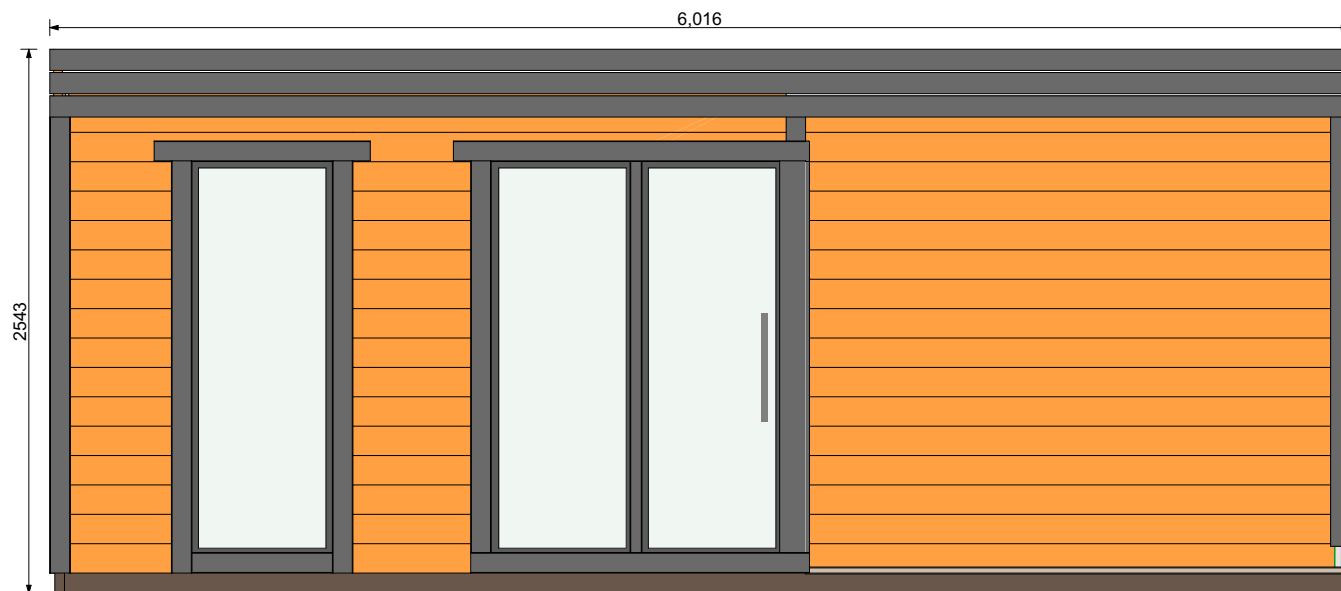
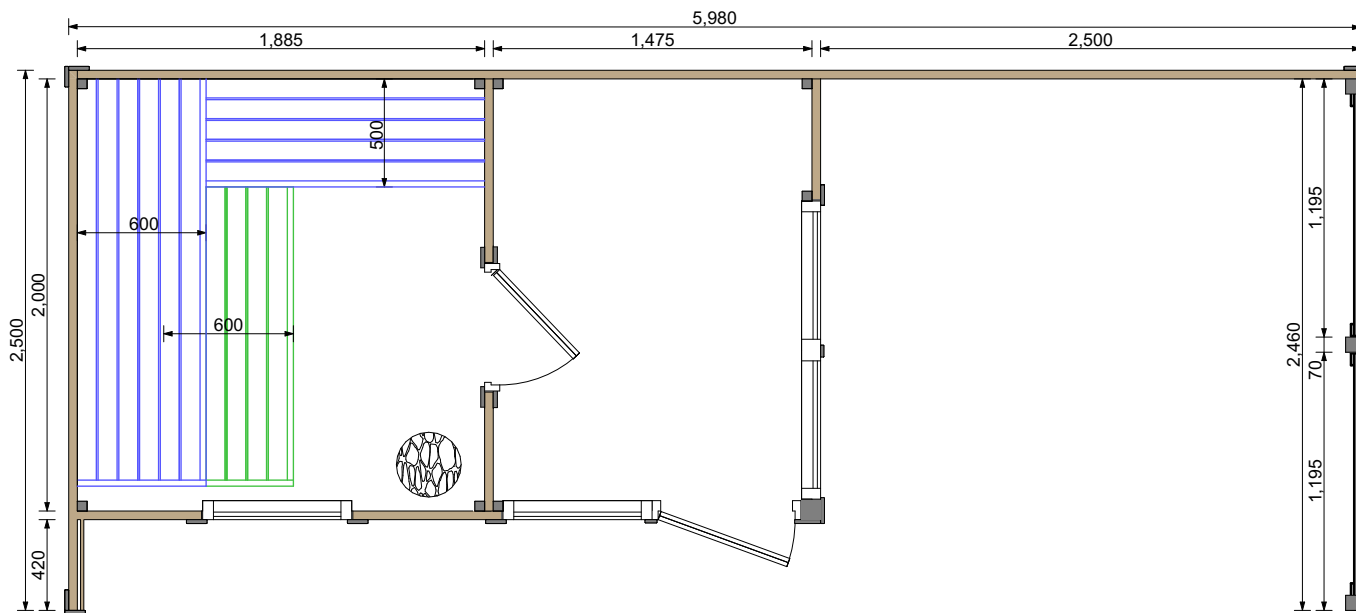


Patio L Plus Sauna





Patio L PLUS

Nr:

