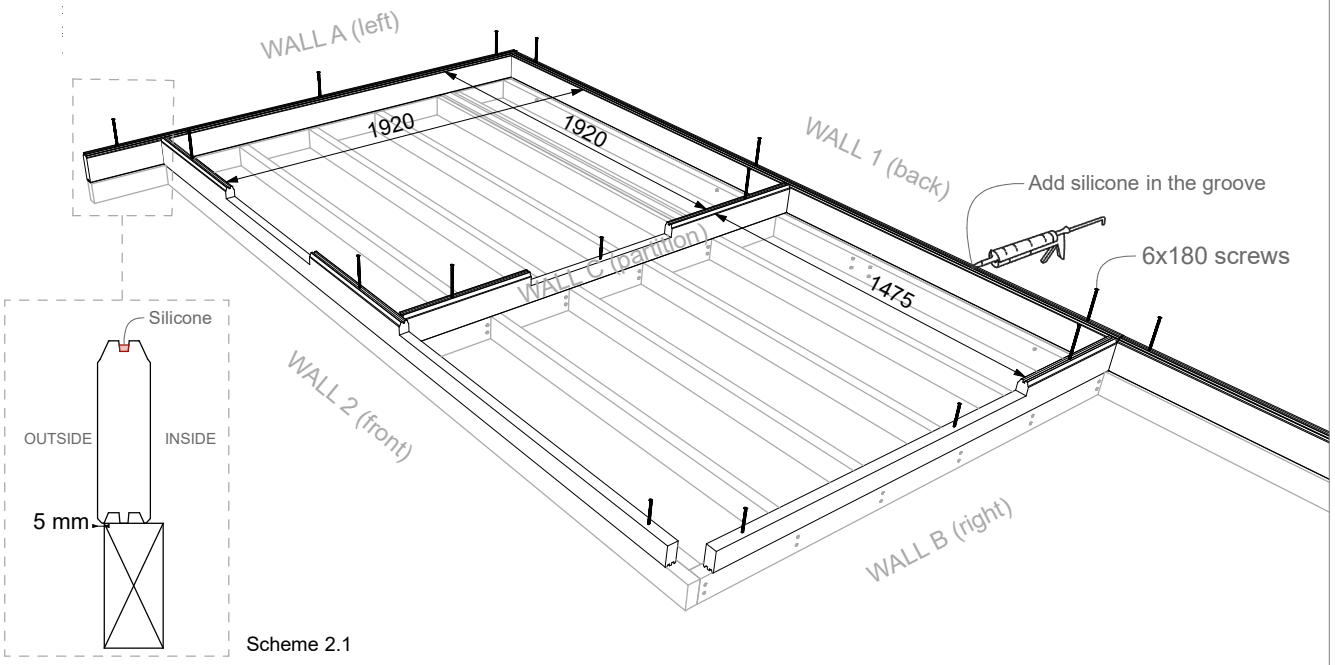


Scheme 1.1

Attention! If a terrace has also been ordered, please see the additional page of installation instructions for the sauna with a terrace.

STEP 2 - Walls

2.1 Place the first row of wall logs on the base frame according to Scheme 2.1. Make sure that the wall logs protrude 5 mm outward from the base frame on all sides. Use 6x180 screws to fix the wall logs to the base frame. Add silicone in the groove of every wall log between each row.
Suggestion: Pre-drill the holes for the screws to prevent wall logs from splitting.

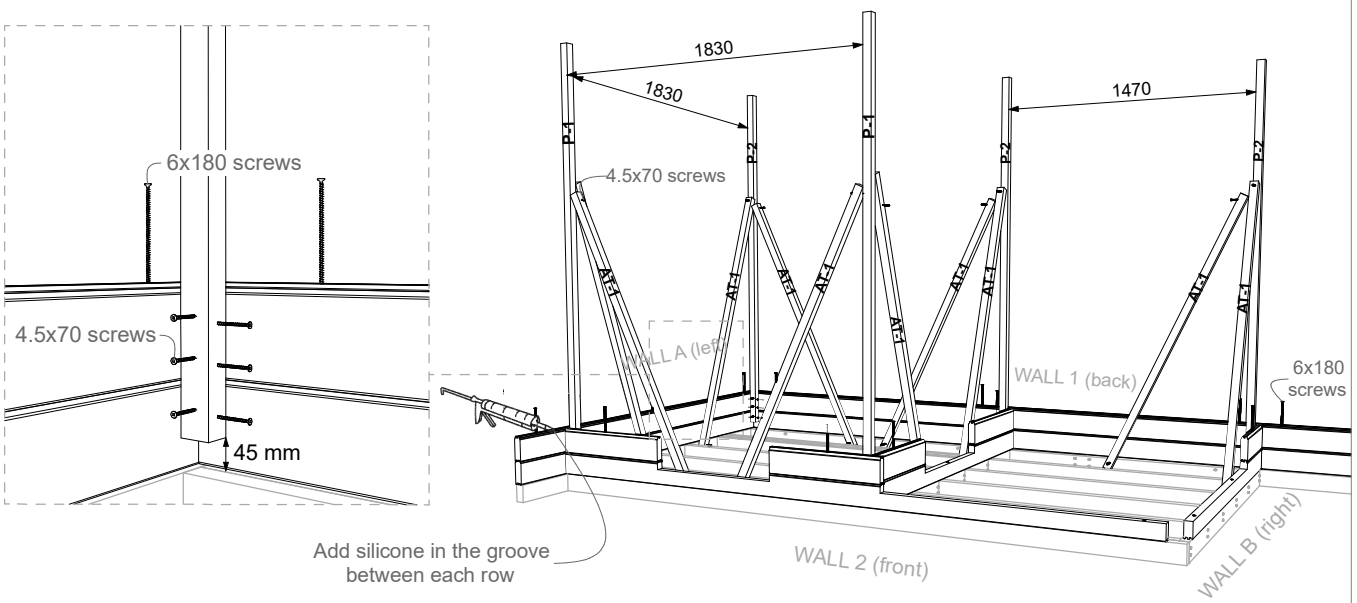


Scheme 2.1

2.2 Place the second row of wall logs on top of the first row. Use a hitting block and a rubber mallet to set the logs in place. Attach the second row to the first using 6x180 screws and a battery drill.
Suggestion: Pre-drill the holes for the screws to prevent wall logs from splitting.

2.3 Install corner posts in the inner corners. Leave a 45 mm gap at the bottom, between the corner posts and the base frame. Use 4.5x70 screws and a drill to fix the corner posts to every wall log (Scheme 2.2).
Suggestion: Pre-drill holes for the screws to prevent the posts from splitting.

2.4 Vertically level the corner posts and temporarily attach AT-1 details to them for support and to keep the posts in a level position.
Use a level, 4.5x70 screws, and a battery drill.



Scheme 2.2

STEP 2 - Walls

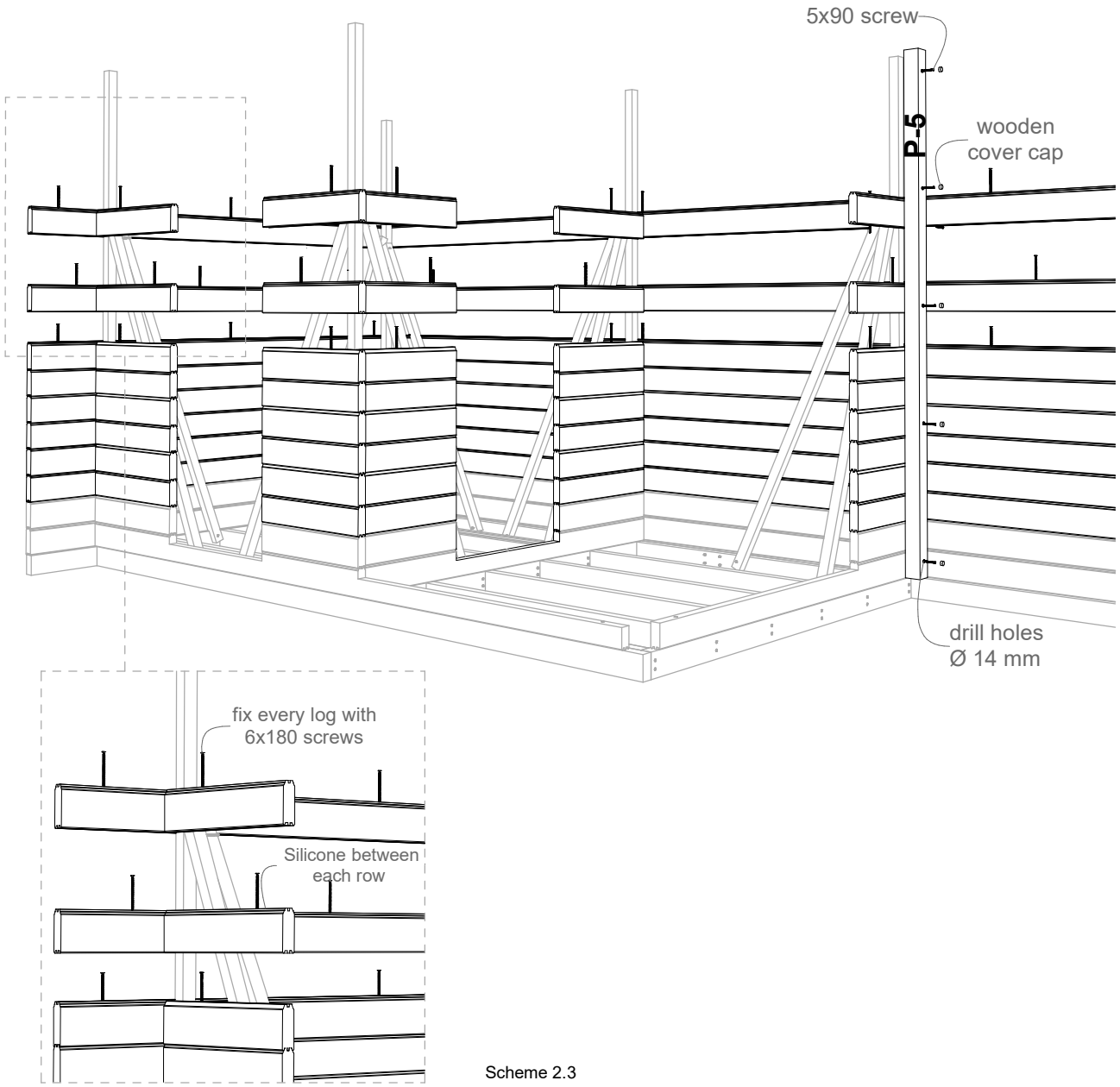


2.5 Continue to install the wall logs on top of each other according to the "Wall Layout" scheme on page 10. Use 6x180 screws to connect all wall logs to each other and 4.5x70 screws to fix all logs to corner posts, like shown in Scheme 2.3. Add silicone in the groove of every wall log between each row.



2.6 Connect the back walls with the P-5 corner post. Drill five 15 mm deep hole into the P-5 post with a Ø14 mm wood drill and fasten the P-5 post to Wall B (right) with 5x90 screws through the pre-made holes.
Cover the holes with wooden cover caps. Fix the 04 back wall logs to the P-5 corner post using 4.5x70 screws (2 per every wall log) from the outside.

2.7 Remove the AT-1 temporary support details after all wall logs have been installed.



Scheme 2.3

For installation of walls, please see the placement of the wall logs on the "Wall Layout" scheme on page 10.

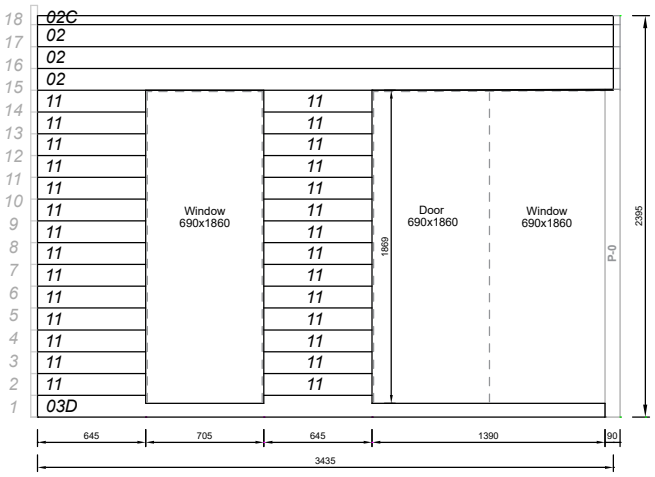
WALL LAYOUT

* Connect all wall logs together using 6x180 screws.

* Connect all wall logs to corner posts using 4.5x70 screws

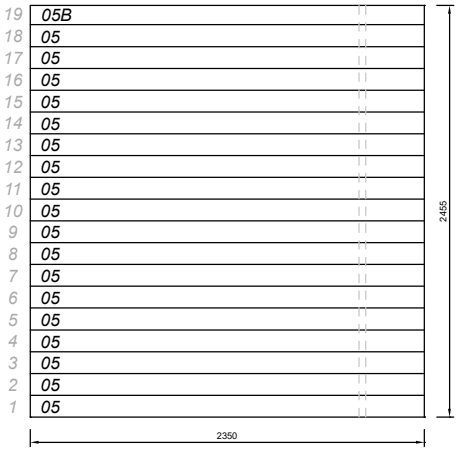
Wall 2 (front)

View from the outside



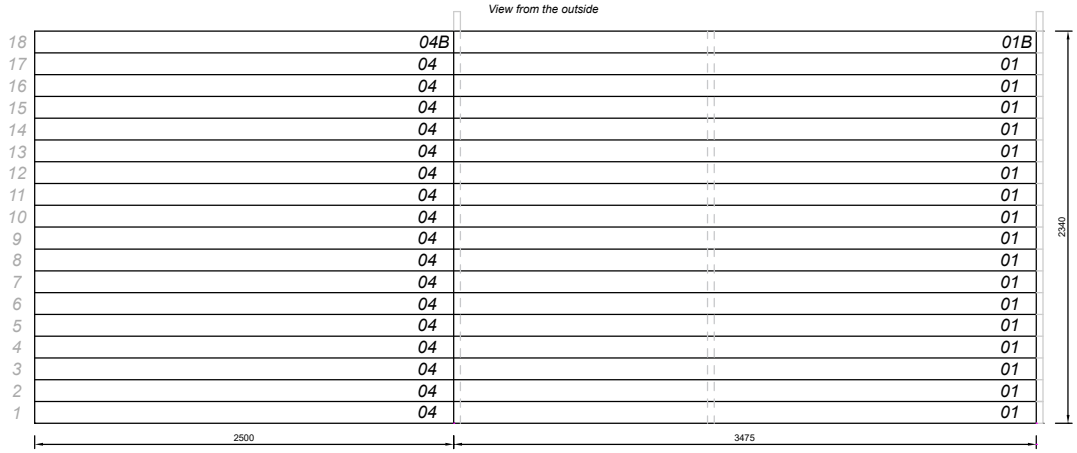
Wall A (left)

View from the outside



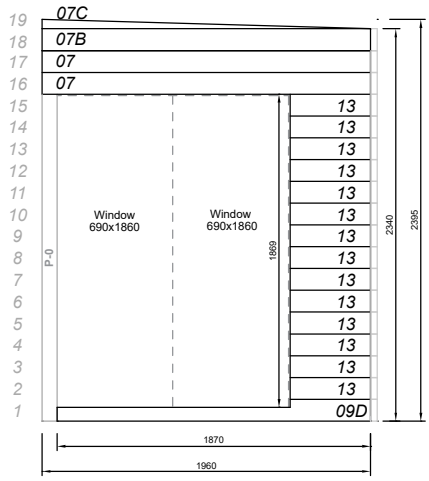
Wall 1 (back)

View from the outside



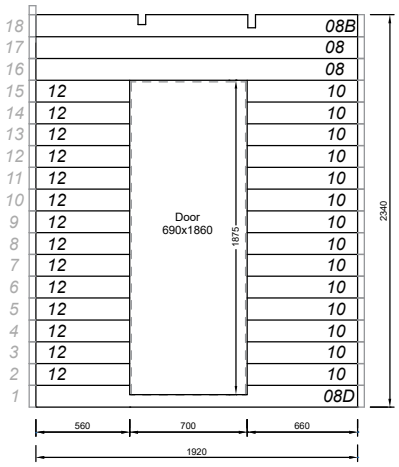
Wall B (right)

View from the outside



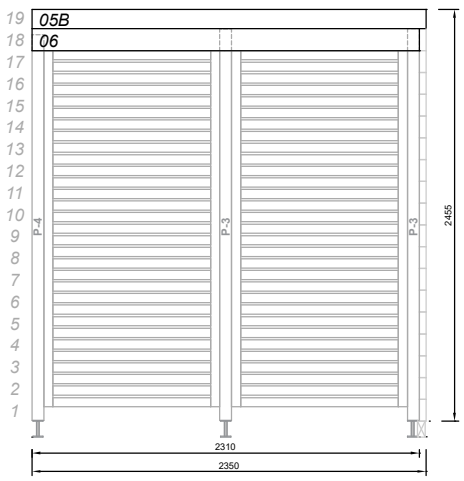
Wall C (partition)

View from the anteroom



Wall D (right)

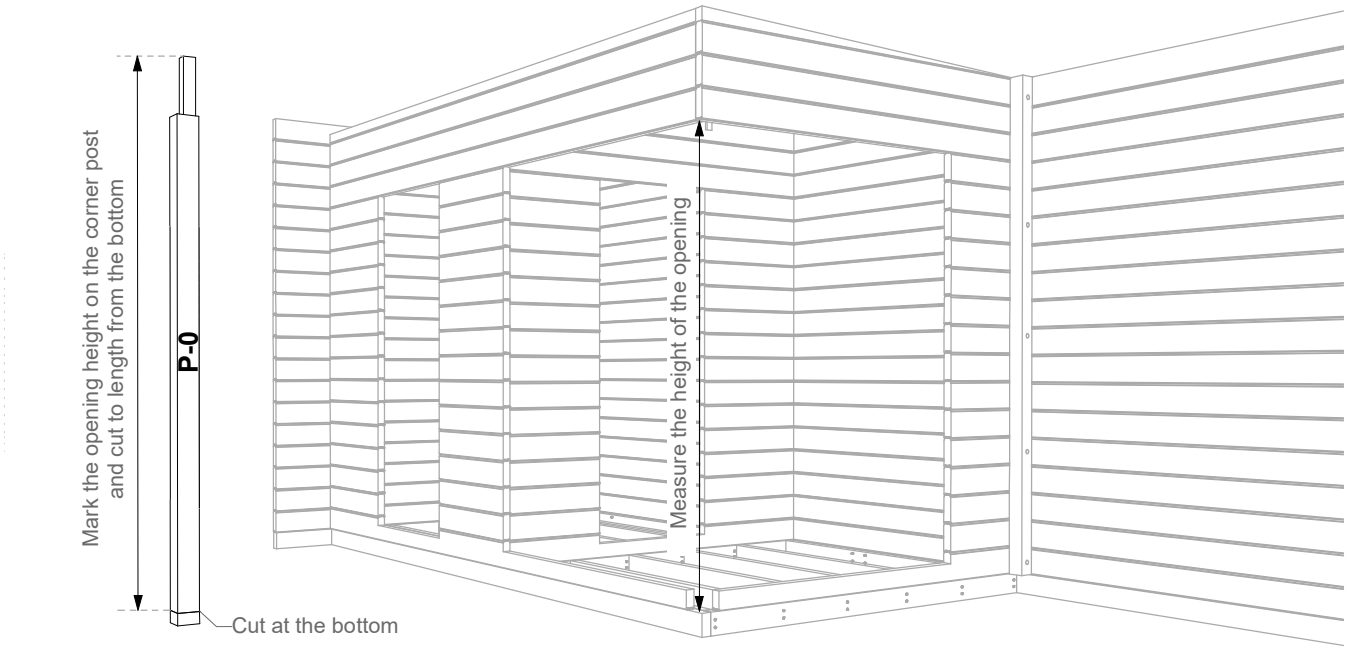
View from the outside



STEP 2 - Walls

2.8 Install the P-0 corner post. The length of the post is delivered with an oversize of ~50 mm. Measure the height of the window opening and cut the post to the right length at the bottom (see Scheme 2.4).