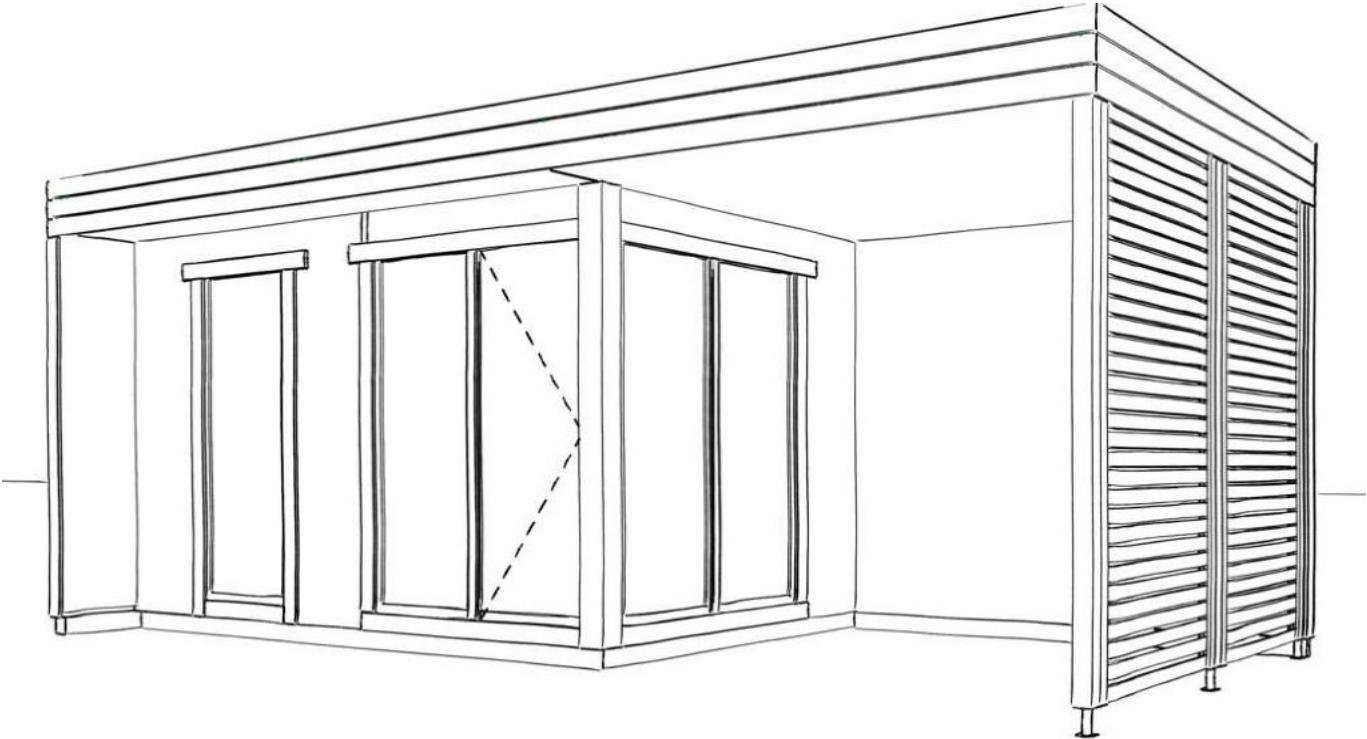
Model:

Client:

Project:

Extras:

Marking		Patio L PLUS	Lenght	pcs	
P-1	90x90 POST		2422	1	
P-2	70x70 POST		2307	2	
P-3	70x70 POST		2283	1	

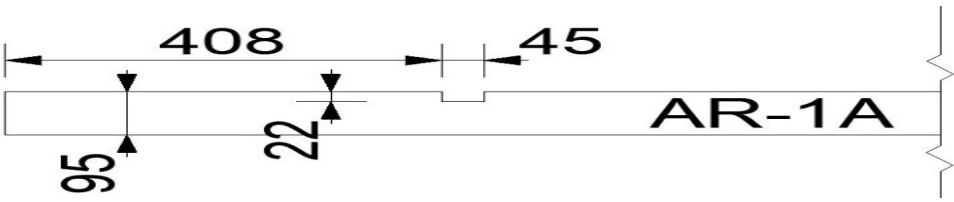


PATIO L PLUS

WALL LOGS

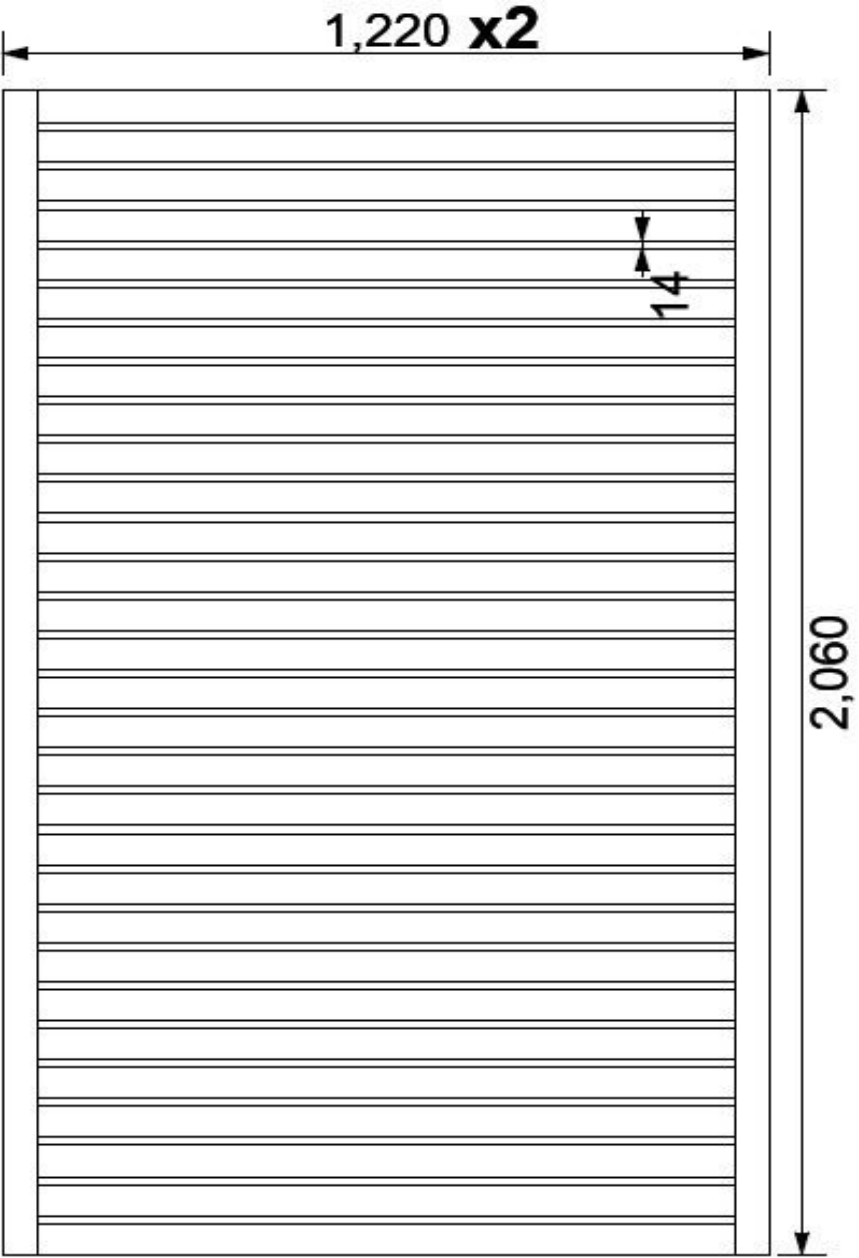
Marking		Note	length	pcs	
01	40x146 WALL LOG		5940	16	
EXTRA	40x146 WALL LOG		5940	1	
BLOCK	40x146 WALL LOG	<i>Block 40x30 for roof</i>	5940	1	
01B	40x146 WALL LOG	<i>Width 136 (drawing)</i>	5940	1	
02	40x146 WALL LOG		3440	1	
02C	40x146 WALL LOG	<i>Window cutout</i>	3440	1	
03C	40x146 WALL LOG	<i>Window cutout</i>	3350	1	
04	40x146 WALL LOG		2500	17	
04B	40x146 WALL LOG	<i>Width 136 (drawing)</i>	2500	2	
05	40x146 WALL LOG		2460	3	
05C	40x146 WALL LOG	<i>Roof Gable</i>	2460	2	
06	40x146 WALL LOG		2040	1	
06C	40x146 WALL LOG	<i>Window cutout</i>	2040	1	
07	40x146 WALL LOG		2000	1	
07C	40x146 WALL LOG	<i>Window cutout</i>	2000	1	
07D	40x146 WALL LOG	<i>Window cutout</i>	2000	1	
08C	40x146 WALL LOG	<i>Window cutout</i>	1950	1	
09	40x146 WALL LOG		1885	1	
09B	40x146 WALL LOG	<i>Width 68 (drawing)</i>	1885	1	
10	40x146 WALL LOG		1475	1	
10B	40x146 WALL LOG	<i>Width 68 (drawing)</i>	1475	1	
11	40x146 WALL LOG		650	26	
12	40x146 WALL LOG		630	26	
13	40x146 WALL LOG		560	13	
	Hitting block			2	

Cutout drawings in seperate page

PATIO L PLUS					
FLOOR FRAME 45x95					
Marking		Note	length	pcs	
AR-1A	45x95 FLOOR FRAME	Cutout	5975	1	
					
AR-2	45x95 FLOOR FRAME		3425	1	
AR-3	45x95 FLOOR FRAME		2450	1	
AR-4	45x95 FLOOR FRAME		1980	14	
AR-5	45x70 FLOOR FRAME	45x70	1980	1	
Roof board, floor board 24x120					
Marking		Note	length	pcs	
KL-1	24x120 ROOF BOARD		2527	53+2	
PL-1	24x120 FLOOR BOARD		1472	18	
PL-2	24x120 FLOOR BOARD		1465	18	
PL-3	24x120 FLOOR BOARD		378	18	
LINING BOARDS (14x121)					
STP-1	14x121 OUTSIDE CEILING LINING BOARDS		2460	23+2	
STP-2	14x121 SAUNA- AND DRESSING ROOM LINING BOARDS		1995	31	
STP-3	14x121 OUTSIDE WALL AND CEILING BOARDS		420	51	

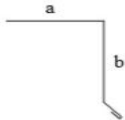
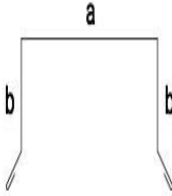
PATIO L PLUS					
BEAMS 45x145, 45x95, 45x45					
Marking		Note	length	pcs	
T-1	45x145 BEAM		2455	3	
T-2	45x145 BEAM		1880	2	
T-3	45x145 BEAM		1470	2	
T-4	45x95 BEAM		2455	1	
T-5	45x95 BEAM		1880	1	
T-6	45x95 BEAM		1470	1	
T-7	45x45 FRAME FOR OUTSIDE LINING BOARDS		2430	2	
NP-1	45x45 CORNER POST		2380	2	
NP-2	45x45 CORNER POST		2310	3	
UR-1	45x45 WINDOW/ DOOR FRAME		1950	2	
T-8	45x45 FRAME FOR OUTSIDE LINING BOARDS		1885	2	
T-9	45x45 SAUNA ROOM CEILING FRAME		1840	1	
T-10	45x45 SAUNA ROOM CEILING FRAME		1795	1	
T-11	45x45 FRAME FOR OUTSIDE LINING BOARDS		1475	2	
T-12	45x45 DRESSING ROOM CEILING FRAME		1385	1	
T-13	45x45 DRESSING ROOM CEILING FRAME		1380	1	
UR-2	45x45 DOOR/ WINDOW FRAME		1380	4	
T-14	45x45 STICKS FOR ROOF MOULDINGS		175	10	