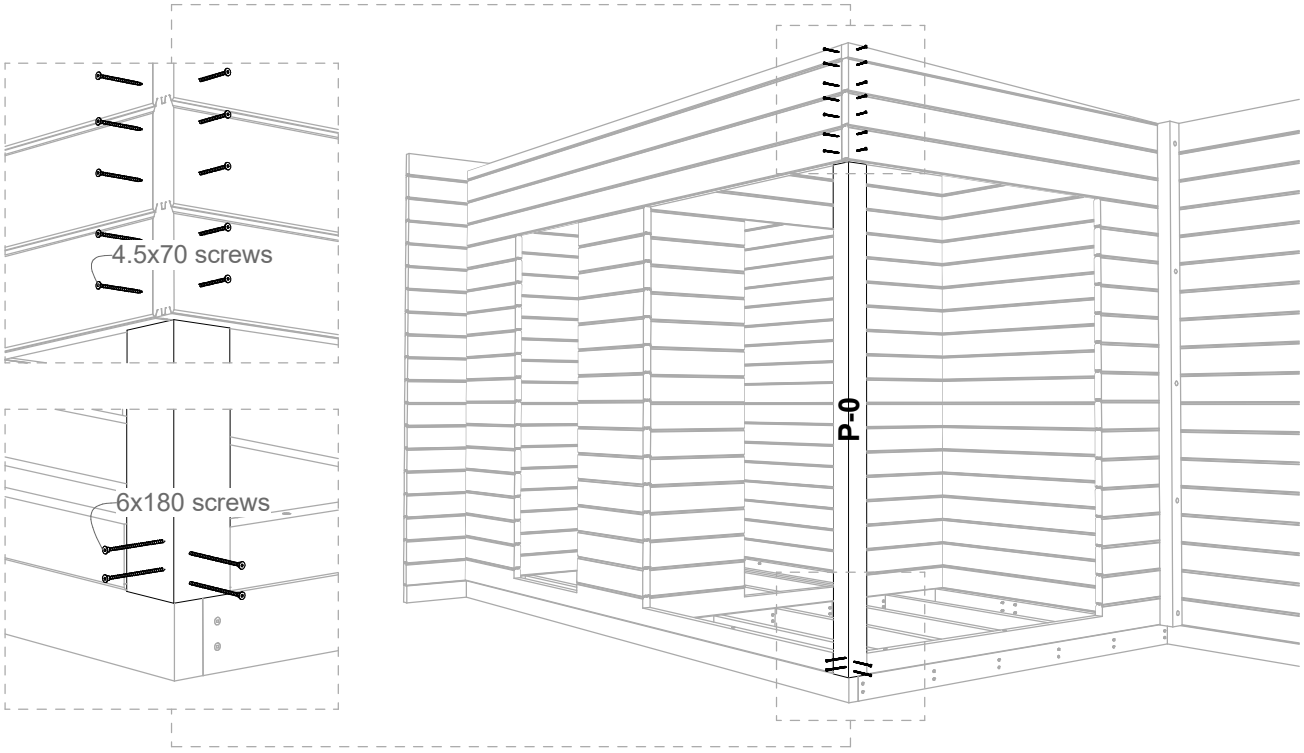


Scheme 2.4

2.9 Place the P-0 corner post in position and make sure it is level. Attach the corner post to the bottom row of wall logs with 6x180 screws (Scheme 2.5).



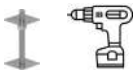
2.10 Fix the top four rows of logs to the corner post using 4.5x70 screws. The screws will later be covered with corner post moldings and will not remain visible.



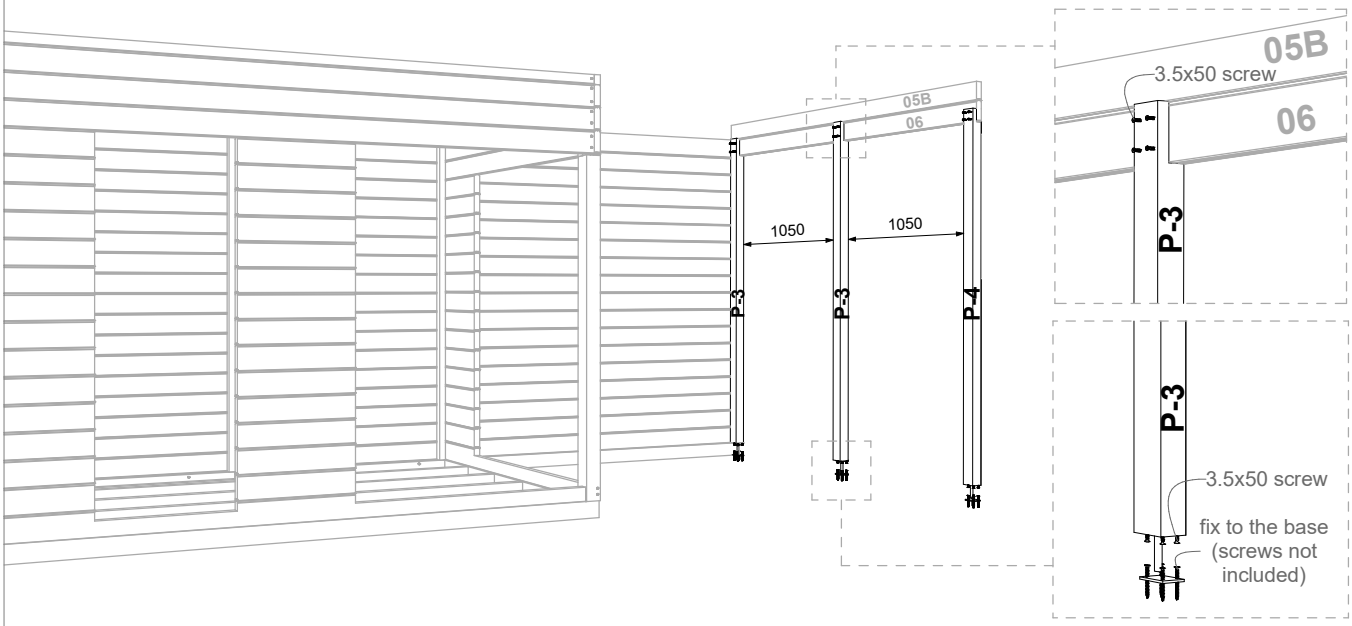
Scheme 2.5

STEP 2 - Walls

2.11 Attach the adjustable post supports to the bottom of the P-3 and P-4 posts with 3.5x50 screws. Install the posts and fasten them to the 06 wall log with 3.5x50 screws, like shown in Scheme 2.6.



2.12 Adjust the post supports to the correct height and fix them to the base with suitable screws depending on the material.



Scheme 2.6

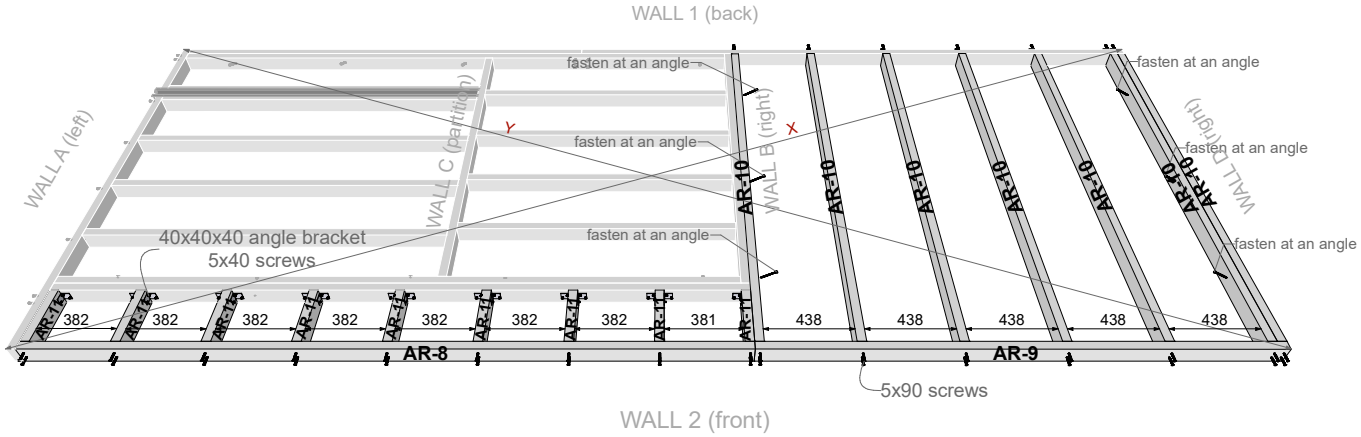
EXTRA: Terrace *(only if ordered additionally)*

Marking	Detail	Image	Note	Length	Pcs.
AR-8	45x95 Base Frame			3460	1
AR-9	45x95 Base Frame			2505	1
AR-10	45x95 Base Frame			2255	7
AR-11	45x95 Base Frame			310	9
TR-1	28x120 Decking board			3510	4+1
TR-2	28x120 Decking board			2500	21+1
	Metal angle bracket 40x40x40		for base frame		16
	Screw 6x180		for support posts		10
	Screw 5x90		for base frame		60
	Screw 4.2x55		for decking boards		350
	Screw 5x40		for metal angle brackets		70

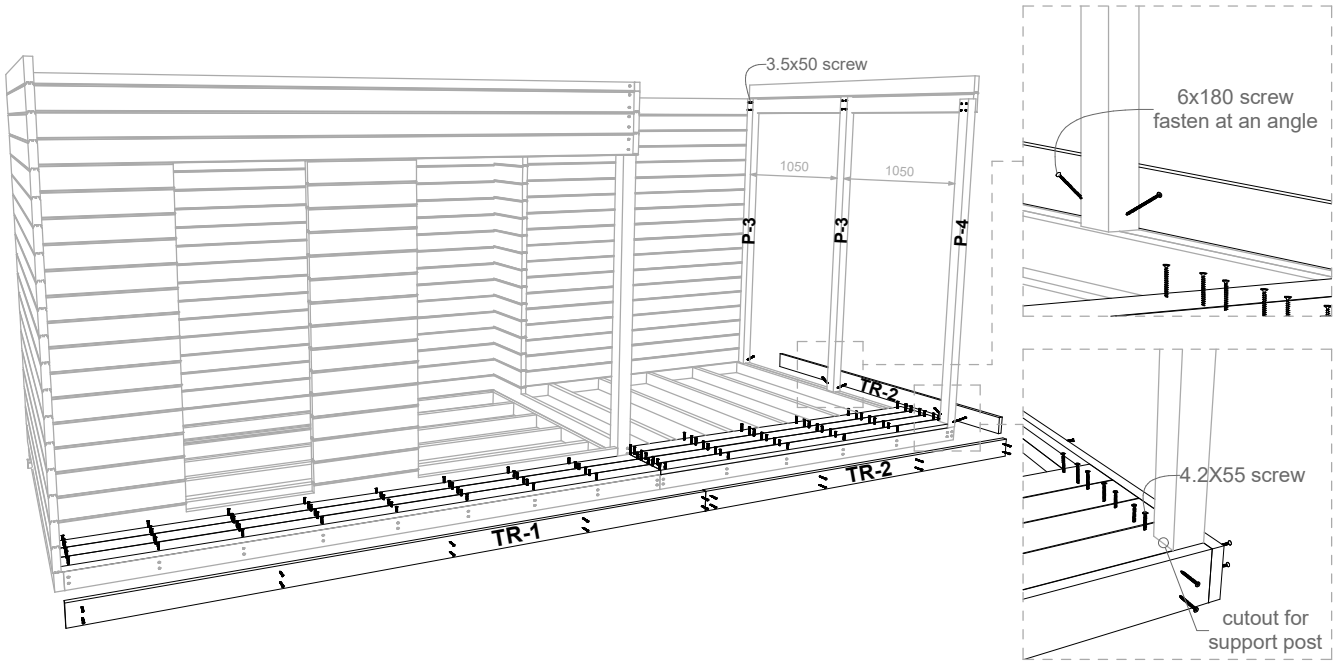
1. Connect the terrace base frame details according to the scheme.
   Make sure that the frame is level and that the diagonals are equal (X = Y).



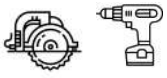
   X= 6451 mm; Y= 6451 mm



2. Install the P-3 and P-4 posts and fasten them to the base frame using 6x180 screws at an angle.
   Do not attach the adjustable post supports to the bottom of the posts.



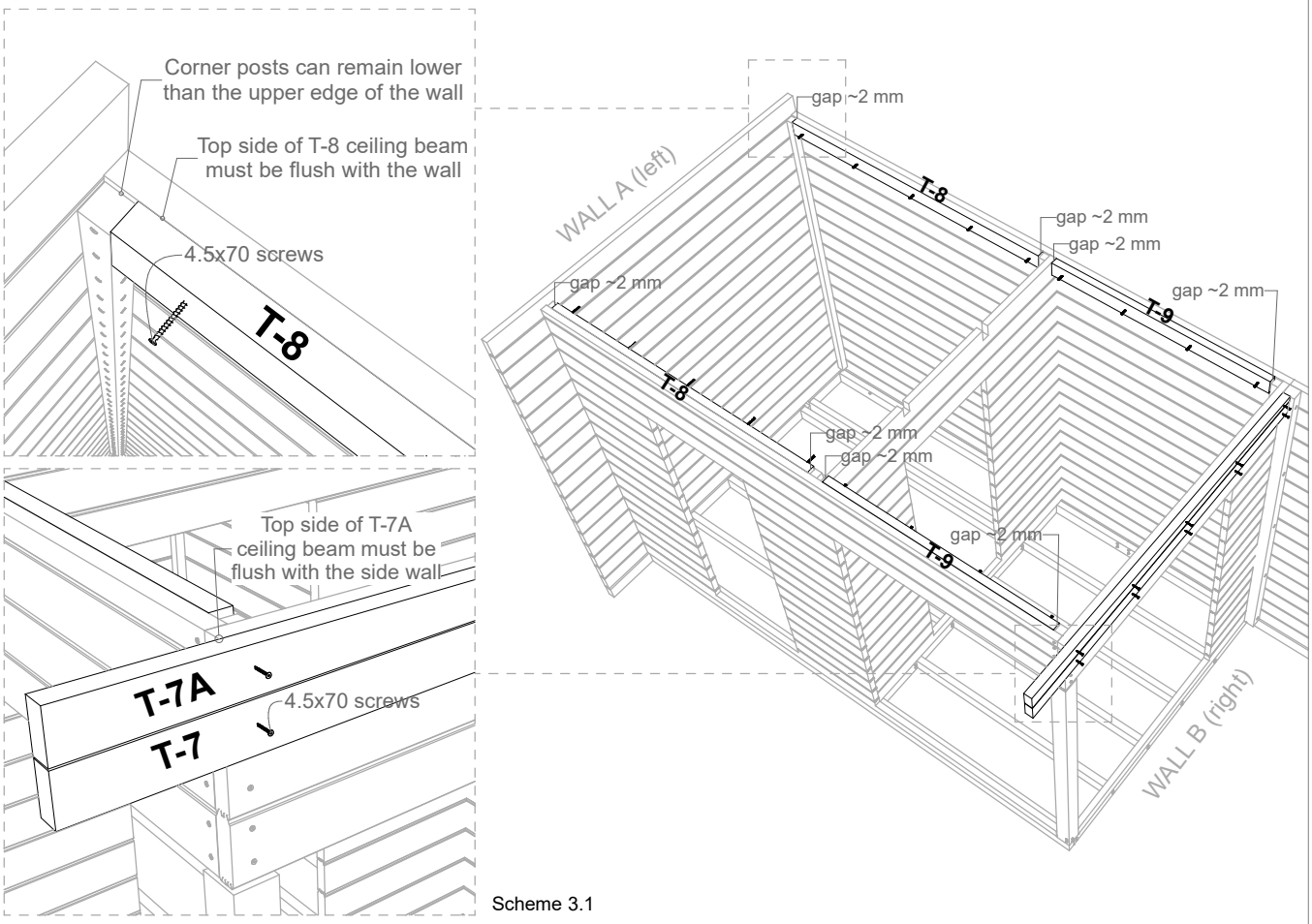
3. Make cutouts for the support posts and fasten the decking boards to the base frame using 4.2x55 screws.
   Cut the last decking board to width using a circular saw.



STEP 3 - Roof boards and ceiling

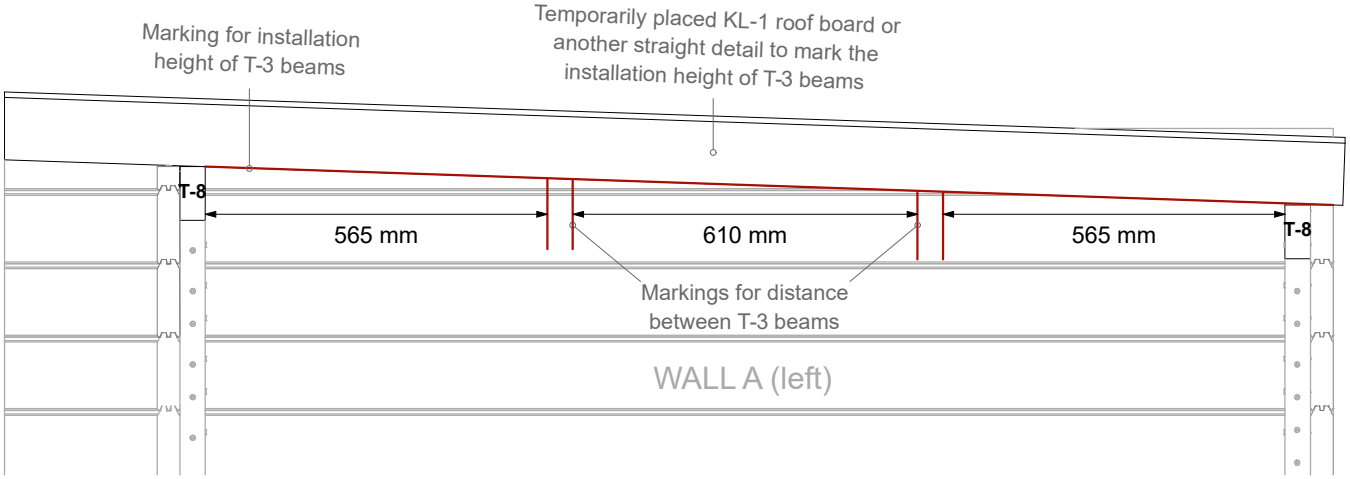
3.1 Attach the T-8 and T-9 beams to the front and back walls. Leave ~2 mm gap at both ends. Make sure that the top side of the beam is flush with the upper edge of the front and back walls. Use 4.5x70 screws and a drill to fix the beams to the walls (Scheme 3.1).