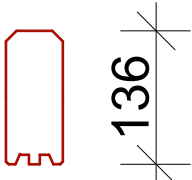
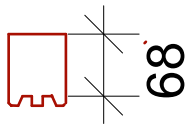
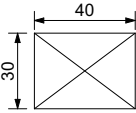
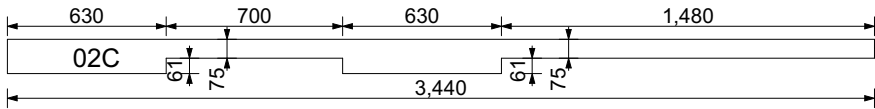
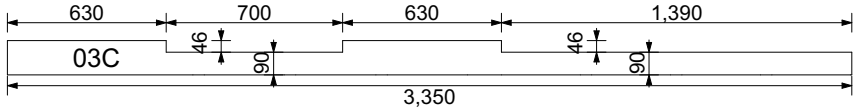
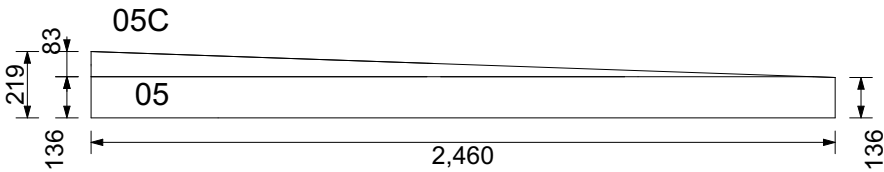
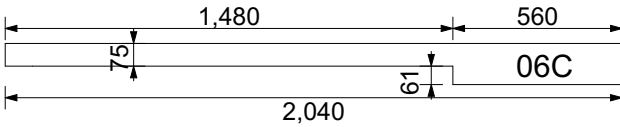
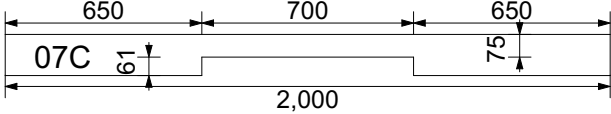
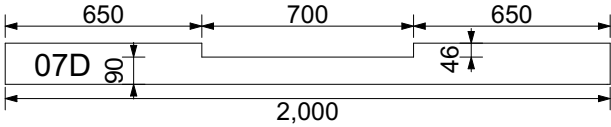
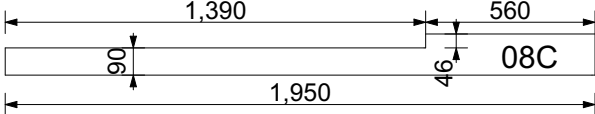
PATIO L PLUS					
MOULDINGS (18x120; 28x95; 18;95; 15x55; 45x45)					
Marking		Note	length	pcs	
L-0	18x120 DOOR/ CORNER MOULDING		2200	2	
DI-0	28x95 DISTANCE BOARD FOR OUTSIDE CEILING LINING BOARDS		2460	3	
L-1	18x95 ROOF MOULDINGS		5980	3	
L-2	18x95 ROOF MOULDINGS		2520	6	
L-3	18x95 CORNER MOULDING	Cut to lenght	2480	2	
L-4	18x95 CORNER MOULDING	Cut to lenght	2180	4	
UL-1	18x95 DOOR MOULDING		1830	2	
UL-2	18x95 DOOR MOULDING		1540	2	
UL-3	18x95 DOOR MOULDING		1460	2	
EXTRA	15x55 TEMPORARY SUPPORTS/ EXTRA DISTANCE BOARDS		~2.2	5	
DI-5	15x55 BASE- AND CEILING BOARDS		~2.2	11+2	
DI-1	15x55 DISTANCE BOARD FOR WALL LINING BOARDS		2150	2	
DI-2	15x55 DISTANCE BOARD FOR SAUNA CEILING		1880	2	
DI-3	15x55 DISTANCE BOARD FOR SAUNA CEILING		1835	1	
UL-4	15x55 DOOR MOULDING		1830	2	
DI-4	15x55 DISTANCE BOARD FOR SAUNA CEILING		1790	1	
DI-5	45x45 CORNER MOULDING		~2.2	5+1	