3.2 Place the T-7A wedge shaped beam on top of the T-7 beam and fix them both to Wall B (right), flush with the upper edge of the wall. Use 4.5x70 screws for fixing.



Scheme 3.1

3.3 Temporarily lay one KL-1 roof board or some other straight detail on top of the front and back walls of the sauna. Mark the diagonal that forms under the detail on the side walls with a pencil. These markings will determine the installation height of the T-3 ceiling beams. Measure out the distance from T-8 and T-9 beams and mark the locations on both side walls of the sauna, like shown in Scheme 3.2. These markings will indicate the spacing between the T-3 ceiling beams.

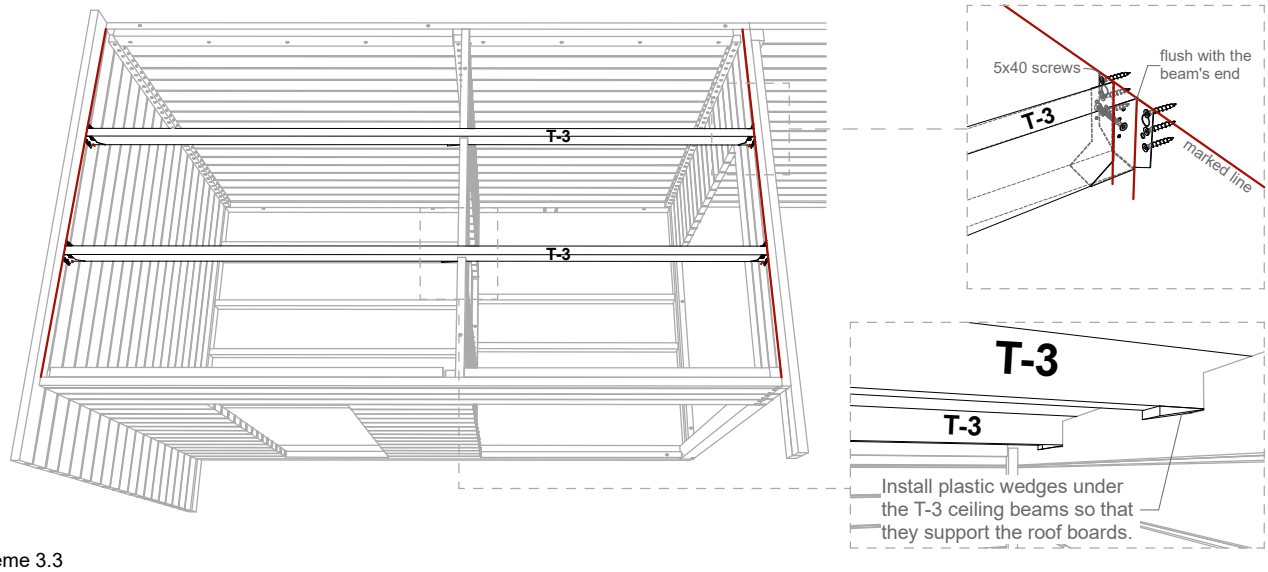


Scheme 3.2

STEP 3 - Roof boards and ceiling

3.4 Attach the joist hangers to the T-3 ceiling beams, flush with the beams ends (Scheme 3.3). Use 5x40 screws.

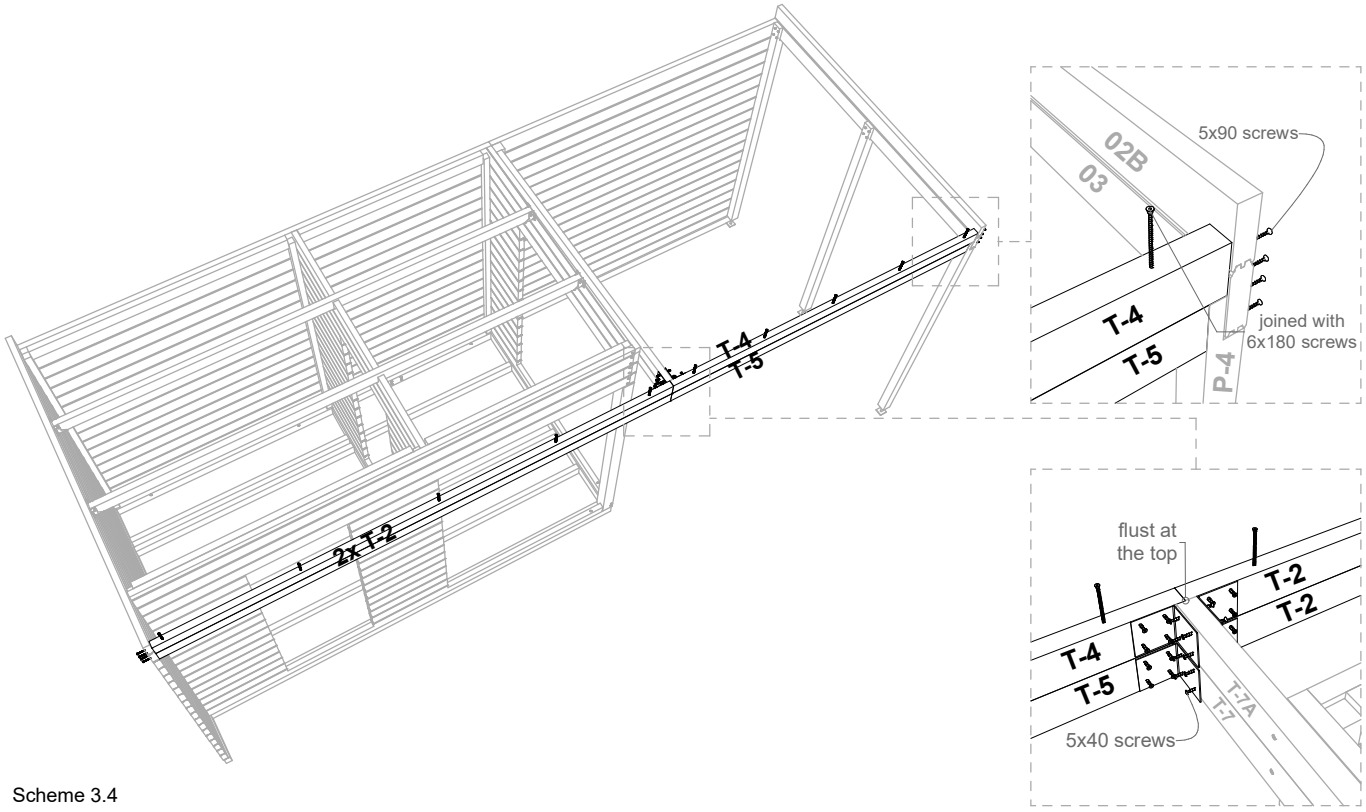
3.5 Install the T-3 ceiling beams through the cutouts in Wall C (partition). Fasten them to the side walls in the previously marked location through the joist hangers, like shown in Scheme 3.3. Use 5x40 screws to fix the joist hangers to the beams and the walls.
The T-3 beams should support the roof boards in the middle of the sauna. If necessary, raise the beams higher from the cutouts in Wall C (partition) and position them to the correct height using plactic wedges.



Scheme 3.3

3.6 Place two T-2 beams on top of each other and connect them with 6x180 screws. Then place T-4 and T-5 beams on top of each other, with ends even at the left side, leaving an offset at the right. Join the beams together with 6x180 screws.

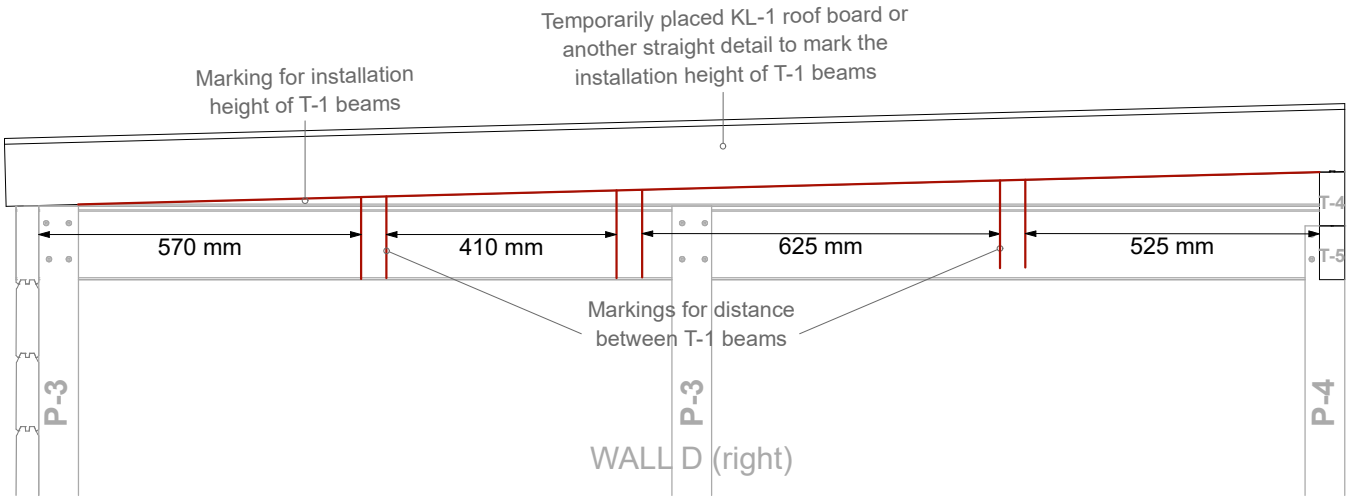
3.7 Place the joined T-4 and T-5 beams on top of the P-4 post, so that it supports the T-5 beam on the right end. Fasten the joined beams to Wall A (left) and to Wall D (right) from the outside with 5X90 screws. At the center, fasten them to T7 and T-7A beams through 90x90x90 metal andgle brackest with 5x40 screws (Scheme 3.4).



Scheme 3.4

STEP 3 - Roof boards and ceiling

3.9 Temporarily lay one KL-1 roof board or some other straight detail on top of the front and back walls of the shelter. Mark the diagonal that forms under the detail on the side walls with a pencil. These markings will determine the installation height of the T-1 ceiling beams. Measure out the distances and mark the locations on both side walls, like shown in Scheme 3.5. These markings will indicate the spacing between the T-1 ceiling beams.

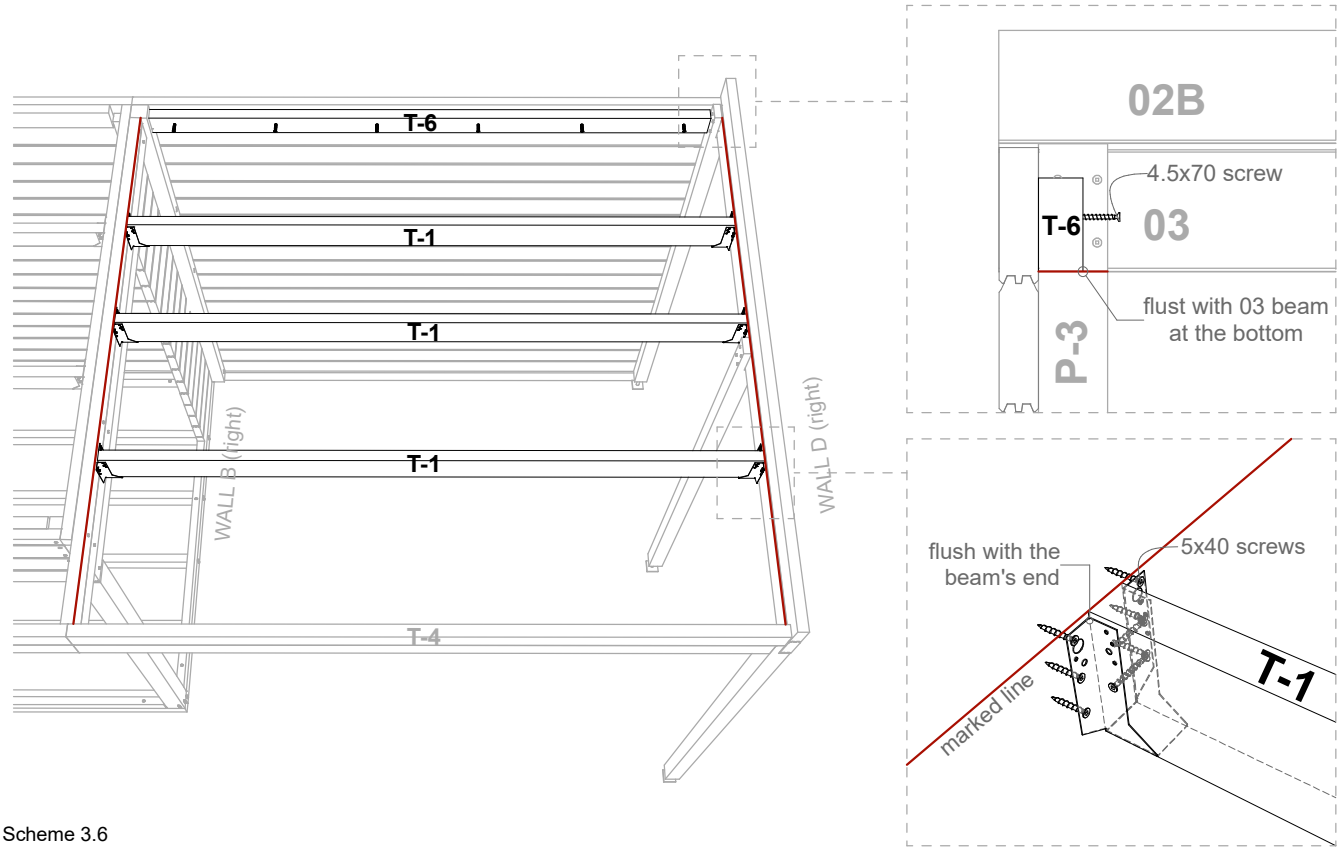


Scheme 3.5

3.10 Attach the 45x137 joist hangers to the T-1 ceiling beams with 5x40 screws, flush with the beams ends.

3.11 Fasten the T-1 ceiling beams to the side walls of the shelter through the joist hangers in the previously marked locations, like shown in Scheme 3.6. Use 5x40 screws to fix the joist hangers to the beams and walls.

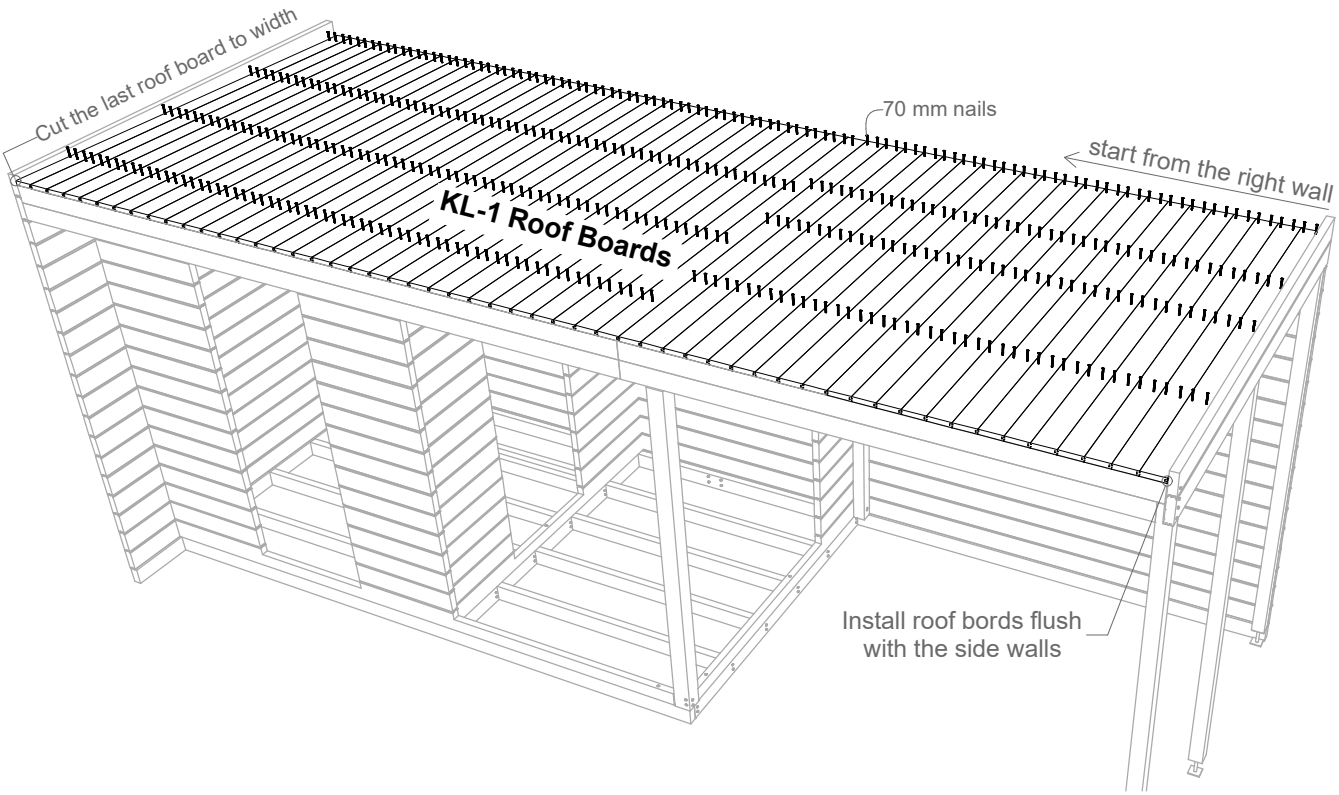
3.12 Attach the T-6 beam to the back wall of the shelter. Leave ~2 mm gap at both ends. Make sure that the bottom side of the beam is flush with the bottom edge of the 03 wall log. Use 4.5x70 screws and a drill to fix the beam to the back wall (Scheme 3.1).