PATIO L PLUS					
GRID WALL, WATER DRAINAGE DETAIL					
VS-1	GRID WALL 1120x1990			2	
		15x55	2060	4	
		15x55	1120	30	
					
VR-1	VEERENN (VÄLJUND KESKEL)		2000+	1	

PATIO L PLUS					
EXTRA					
	SLOPE DETAIL UNDER FLOOR BOARD 3MM		1990	2	
	SLOPE DETAIL UNDER FLOOR BOARD 6MM		1990	1	
	SLOPE DETAIL UNDER FLOOR BOARD 9MM		1990	1	
	SLOPE DETAIL UNDER FLOOR BOARD 12MM		1990	1	
SAUNA BENCHES, etc...					
	SAUNA BENCH 600x1874			1	
	SAUNA BENCH 600x1874			1	
	SAUNA BENCH 500x1284			1	
	BACK REST 266x1845			1	
	BACK REST 266x1845			1	
	BENCH SKIRT 1874x376			1	
	BENCH SKIRT 1447x376			1	
	BENCH SUPPORTS SET 45x45			1	
	BENCH SIDE FRAME 1000x829 + M10 adjustable legs 3TK			1	
	VERTICAL SUPPORT + ADJUSTABLE LEG M10	800+M10		1	
	SPU INSULATION 30x600x1200			6	
	FOIL TAPE			1	
DOORS, WINDOWS					
U-1	GLASS DOOR 88x690x1860 BRONZE PREMIUM HANDLE	WITHOUT FRAME		1	
U-2	GLASS DOOR 88x690x1860 BRONZE PREMIUM H	+FRAME		1	
A-1	WINDOW 88x690x1860 BRONZE	WITHOUT FRAME		3	
A-2	WINDOW 88x690x1860 BRONZE	+FRAME		1	
U-2	18x95 SAUNA DOOR MOULDING	1 set	1900	2	
	18x95 SAUNA DOOR MOULDING		790	1	
	15x55 SAUNA DOOR MOULDING		560	1	
A-2	18x95 SAUNA WINDOW MOULDING	1 set	1900	1	
	18x95 SAUNA WINDOW MOULDING		790	1	
	15x55 WINDOW MOULDING		560	1	

PATIO L PLUS					
<i>SCREWS, NAILS ...</i>					
	JOIST HANGER 45x123			14	
	JOIST HANGER 45x97			6	
	SLIDING BRACKET 35x35x130 FOR GRID WALL			6	
	WASHER M5 FOR GRID WALL			6	
	POST HEIGHT ADJUSTMENT			3	
	SCREW 120 FOR CORNER WINDOW			10	
	SCREW 5x40 JOIST HANGERS			250	
	SCREW 6x180 EVERY WALL LOG ROW			300	
	SCREW 5x90 FOR FLOOR FRAME			200	
	SCREW 4.5x70 WALLS AND SAUNA BENCHES			500	
	SCREW 4,2x55 ROOF MOULDINGS			200	
	SCREW 3x40 DOOR- AND WINDOW MOULDINGS			100	
	SCREW 3.5x50 FLOOR BOARDS			300	
	NAIL 40 LINING BOARDS			700	
	NAIL 70 ROOF BOARDS			600	
	VENTILATION LOUVER D100			2	
	VENTILATION GRID D100 METAL			4	
	METAL ANGLE BRACKET 40x40x40 FOR SAUNA BENCH			1	

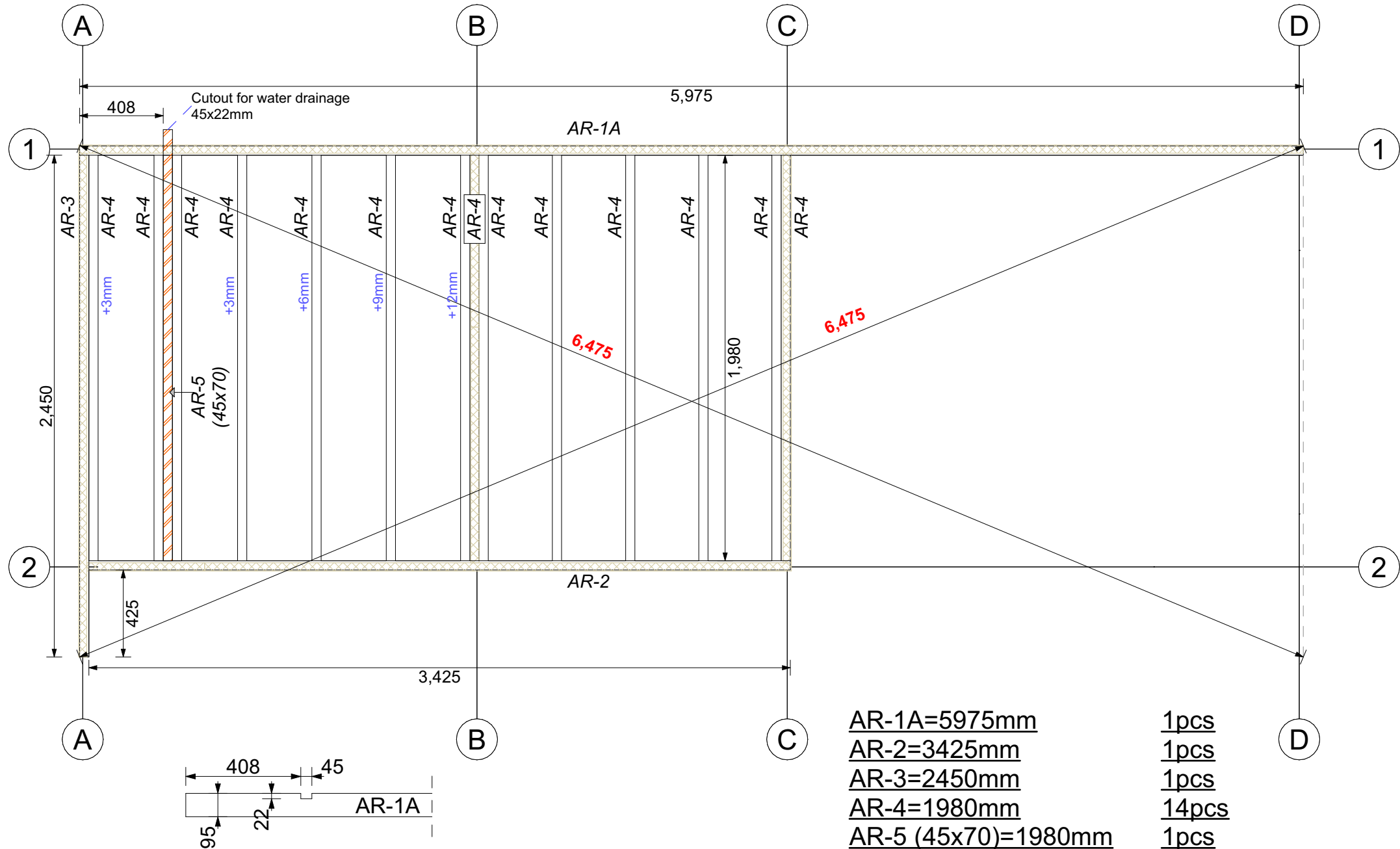
PATIO L PLUS					
ROOF COVER EPDM (5.9x2.5m)					
	SCREWS FOR METAL ROOFING SHEETS		100	pcs	
	4.2x25 FOR ROOF BACK PROFILE		30	pcs	
	EPDM ROOF COVER 3.05x6.3		19.2	m2	
	EPDM GLUE 2,5L		2	pcs	
	EPDM QUICKPRIME (Little container)		1	pcs	
	EPDM SPLICE TAPE		6	jm	
	PAINT ROLLER+ HANDLE		1	pcs	
	METAL ROOFING SHEET		2	pcs	
	METAL ROOFING SHEET		2700	2	
	METAL ROOFING SHEET		3000	2	