Scheme 3.6

STEP 3 - Roof boards and ceiling

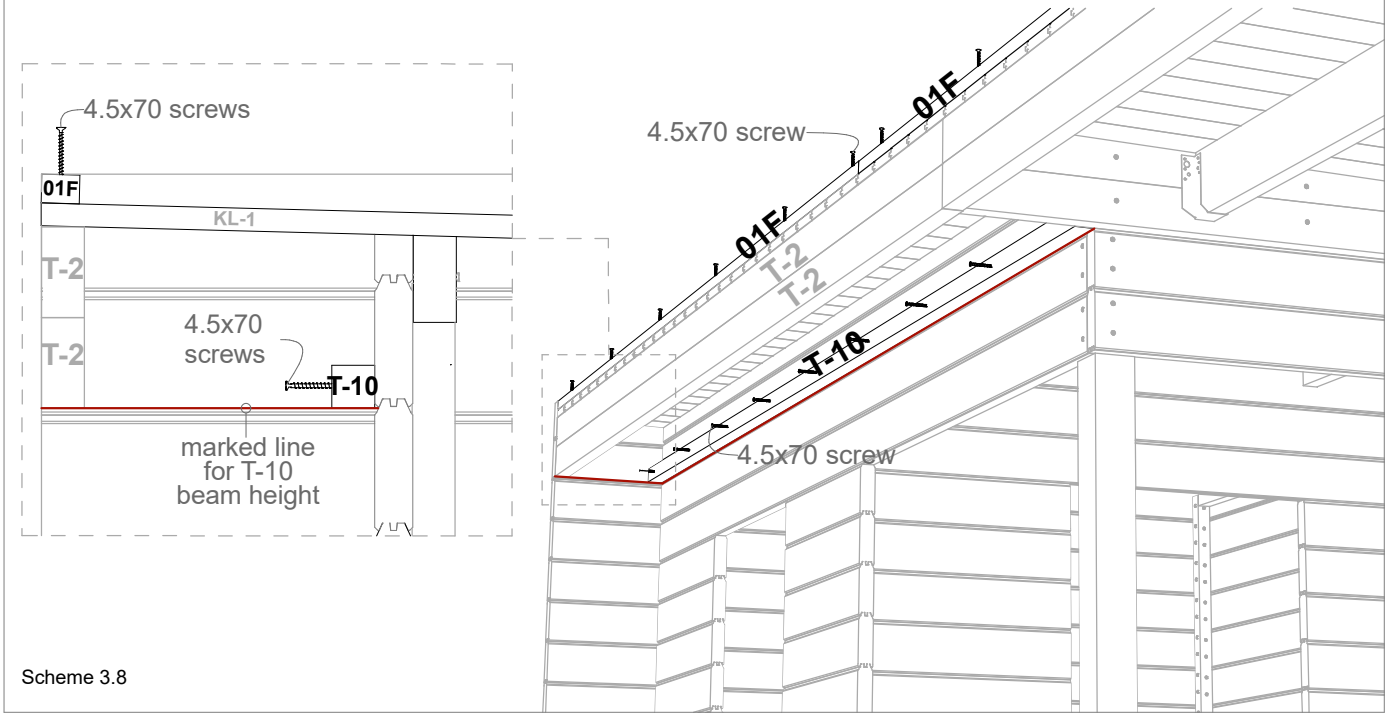
3.12 Install the roof boards flush with the side walls, starting from the right. Fix the roof boards with 70 mm nails to the beams (8 nails per every roof board) using a hammer or a nail gun.
Cut the last roof board to width using a circular saw.



Scheme 3.7

3.13 When all the roof boards are installed, measure the distance from the roof boards to the bottom edge of the T-2 beam and mark it on Wall 2 (front).
That line will indicate the installation height of the T-10 beam. Fix with 4.5x70 screws.

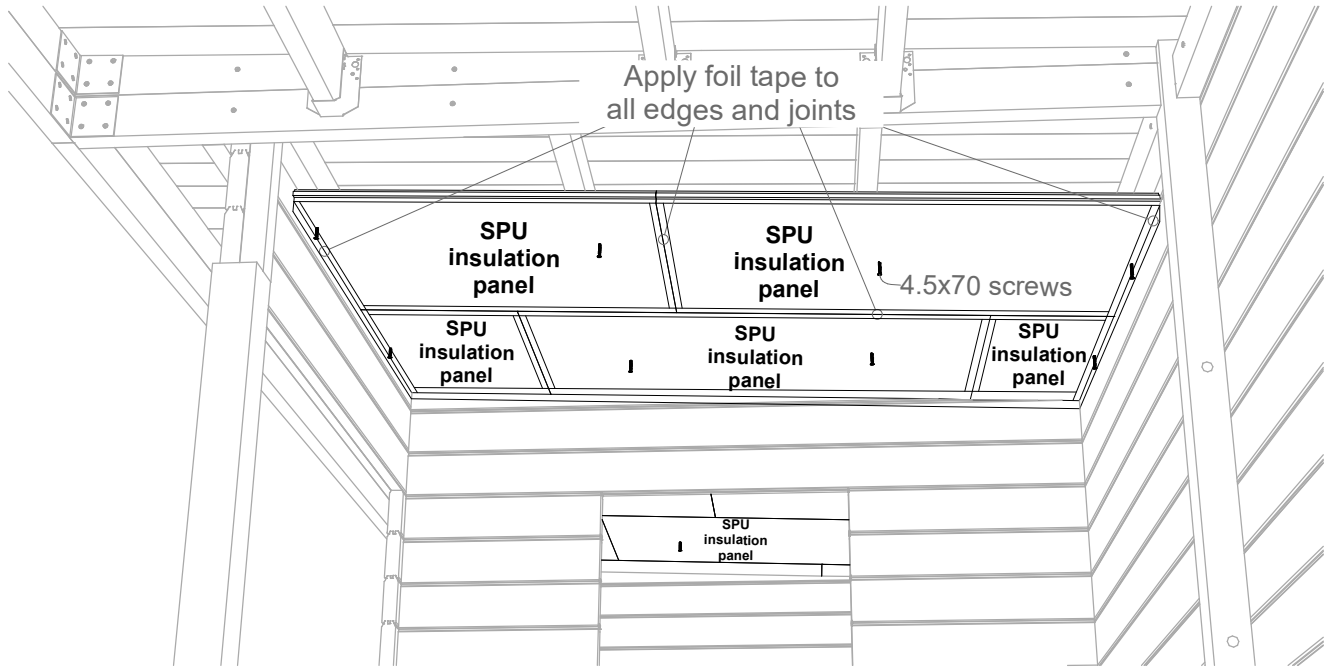
3.14 Install the 01F roof blocks on top of the roof boards, flush with the front edge. Fix with 4.5x70 screws (Scheme 3.8).



Scheme 3.8

STEP 3 - Roof boards and ceiling

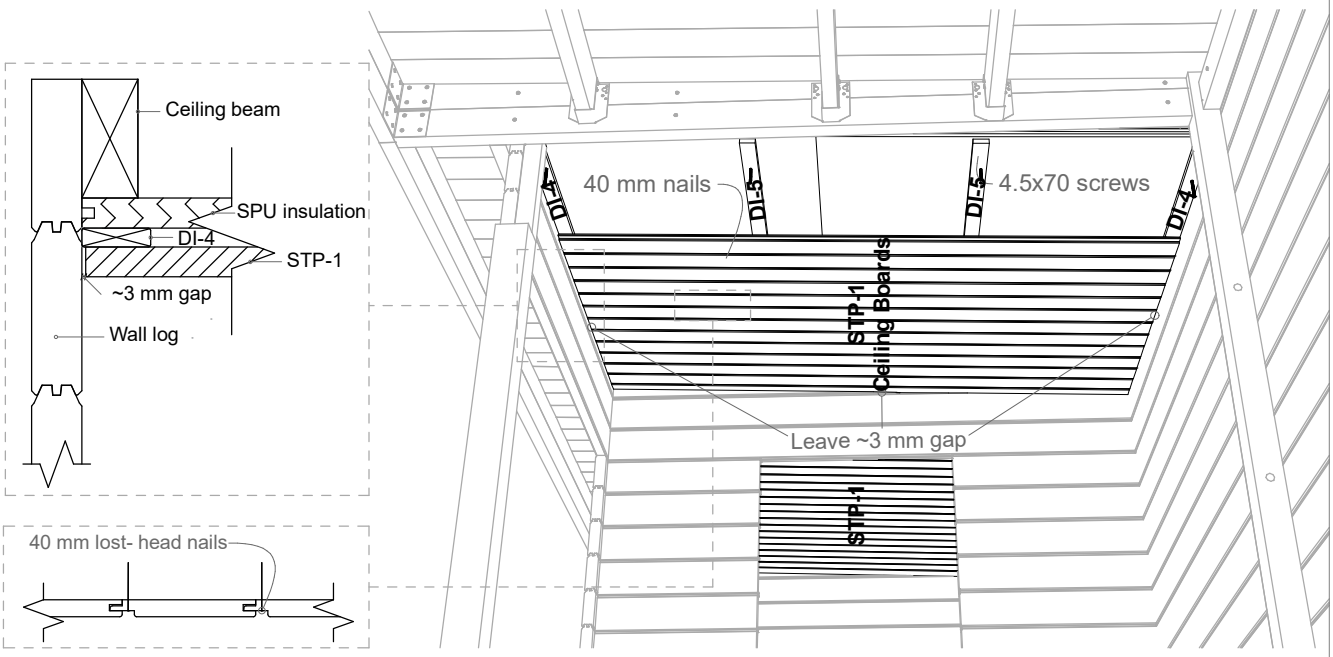
3.15 Cut the SPU insulation panels to the right size using a cutting knife. Make cutouts in the corners for corner posts. Attach the panels to the ceiling beams using a few 4.5x70 screws. Tape all edges and joints with foil tape to prevent heat loss, like shown in Scheme 3.9.



Scheme 3.9

3.16 Place the DI-2, DI-3, DI-4 and DI-5 ceiling distance boards on top of the insulation panels and fasten them to the ceiling beams using 4.5x70 screws.

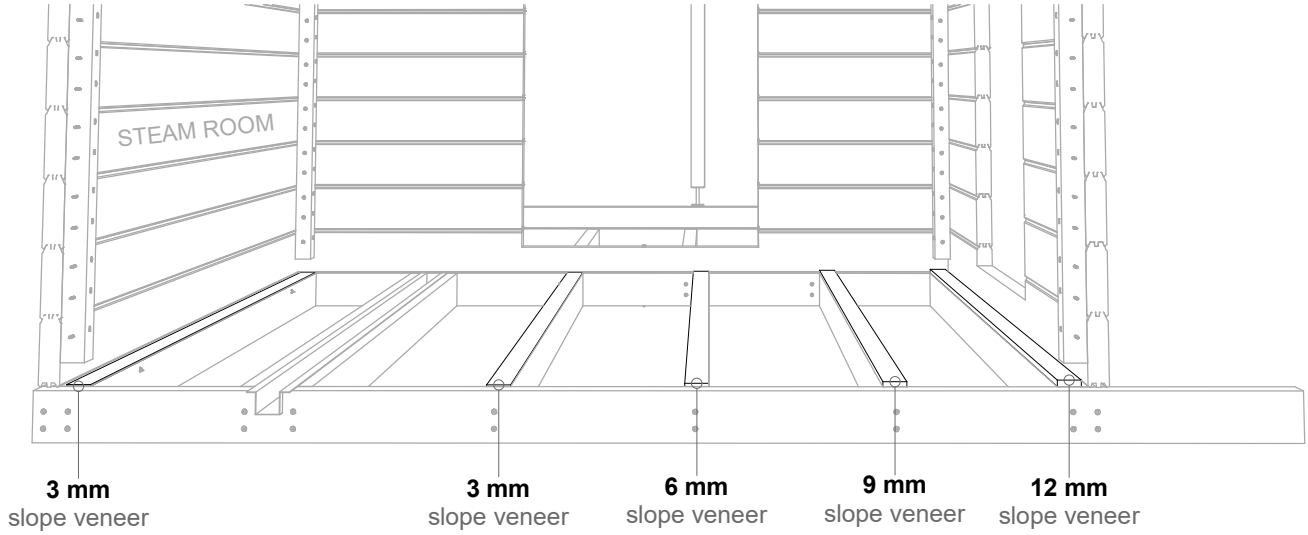
3.17 Install the ceiling lining boards on top of the distance boards. Leave ~3 mm gap between the ceiling boards and walls on all sides. Use 40 mm lost-head nails (4 per every ceiling board) and a hammer or nail gun for fixing. Make corner cutouts in the first and last ceiling boards for corner posts with a hand saw, and cut the last ceiling board to width using a circular saw (Scheme 3.10).



Scheme 3.10

STEP 4 - Floor

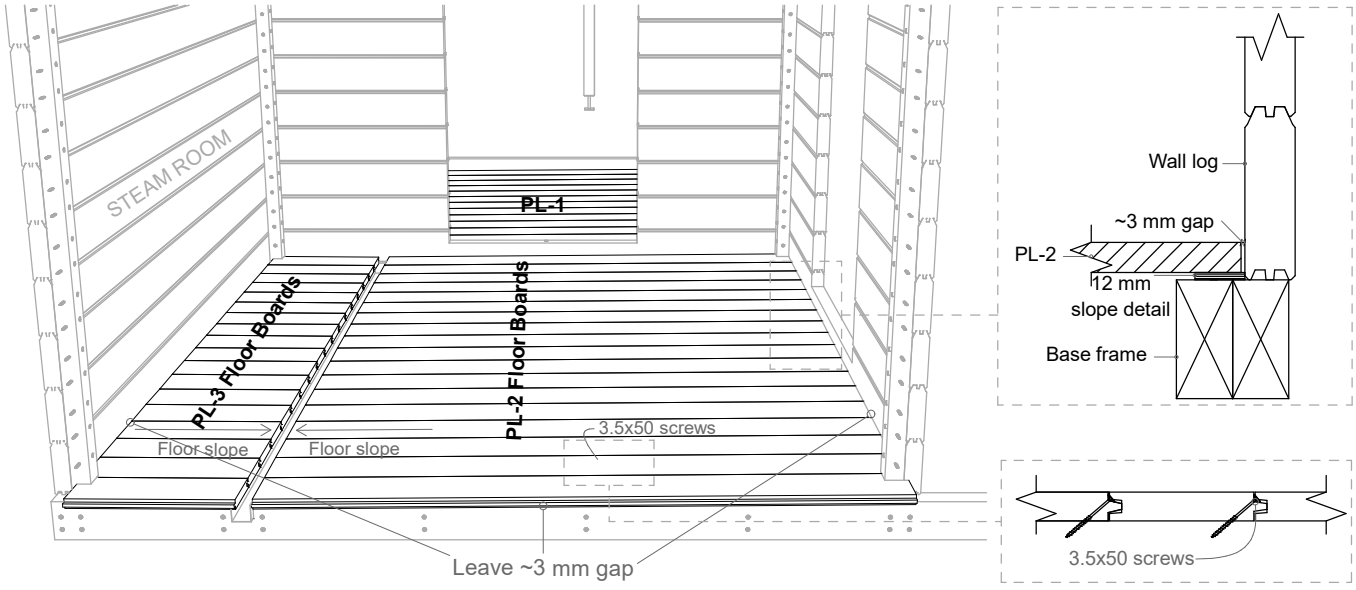
4.1 Place the slope veneers on the base frame to give the floor a slope for water drainage.
Fixing the details to the base frame with screws is optional (Scheme 4.1).



Scheme 4.1

4.2 Install the floor boards starting from the right. Leave ~3 mm gap between the floor boards and walls at all sides. Cut the last floor board to width using a circular saw. Use 3.5x50 screws to fix the floor boards in place (Scheme 4.2).

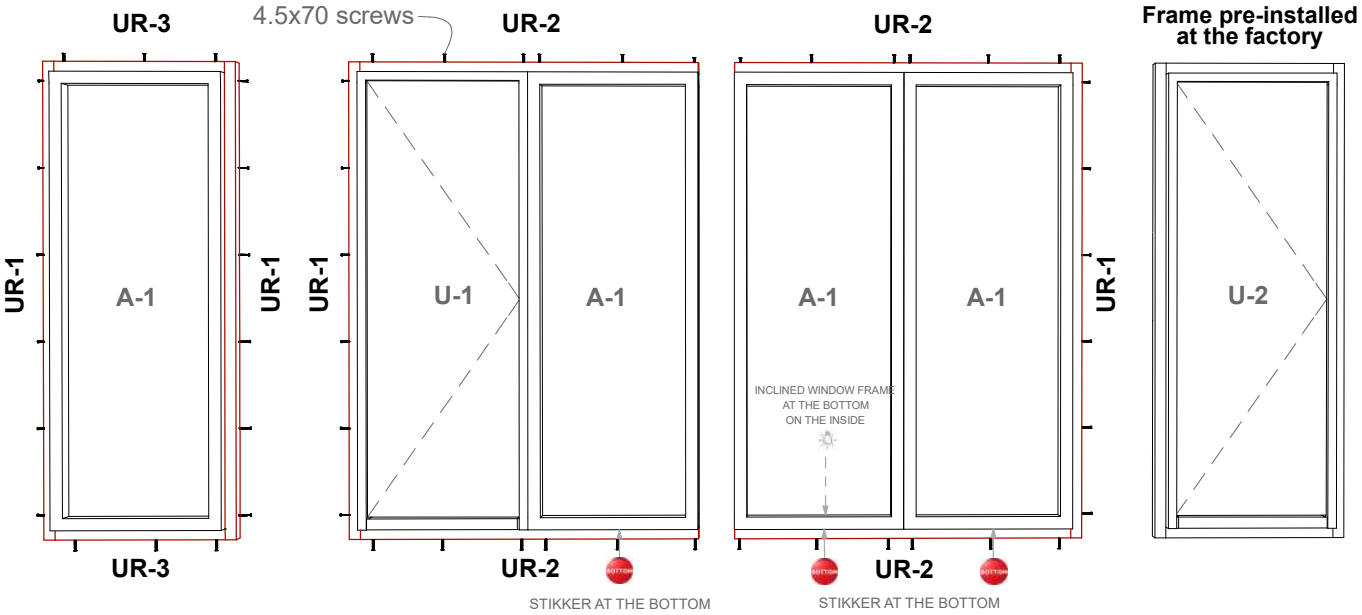




Scheme 4.2

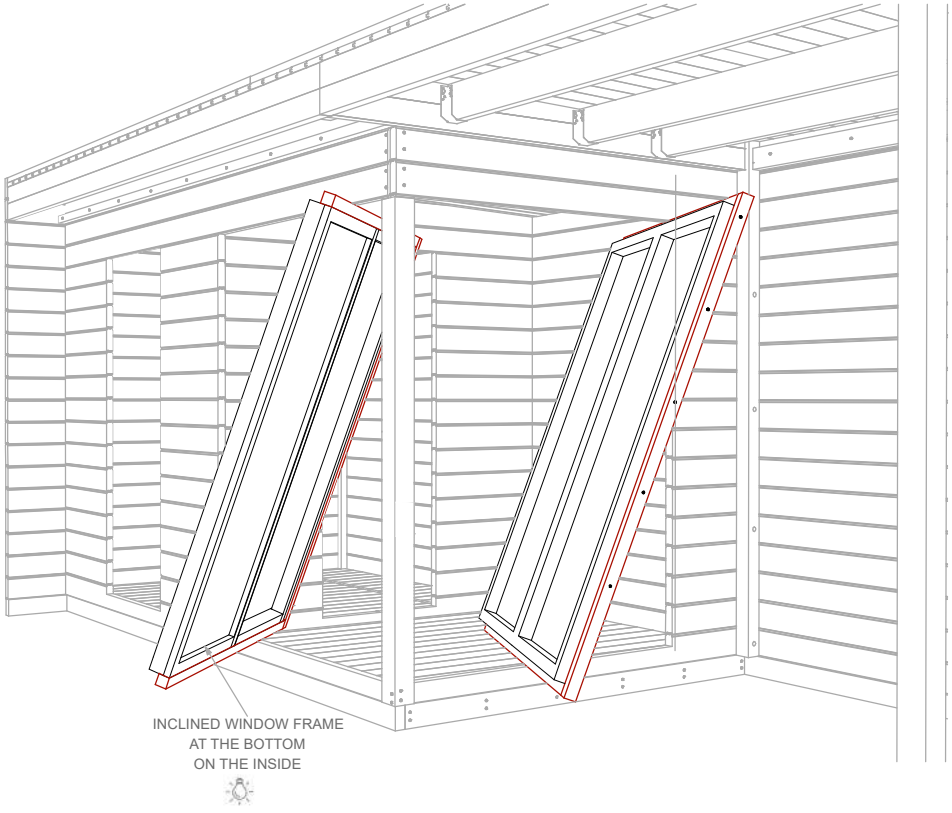
STEP 5 - Doors and windows

5.1 Connect the windows and door together by attaching the UR-1 and UR-2 frame details around them with 4.5x70 screws (Scheme 5.1).
Attention! When installing the window, make sure that the inclined frame is located indoors, at the bottom of the window. The bottom side is marked with a sticker.