	01B	1pcs	5940	 	PATIO L PLUS <i>Cutout drawings:</i>
	04B	2pcs	2500		
	09B	1pcs	1885		
	10B	1pcs	1475		
	Block	1pcs	5940		
	02C	1pcs	3440	 Cutout 61mm	
	03C	1pcs	3350	 Cutout 46mm	
	05C	2pcs	2460	 Roof Gable front height 219mm	
	06C	1pcs	2040	 Cutout 61mm	
	07C	1pcs	2000	 Cutout 61mm	
	07D	1pcs	2000	 Cutout 46mm	
	08C	1pcs	1950	 Cutout 46mm	

Floor frame

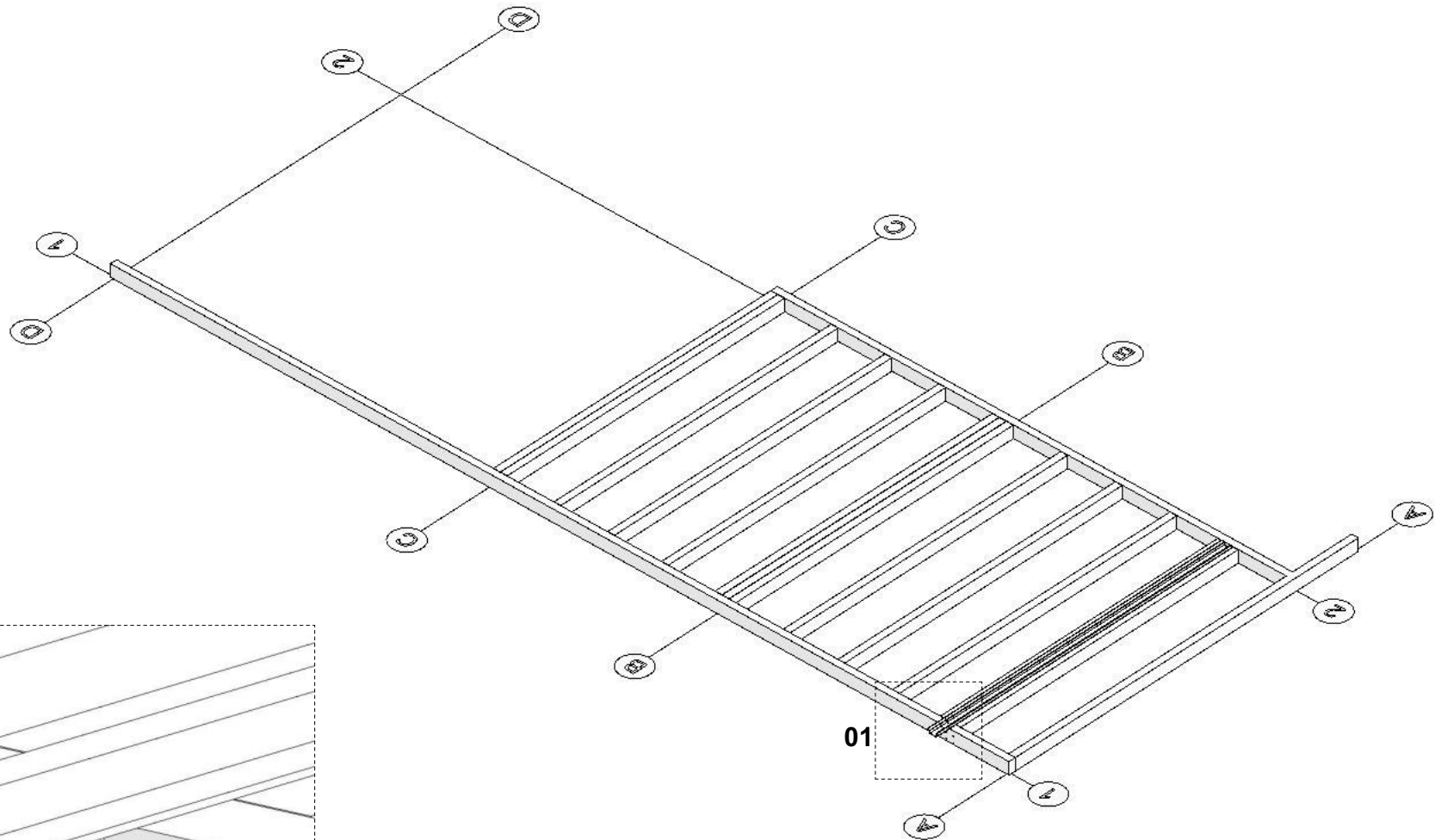
PATIO L PLUS

* Check floor frame diagonals

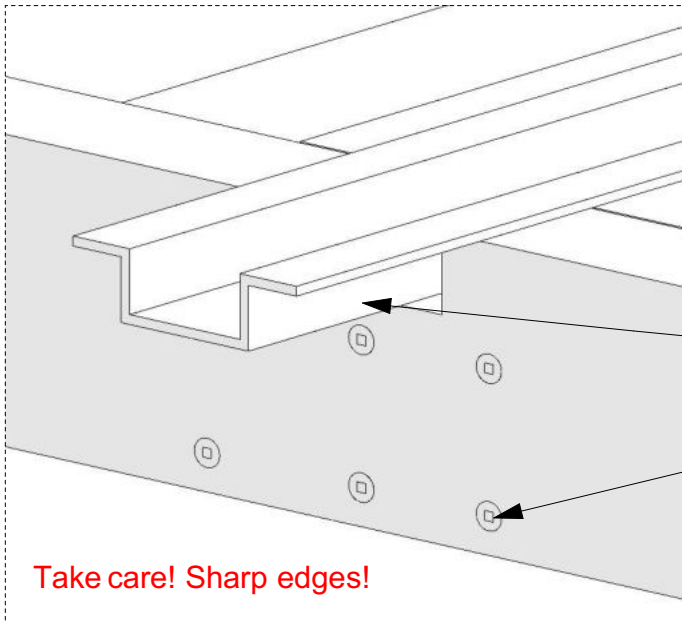


Floor frame

PATIO L PLUS



01



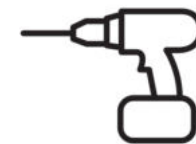
Water drainage detail

Screws 90mm

Take care! Sharp edges!