Scheme 5.1

5.2 Lift and tilt the door and windows diagonally into the opening (Scheme 5.2).
Place them to their positions from inside the sauna.
For easier installation, remove the glass from the door hinges to reduce the weight of the door.



Scheme 5.2

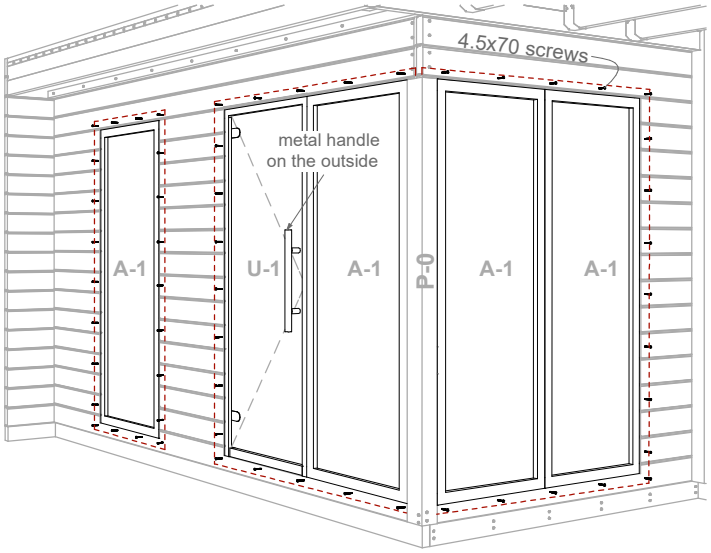
STEP 5 - Doors and windows

5.3 Fix the door and window frames to Wall 2 (front) and Wall B (right) from the outside using 4.5x70 screws (Scheme 5.3).

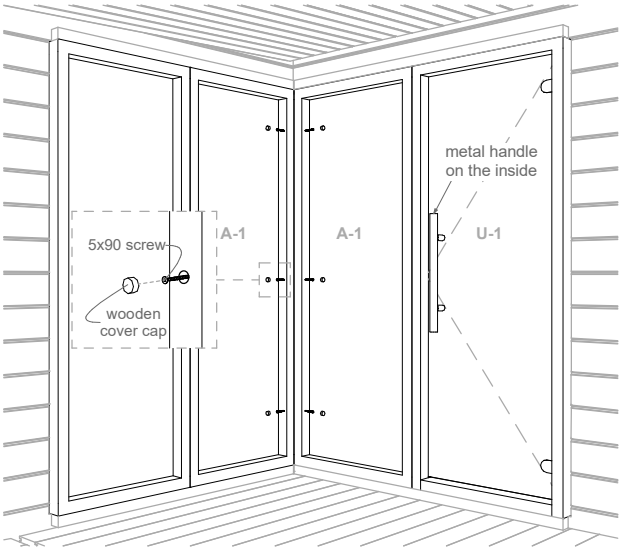


5.4 Fasten the windows to the P-0 corner post from inside the sauna, through the pre-drilled holes in the window frames. Use 5x90 screws. (Scheme 5.4). After fixing, cover all the pre-drilled holes with wooden cover caps. Attach the glass doors back to the hinges and fix the handles to the doors. The set includes two different handles that look the same but are made of different materials. Make sure that the outer door has a metal and metal handle and the inner door has a metal and wooden handle. A wooden handle must be installed on the inner door facing the steam room so that it does not heat up while using the sauna. The difference in material can be detected by sound (tap on the handles).

View from the inside:



Scheme 5.3



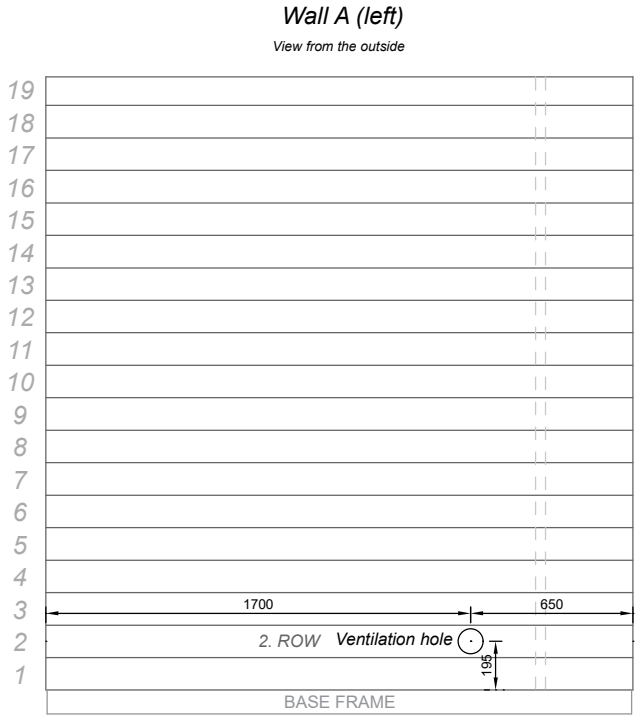
Scheme 5.4

STEP 6 - Ventilation

6.1 Cut the ventilation holes in the walls with a diameter of 100 mm using a hole saw or a jigsaw. For recommended locations of ventilation openings see Scheme 6.1



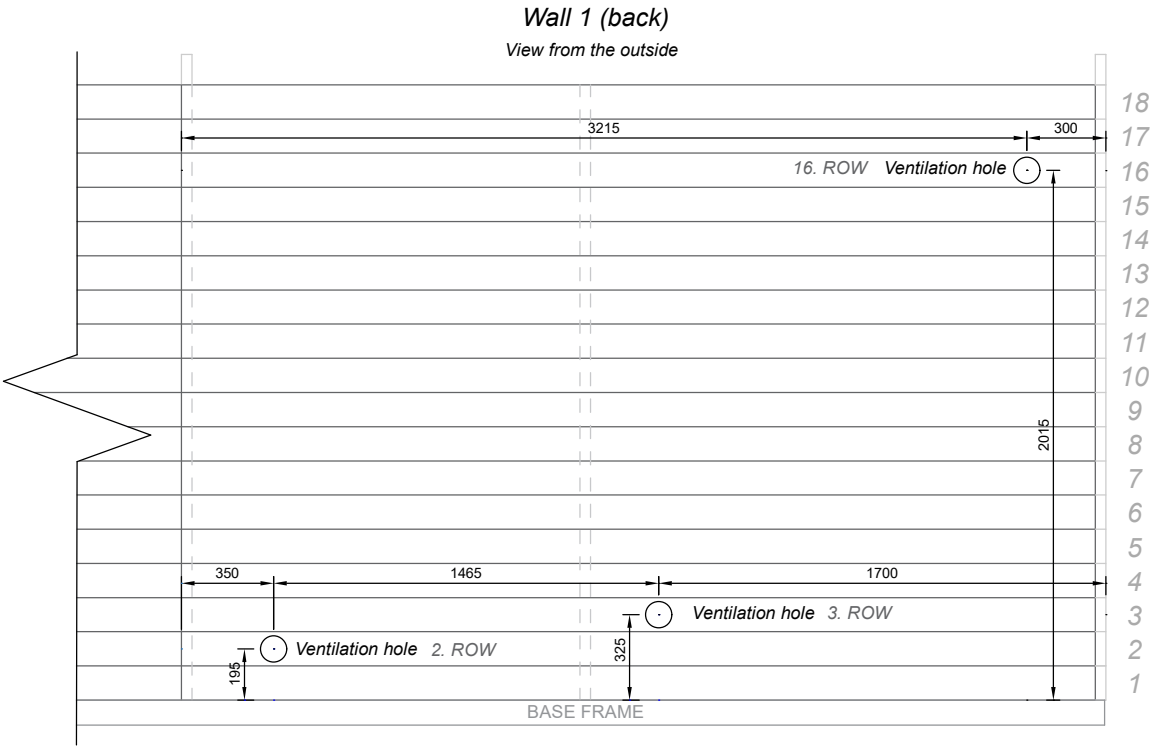




Scheme 6.1

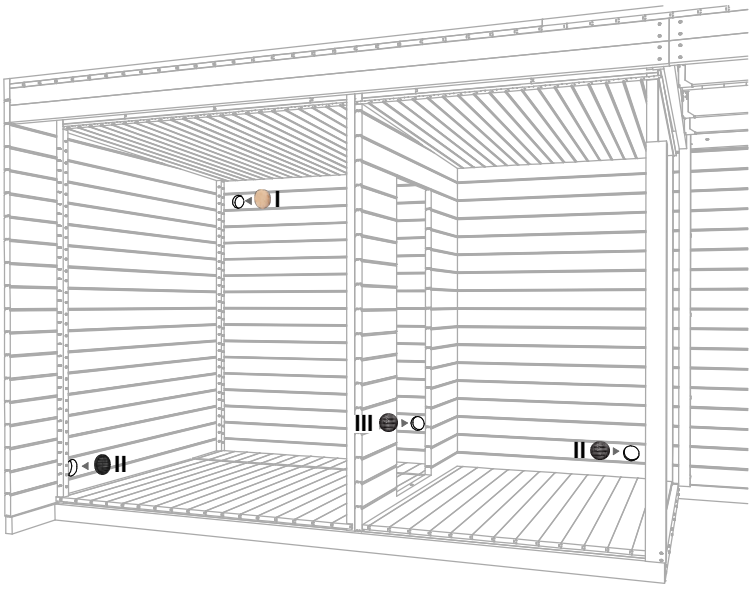
STEP 6 - Ventilation

6.2 Cut the ventilation holes in the walls with a diameter of 100 mm using a hole saw or a jigsaw.
For recommended locations of ventilation openings see Scheme 6.2



Scheme 6.2

6.3 Cover the openings with ventilation grids or valves, as shown in Scheme 6.2. Use 3x40 black screws for fixing.



Scheme 6.3

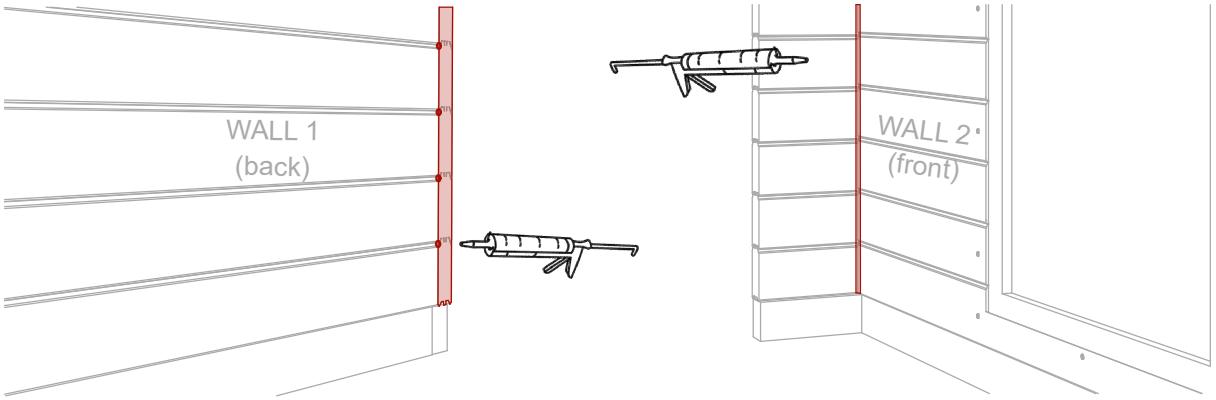
I - EXHAUST OPENING
Install the metal ventilation grid on the outside and the wooden valve on the inside.
The exhaust opening with the valve inside is located under the ceiling, and its purpose is to dry the steam room after using the sauna. The ventilation valve should be closed while using the sauna. Open the valve after using the sauna to expel excess moisture through the opening.
For faster drying, leave the steam room door ajar after a sauna session.
The ventilation valve can also be opened between steam sessions if there are many people in the steam room at the same time and excessive humidity or a lack of air occurs.

II - INLET
Install a metal ventilation grid inside and outside.

III - OUTLET
Install a metal ventilation grid inside and outside.

STEP 7 - Grid walls, outer lining and moldings

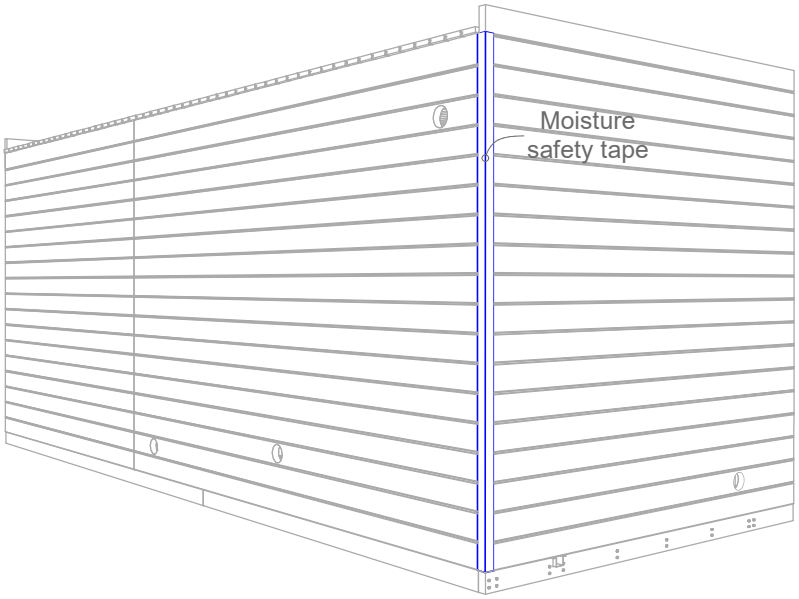
7.1 Seal all the outside corners of the sauna with transparent silicone to prevent moisture and rainwater from entering the sauna, as shown in Scheme 7.1. Apply silicone to the open end grains at the back wall and spread it with a spatula to about 1 mm thickness.

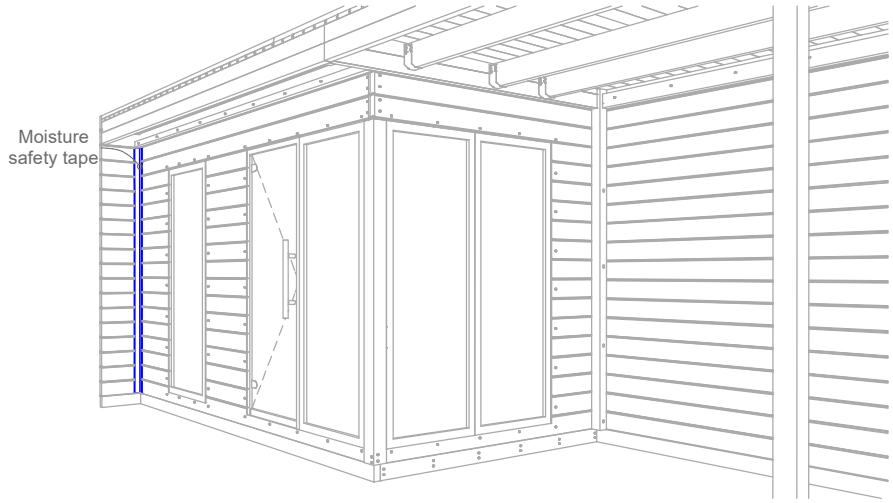


Scheme 7.1

7.2 For extra protection, tape all the outside corners of the sauna with moisture safety tape before installing exterior moldings (Scheme 7.2).



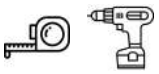




Scheme 7.2

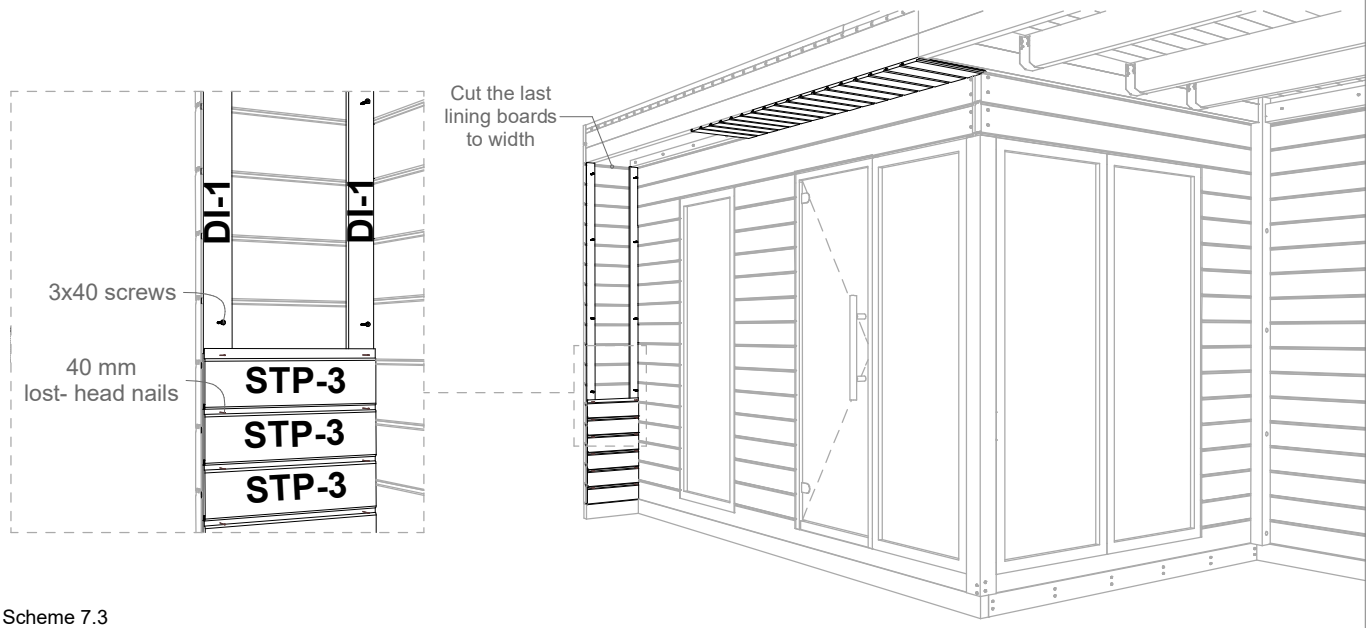
STEP 7 - Grid walls, outer lining and moldings

7.3 Measure the height of the protruding parts of the side walls and cut the DI-1 distance boards to the correct length if necessary. Attach the distance boards to the walls using 3x40 screws.



7.4 Install the STP-2 outer lining boards on top of the DI-1 distance boards and ceiling beams, starting from the bottom Cut the last lining board to the correct width. Use 40 mm lost-head nails for fastening (2 nails per board). See Scheme 7.3.





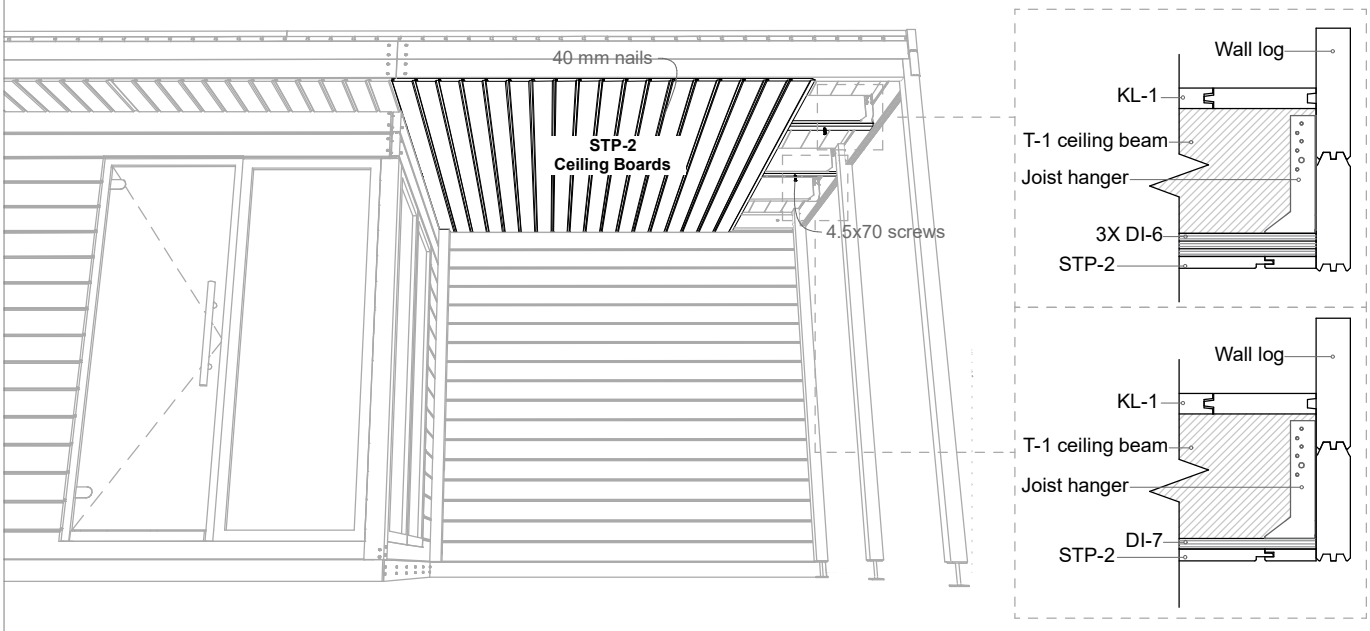
Scheme 7.3

7.5 Place the DI-6 and DI-7 distance veneers on the T-1 ceiling beams according to Scheme 7.4 and fasten them to the with 4.5x70 screws.



7.6 Install the ceiling lining boards on top of the distance boards. Use 40 mm lost-head nails (5 per every ceiling board) and a hammer or a nail gun for fixing. Cut the last ceiling board to width using a circular saw and make cutouts for the support posts with a hand saw (Scheme 7.4).

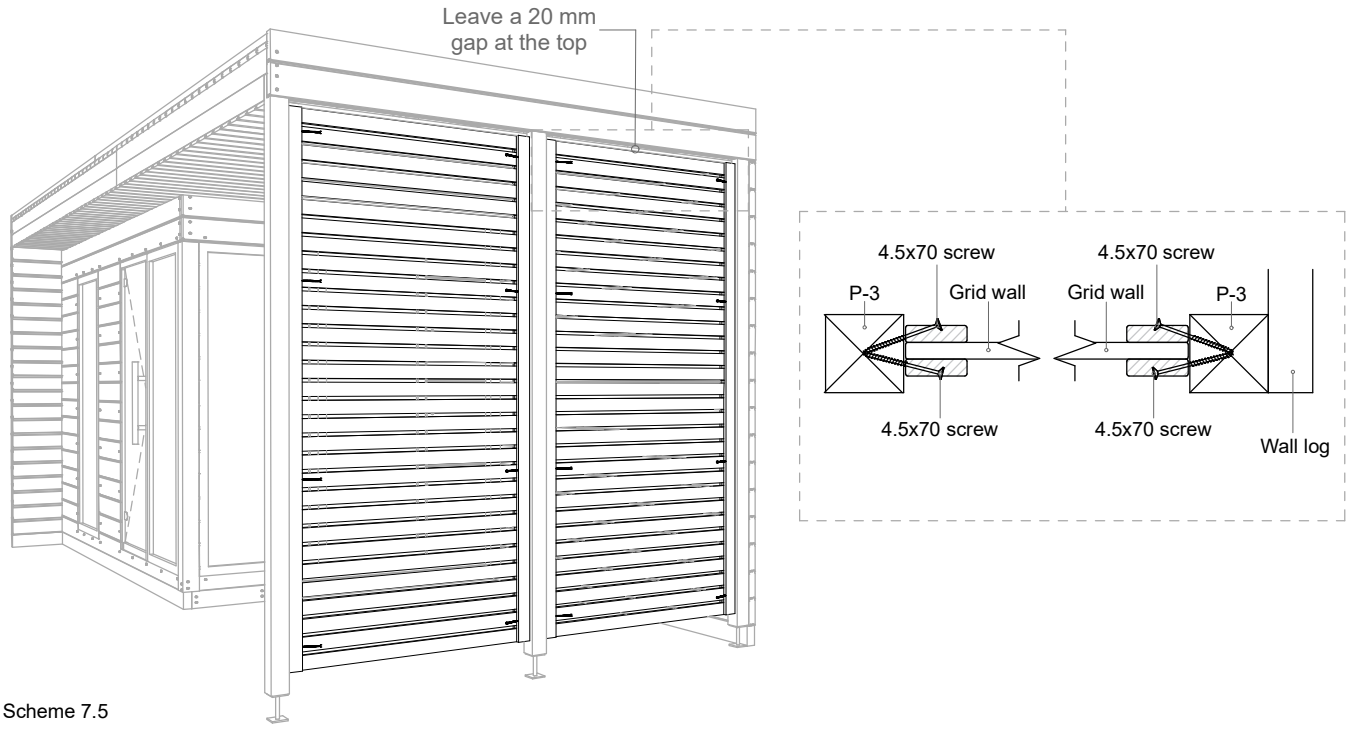




Scheme 7.4

STEP 7 - Grid walls, outer lining and moldings

7.7 Place the grid walls between the support posts. Leave a 20 mm gap at the top and fasten the grid walls to support posts with 4.5x70 screws as shown in Scheme 7.5.

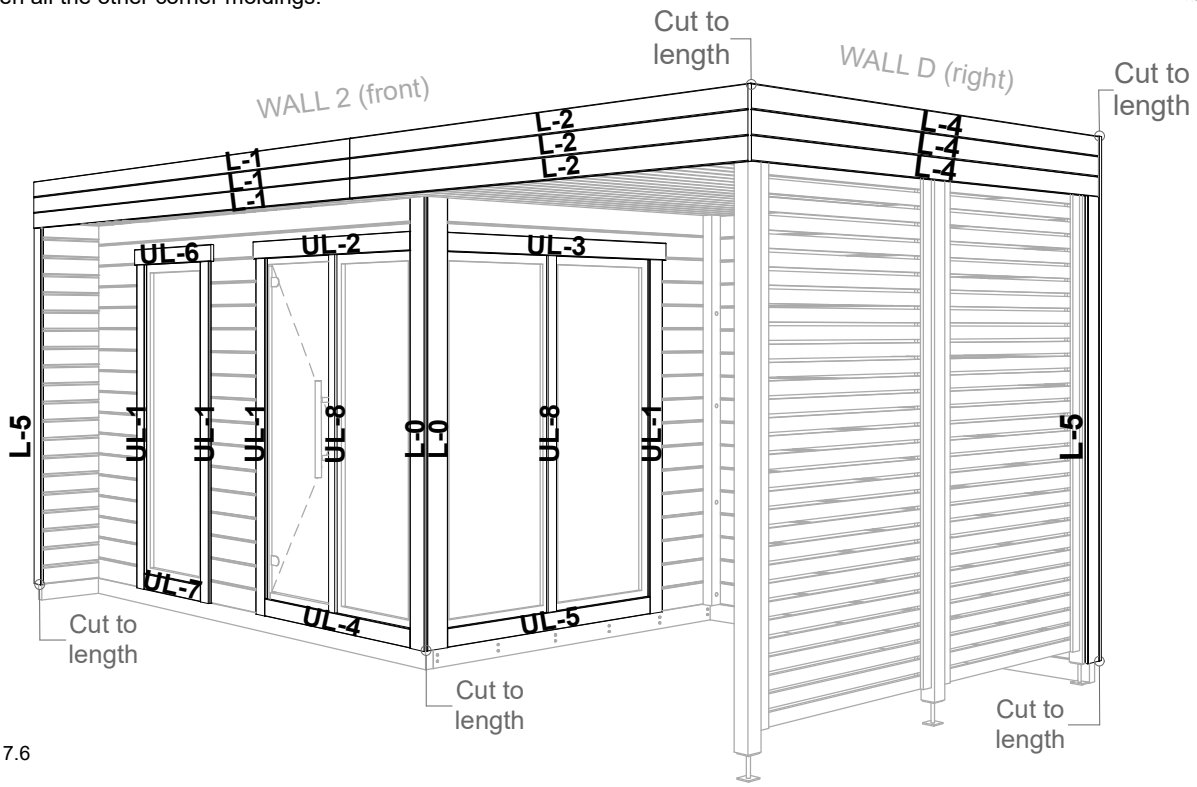


Scheme 7.5

7.8 First, fix the L-4 roof moldings to the side walls. The moldings must be installed flush with the upper edges of the side walls. Cut the moldings to length and fasten them with 3x40 black screws.

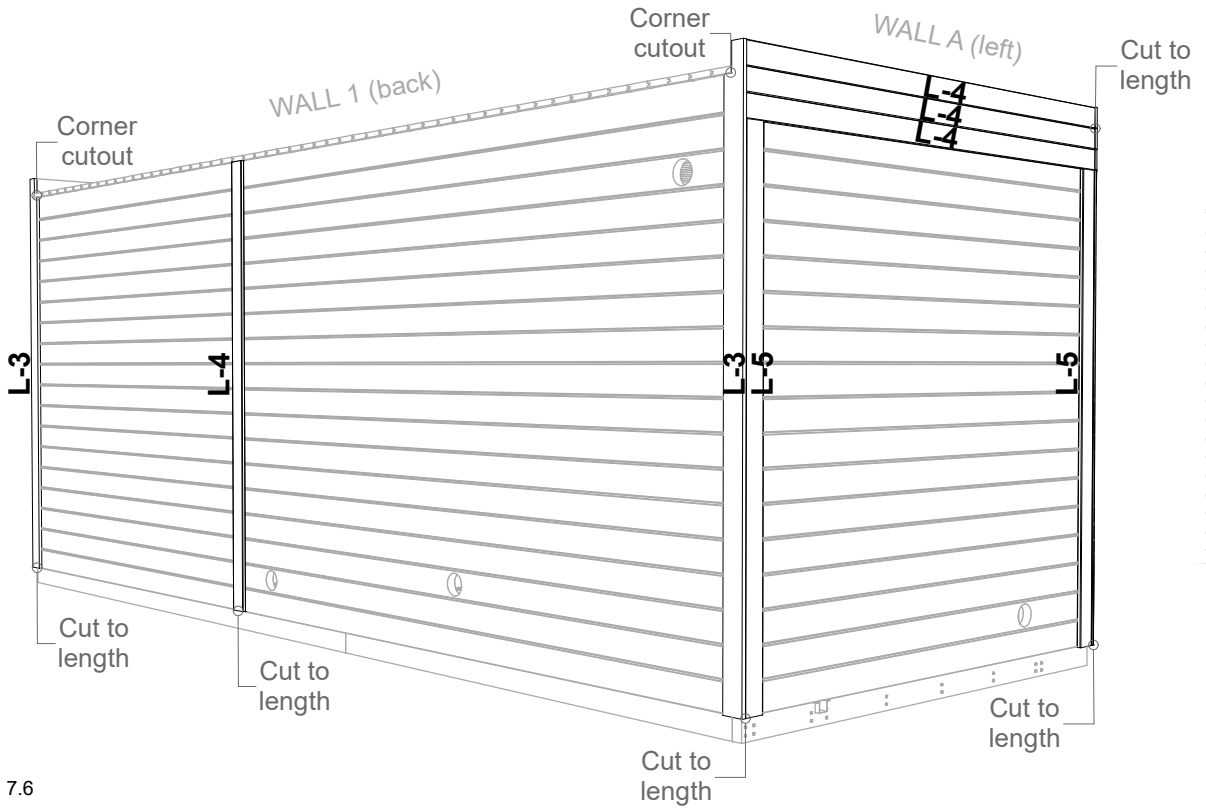
7.9 Next, fasten the L-1 roof moldings, measure and cut the L-2 roof moldings to length and fix them to the roof beams.

7.10 Make corner cutouts in L-3 corner moldings as marked in Scheme 6.3. Cut to length and use 3x40 black screws to fasten all the other corner moldings.



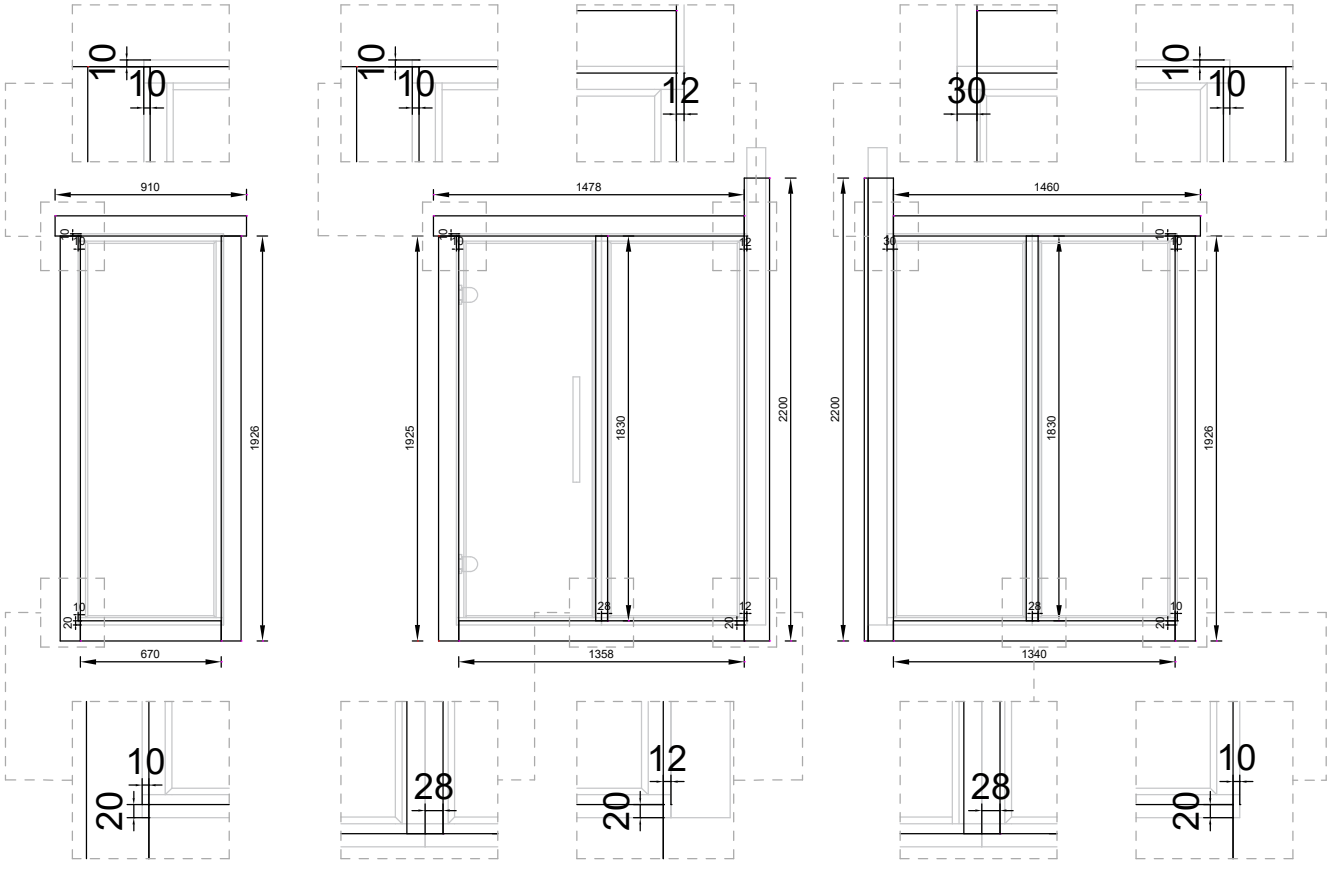
Scheme 7.6

STEP 6 - Outer lining and moldings



Scheme 7.6

7.11 Install the moldings around the door and windows using 3x40 black screws.
For the correct overlay, see Scheme 6.4.

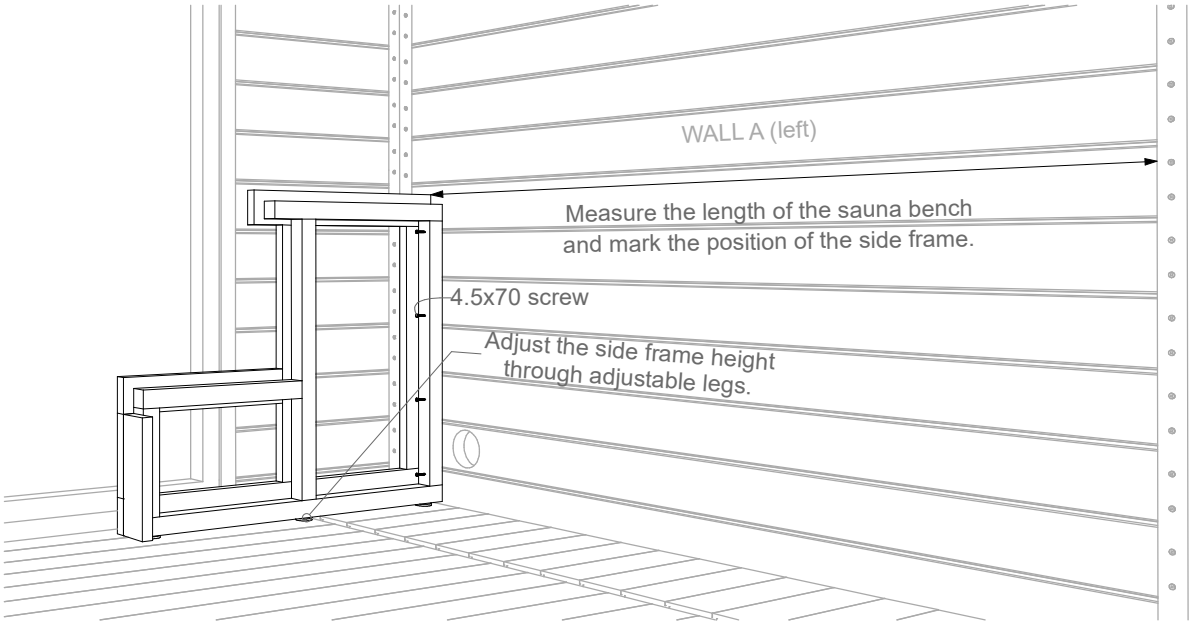


Scheme 7.7

7.12 Paint over the window frames from the outside and all cut ends of the moldings with black paint that is included with the sauna.

STEP 8 - Sauna benches

8.1 Measure the length of the sauna bench and mark the location of the vertical frame. Adjust the height of the side frame through the adjustable legs. Fix the frame to Wall A (left) using 4.5x70 screws, like shown in Scheme 8.1.

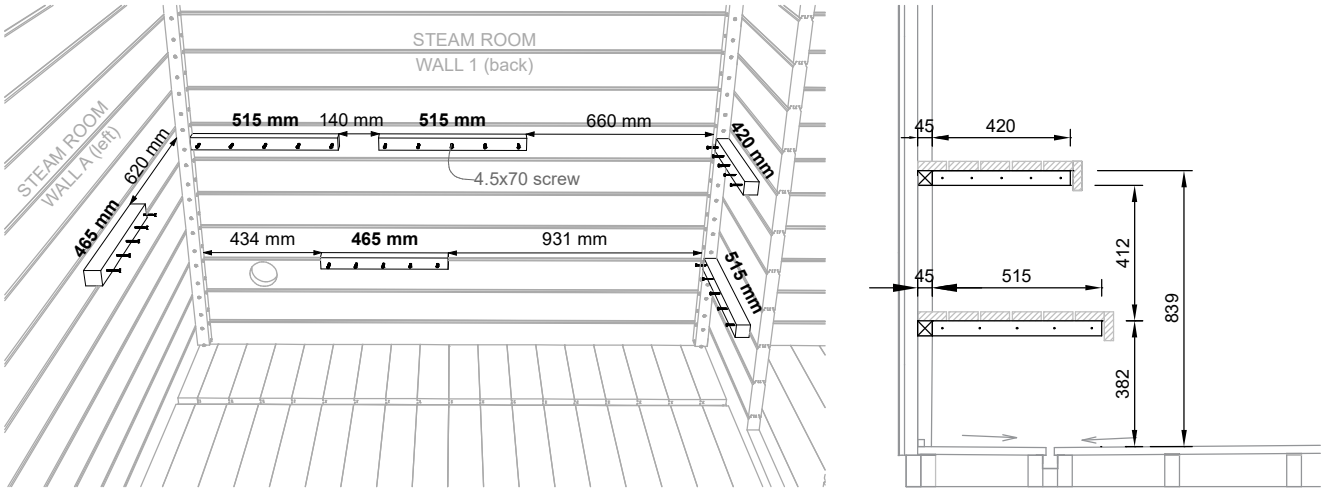


Scheme 8.1

8.2 Measure the distance and fix the upper and lower bench supports to the walls according to Scheme 8.2. Use 4.5x70 screws.
It is recommended to additionally use glue (not included) for fixing the sauna bench supports to the wall.

View from the front:

View from the side:

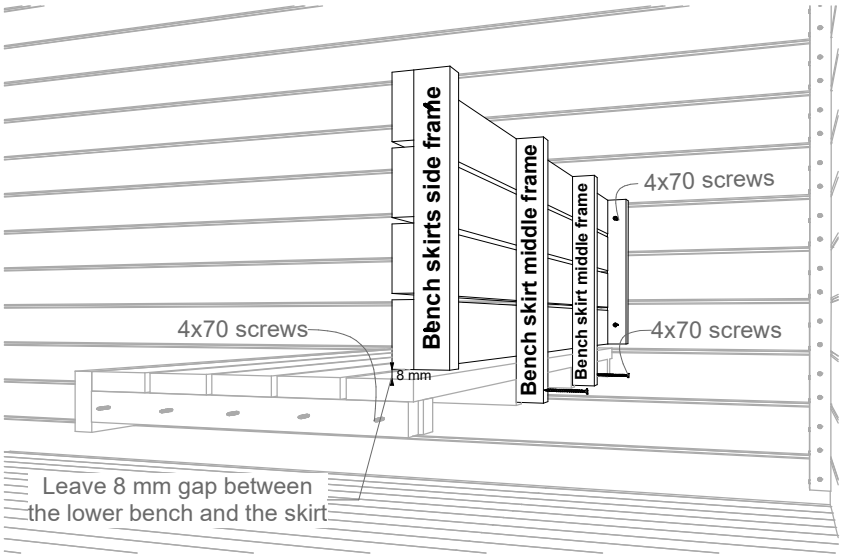


Scheme 8.2

STEP 8 - Sauna benches

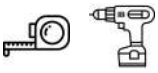
8.3 Lift and place the bottom benches on top of the supports. If LED lighting under the sauna benches has been ordered additionally (not included in the standard set), install the LED strips under the benches before placing them on top of the supports. More detailed instructions are included with the lighting details.

8.4 Set the bench skirt in place. Leave a 8 mm gap between the skirt and the lower bench. Fix the skirt side frames to the side wall and the side frame and the middle frame to the bottom bench, using 4x70 screws. See Scheme 8.3



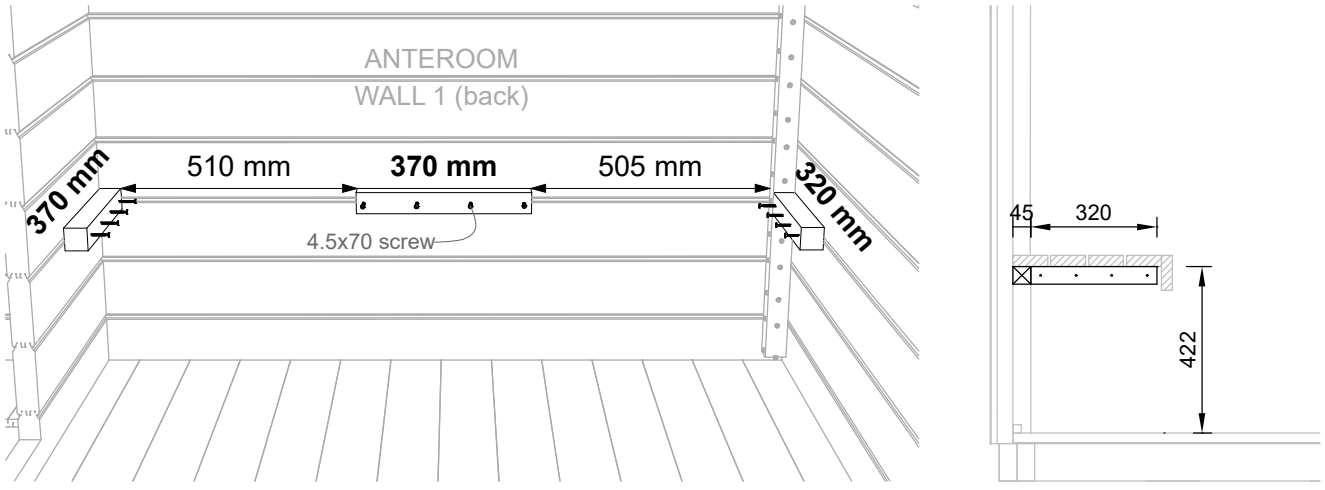
Scheme 8.3

8.5 Measure the distance and fix the bench supports to the walls in the anteroom, according to Scheme 8.4. Use 4.5x70 screws for fixing.
It is recommended to additionally use glue (not included) for fixing the sauna bench supports to the wall.



View from the front:

View from the side:



Scheme 8.4

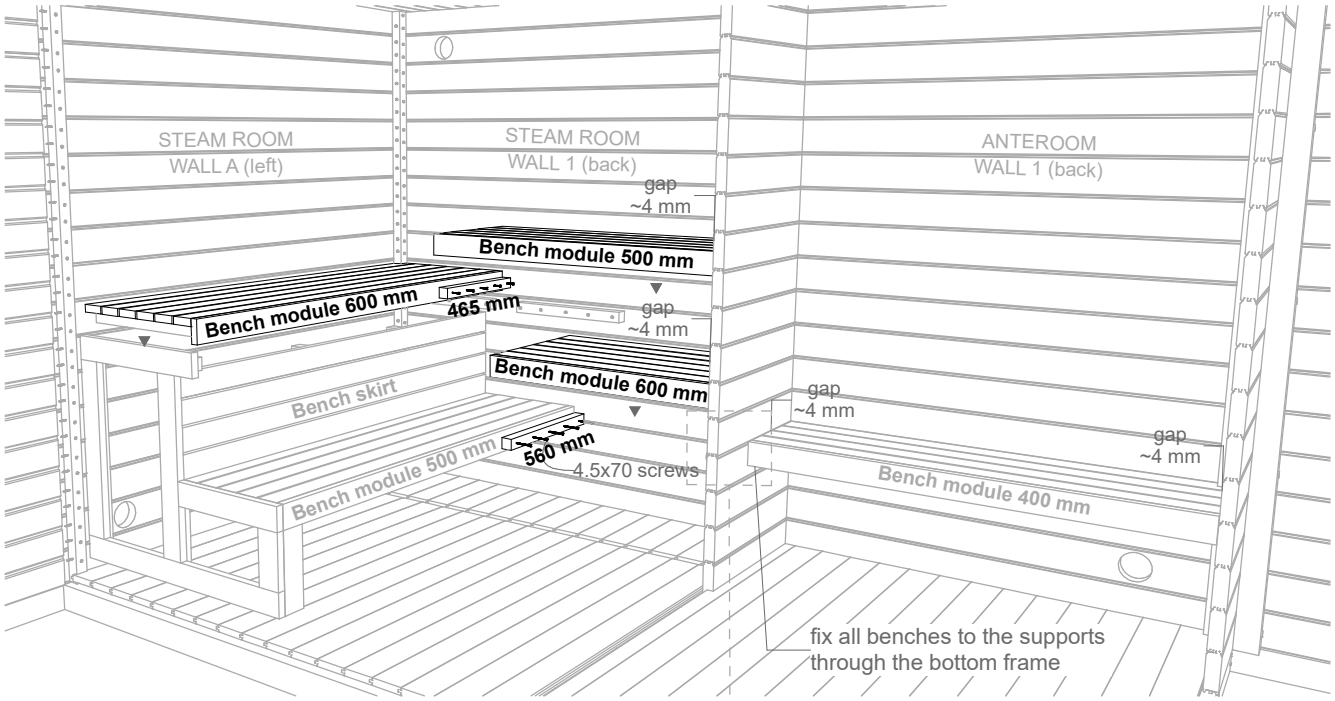
STEP 8 - Sauna benches

8.6 Attach the horizontal support for the back wall benches to the left wall benches using 4.5x70 screws.

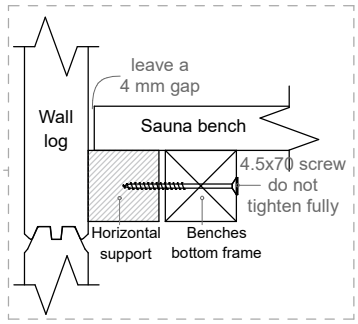


8.7 Lift and place the benches on top of the supports. Leave ~4 mm gap between the benches and the walls.
Fix all the benches to the supports through the bench's bottom frame, using 4.5x70 screws. Do not fully tighten the screws.
See Scheme 8.5.

8.8 If needed, place the extra vertical support under the top benches and fix it in place. Adjust the height of the support through the adjustible leg at the bottom.

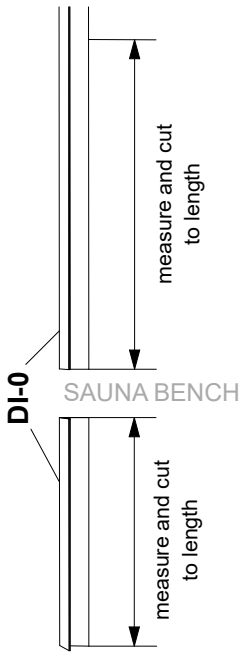


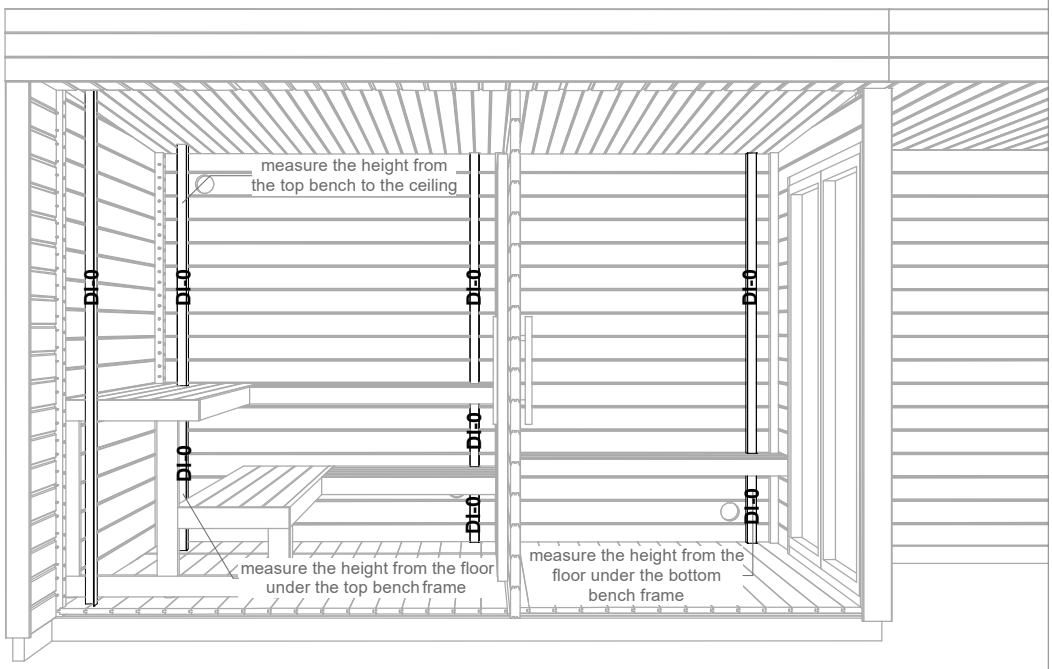
Scheme 8.5



STEP 9 - Interior moldings

9.1 Measure and cut to length all DI-0 corner post moldings with a handsaw.
Install DI-0 corner molding on top of the corner posts, under, between, and above the sauna benches like shown in Scheme 9.1. Fasten the moldings with 40 mm lost-head nails, using a nail gun or a hammer.



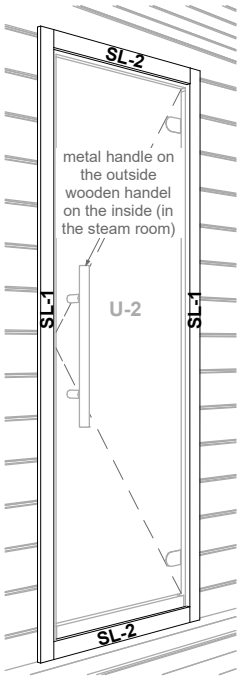


Scheme 9.1

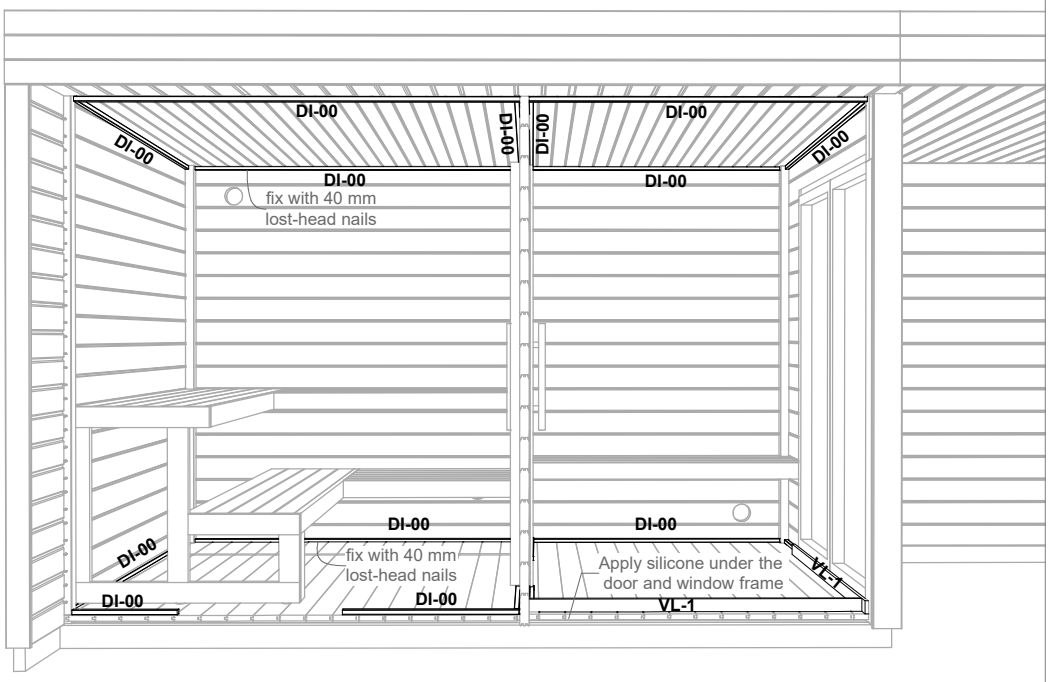
9.2 Install the interior door moldings around the U-2 door in the anteroom with 40 mm lost-head nails. Scheme 9.2.

9.3 Seal the gap under the exterior door with silicone and fasten the VL-1 molding on the inside using 40 mm lost-head nails (Scheme 9.3).

9.4 Measure and cut to length all DI-00 ceiling and floor moldings and fasten them with 40 mm lost- head nails. Use a nailgun or a hammer (Scheme 9.3).



Scheme 9.2



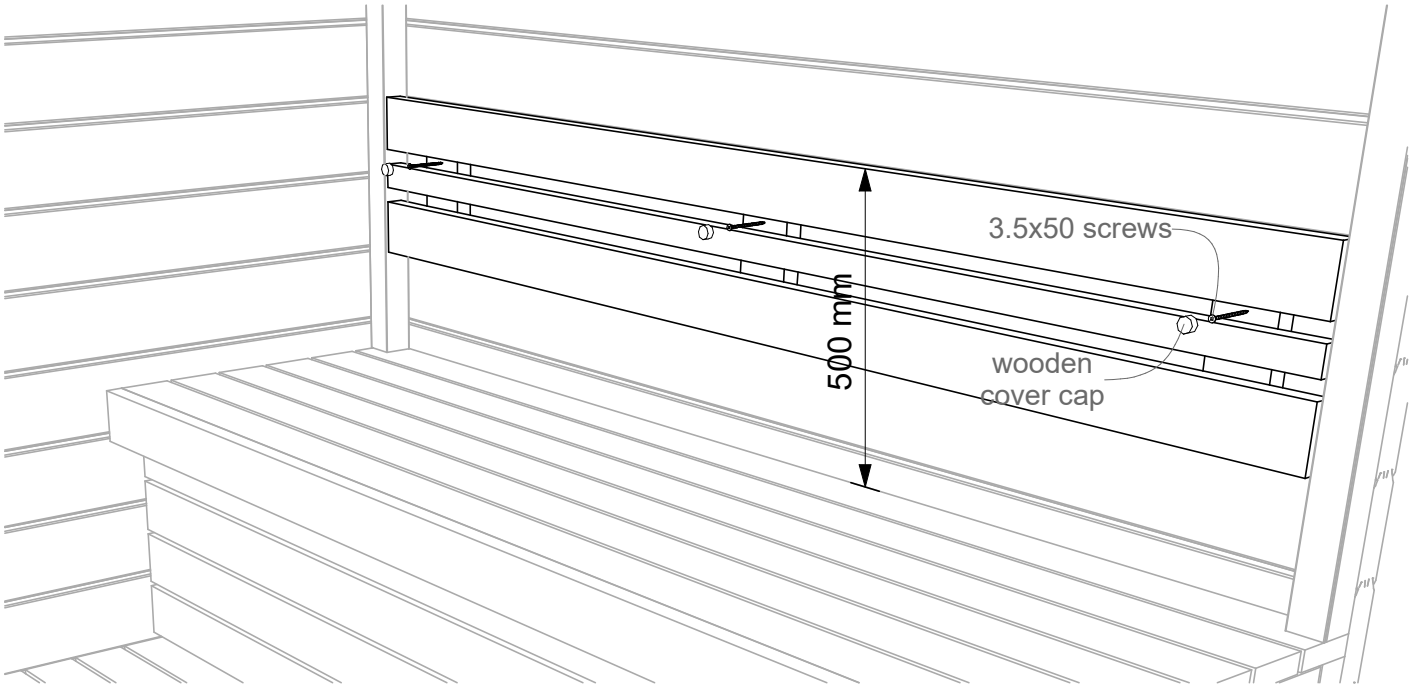
Scheme 9.3

EXTRA: Sauna Backrest *(not included in the standard set)*

Install the back rest approximately 500 mm higher from the top bench.

Use 4x40 screws to fix the back rest in place and cover the screw heads with wooden cover caps.

It is recommended to additionally use glue to fix the back rest to the wall.



STEP 10 - Roof covering and roofing sheets

10.1 Measure the overall width of the sauna and cut the metal drip edge to that length minus 2 mm using sheet metal scissors. Remember to wear gloves for protection while cutting.

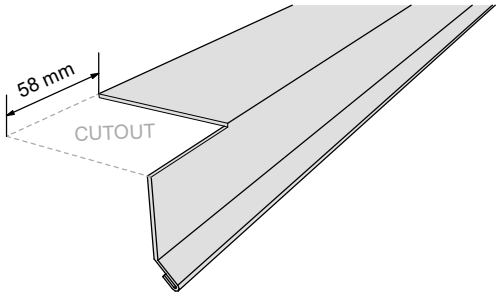


10.2 Measure and mark 58 mm on the top side of the drip edge at both ends, then cut out these marked sections as shown in Scheme 10.1.

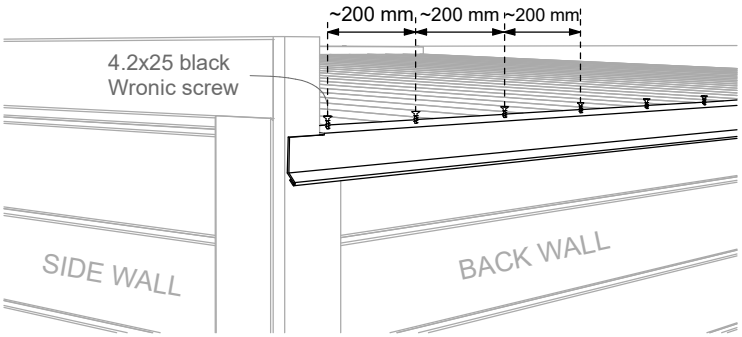
10.3 Place the drip edge on top of the roof boards and secure it using 4.2x25 black Wronic screws. Space the screws approximately 200 mm apart, as shown in Scheme 10.2.



Back wall metal drip edge:



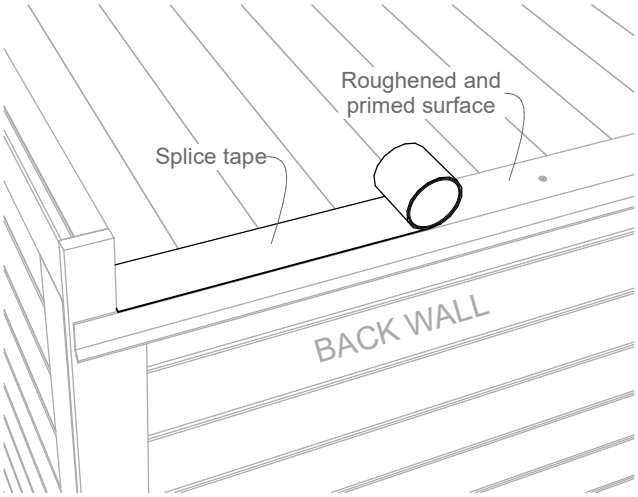
Scheme 10.1

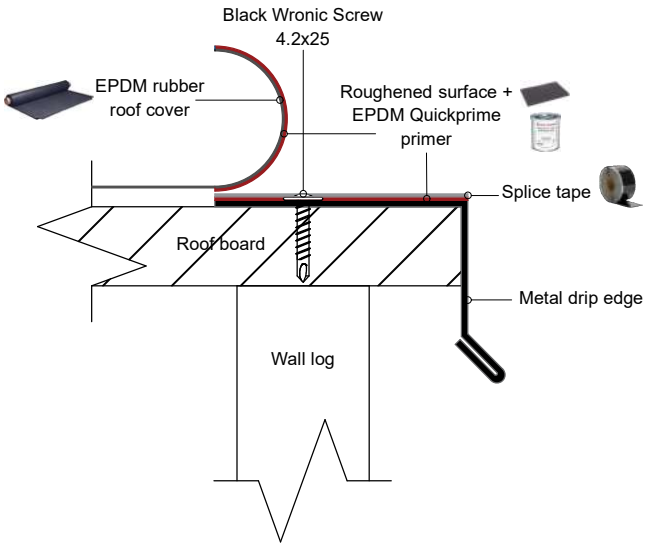


Scheme 10.2

10.4 Roughen the upper surface of the drip edge with a sanding pad, then apply EPDM Quickprime primer on top. Cut the double-sided splice tape to length, remove the cover from one side, and place it on the primer-coated drip edge. Do not remove the cover from the top side of the tape at this stage!







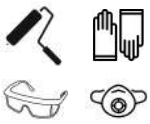
Scheme 10.3

STEP 10 - Roof covering and roofing sheets



10.5 Clear the roof of all debris and fasteners, and thoroughly clean the surface to eliminate dirt, dust, ice, snow, water, and any other contaminants.

10.6 Before and during installation, check the packaging and EPDM roll for any damage. Position the rubber roof cover carefully, ensuring it is parallel to the walls and extends evenly on both sides of the sauna.



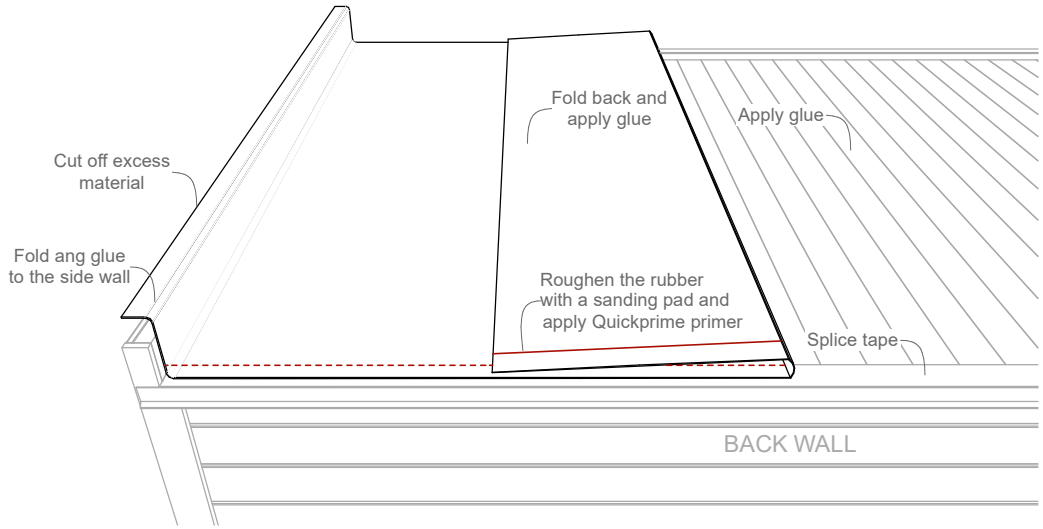
10.7 Fold back half of the roof cover and begin applying glue to both the roof boards and the rubber. Leave approximately 10 cm of the back wall without glue to allow for attachment to the splice tape later. Do not apply glue to the side walls at this stage; that section will be glued later. Always work in a well-ventilated area and wear gloves, safety goggles, and a respirator for safety (Image 2).



10.8 ATTENTION! Wait until the glue is dry to the touch on both surfaces (approximately 15 minutes or longer) before folding the rubber back into place. Allowing adequate waiting time is crucial to prevent bubbling in the rubber once it is set.

10.9 Turn the glue-coated rubber onto the prepared roof boards and smooth it out with a broom or brush, ensuring that no wrinkles or bubbles form. Repeat this process with the other half of the roof cover, and then glue the rubber to the side walls.

10.10 Roughen the rubber at the back wall using a sanding pad, then apply EPDM Quickprime primer on top. Remove the top cover from the double-sided splice tape and press the primed rubber onto it. Trim any excess material from all sides using scissors (see Scheme 10.4).



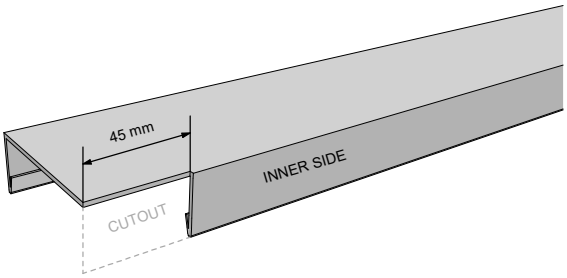
Scheme 10.4



10.9 Measure the overall depth of the sauna, add 160 mm to that measurement, and then cut the side wall roofing sheets to length using sheet metal scissors. Be sure to wear gloves for protection while cutting.

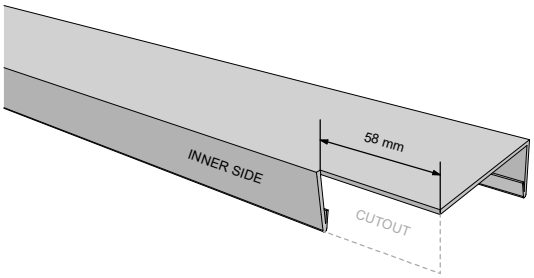
10.10 At the rear end, cut off 45 mm from the inner side of the roofing sheet as shown in Scheme 10.5. At the front end, cut off 58 mm from the inner side of the roofing sheet as indicated in Scheme 10.6.

Side wall roofing sheet (rear end):



Scheme 10.5

Side wall roofing sheet (front end):



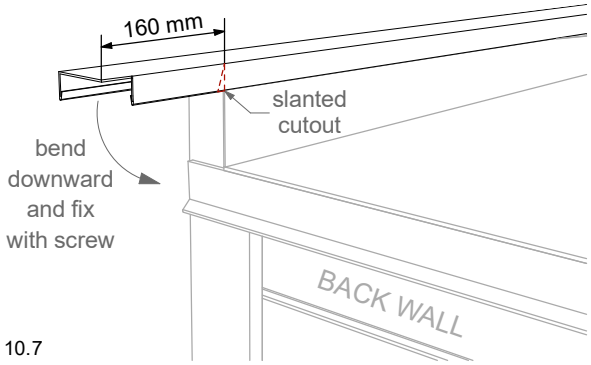
Scheme 10.6

STEP 10 - Roof covering and roofing sheets

10.11 Install both side wall roofing sheets in place. Measure 160 mm at the rear end and make a slanted cutout. Use pliers to bend the end downward and secure it with a 4.8x25 roofing screw (see Scheme 10.7).

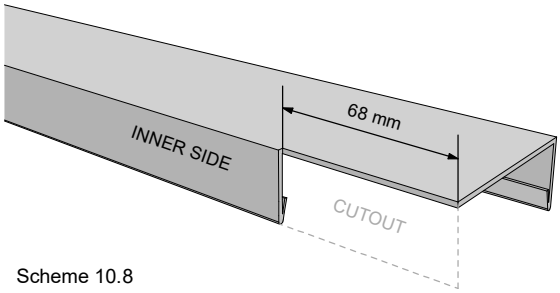


10.12 Measure the overall width of the sauna and cut the front wall metal roofing sheet to length. Cut off 68 mm from the inner side of the front wall roofing sheet at both ends, as shown in Scheme 10.8.



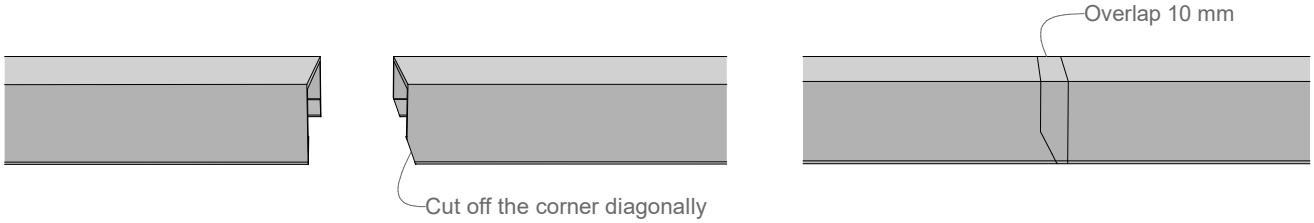
Scheme 10.7

Front wall roofing sheet:



Scheme 10.8

10.12 If the front wall sheet consists of two parts, align the sheets by overlapping them by 10 mm, as shown in Scheme 10.9.

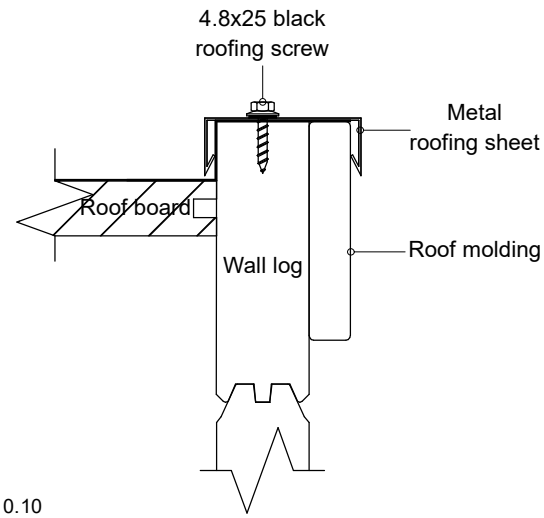


Scheme 10.9

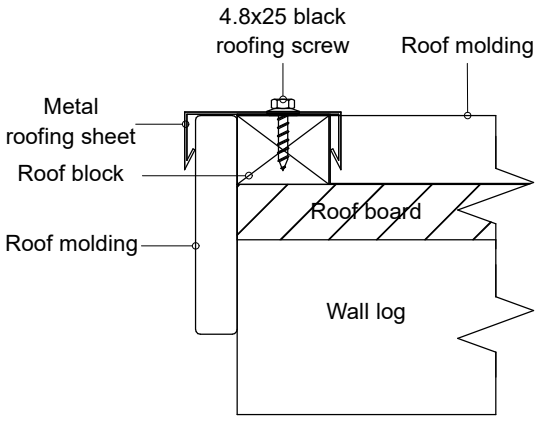
10.12 Secure all the roofing sheets to the side walls and the roof block at the front using 4.8x25 black roofing screws. Space the screws approximately 300 mm apart, as shown in Scheme 10.10.



Side wall metal roofing sheet:



Front wall metal roofing sheet:



Scheme 10.10

Congratulations on a job well done!

You've successfully completed the installation and will soon be able to enjoy your new sauna.

Before your first use, please take a moment to read the maintenance and warranty guide, and make sure to complete the necessary actions. Enjoy your relaxing sauna experience!

Sauna Treatment and Maintenance Instructions

Before First Use:

Treat all interior surfaces, including walls, ceilings, door frames, thresholds, and window frames in both the steam room and anteroom, with a protective wood solution.
This treatment protects the wood from humidity and dirt and improves durability.

Benches and Footrests:

Treat with a protective oil such as **Tikkurila Supi Laudesuoja** or a similar locally available product. Repeat once or twice a year to maintain the wood's condition and appearance.

Interior Surfaces:

Before first use, and annually thereafter, treat the walls, ceilings, door frames, thresholds, window frames, and floors. We recommend using one of the following products for this purpose, but you may substitute them with an available alternative:

Teknos Satu Saunasoja
Tikkurila Satu Saunasoja

These products help maintain the wood's appearance and protect against moisture and heat.

For complete protection of all interior sauna surfaces, including the benches, you can use **Tikkurila Supi Sauna Wax** or a similar locally available product.

Exterior Surfaces:

Apply the first protective coating to all exterior wooden surfaces immediately after installation. Reapply after about two months to protect against UV damage and weathering. Regular maintenance is essential for long-term durability. Maintenance frequency depends on the coating product used.

Please note that the seller is not responsible for any damage caused by insufficient or neglected maintenance.

Warranty

The products come with a 24-month warranty period covering material and production defects, effective from the delivery of the sauna to the client.

The warranty is valid only if the user has reviewed and follows the user manuals. It does not cover natural characteristics of wood, such as discoloration or cracks resulting from fluctuating or excessive humidity.

Additionally, the warranty does not cover normal wear and tear or any damage caused by incorrect installation or use. Damage resulting from thunder or other weather phenomena is also excluded.

The warranty will be voided if attempts are made to change or fix the product independently, or if it is not used for its intended purpose. Improper storage conditions will also void the warranty.

To ensure the warranty remains valid, the buyer must inform the seller of any defects within a reasonable timeframe (7 days).