01

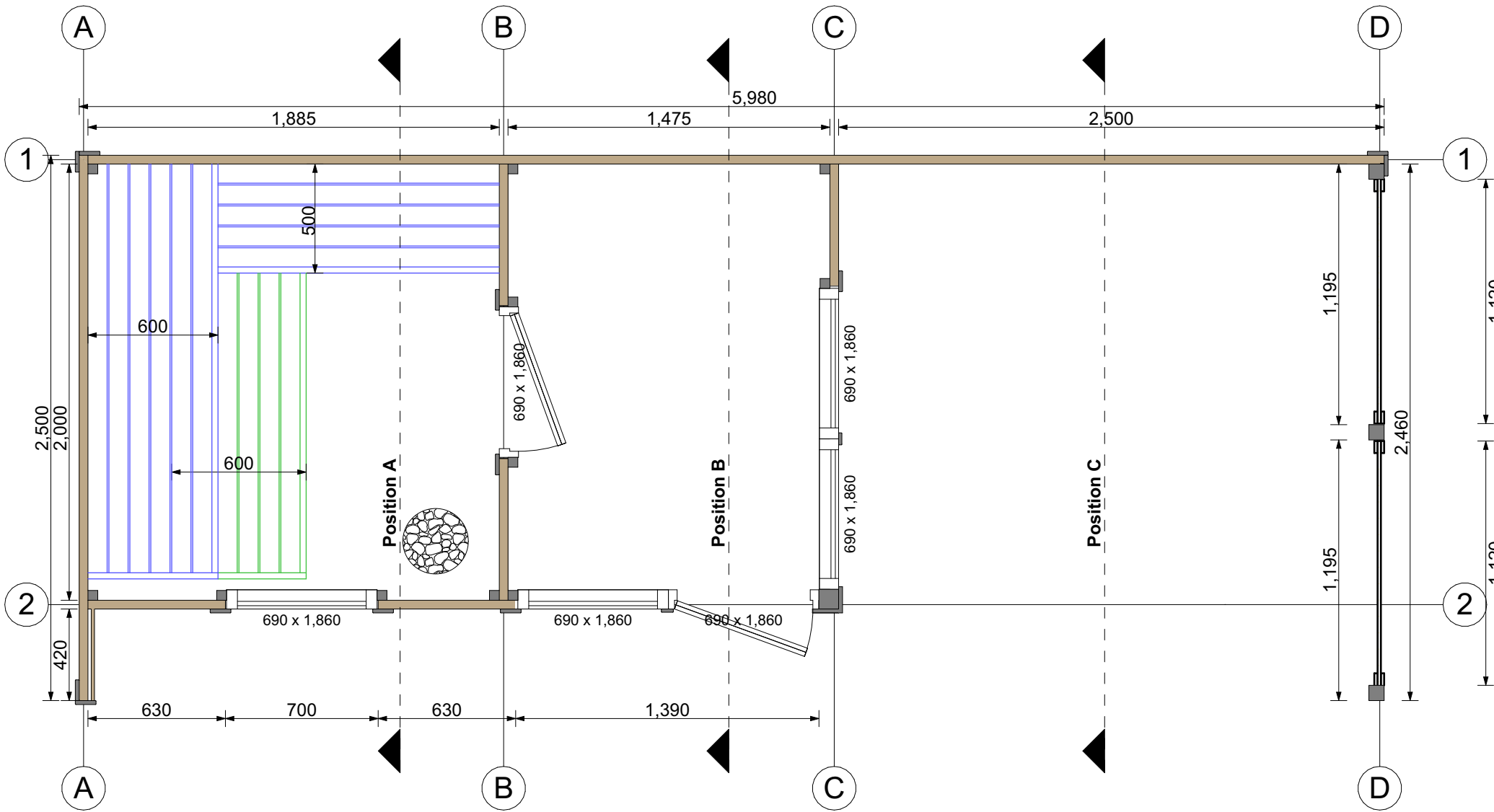
*Use 90mm screws and battery drill



*Install water drainage detail
before first log wall row

Main Floor

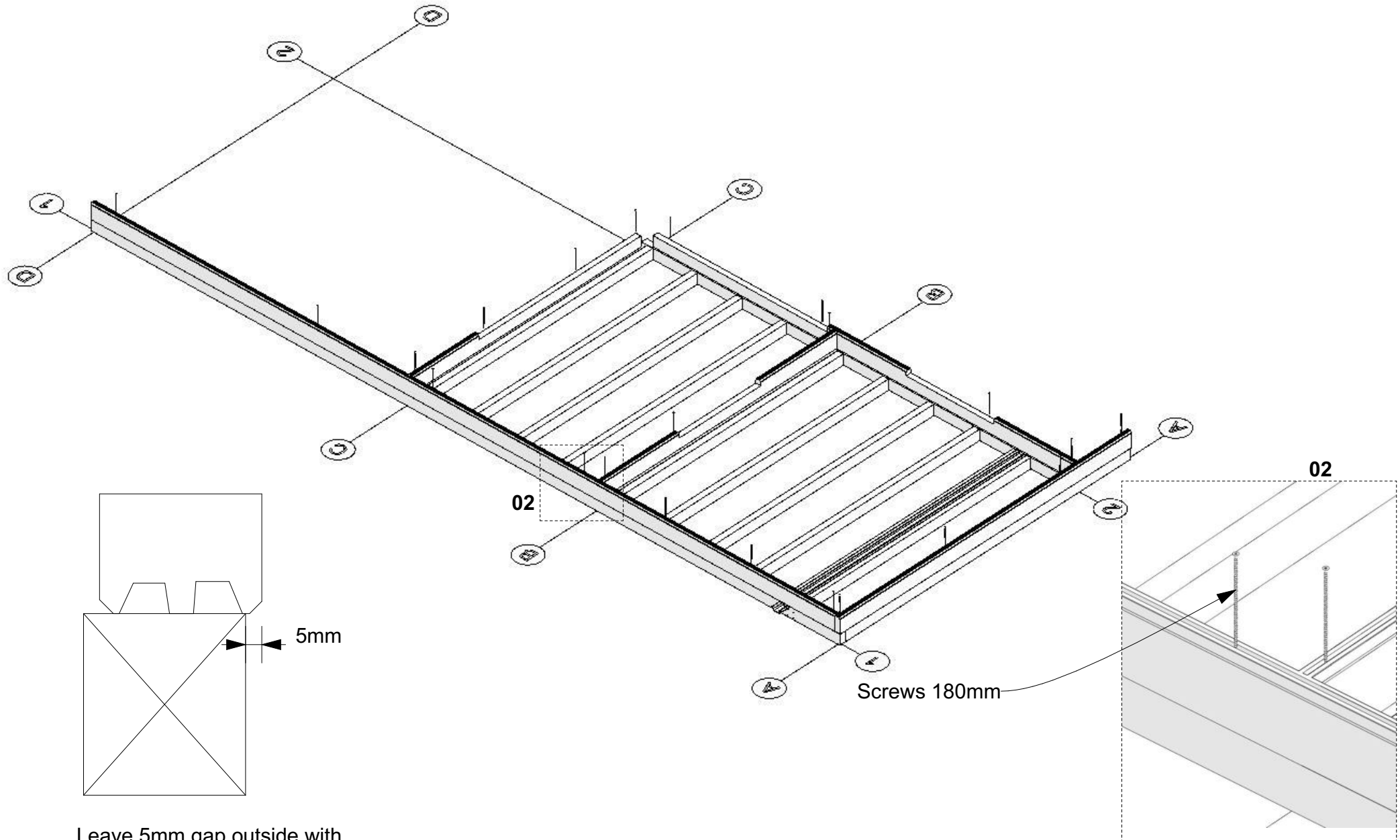
PATIO L PLUS



First log row

PATIO L PLUS

Fix first log wall row to the floor frame with 180mm screws (Suggestion: drill hole before inserting the screws)

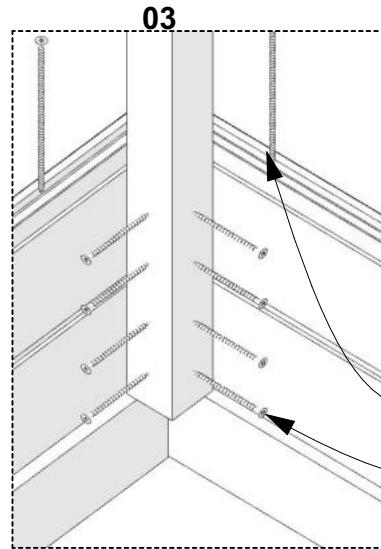


Leave 5mm gap outside with floor frame and 1st wall row

*To install wall logs use rubber hammer and hammer block

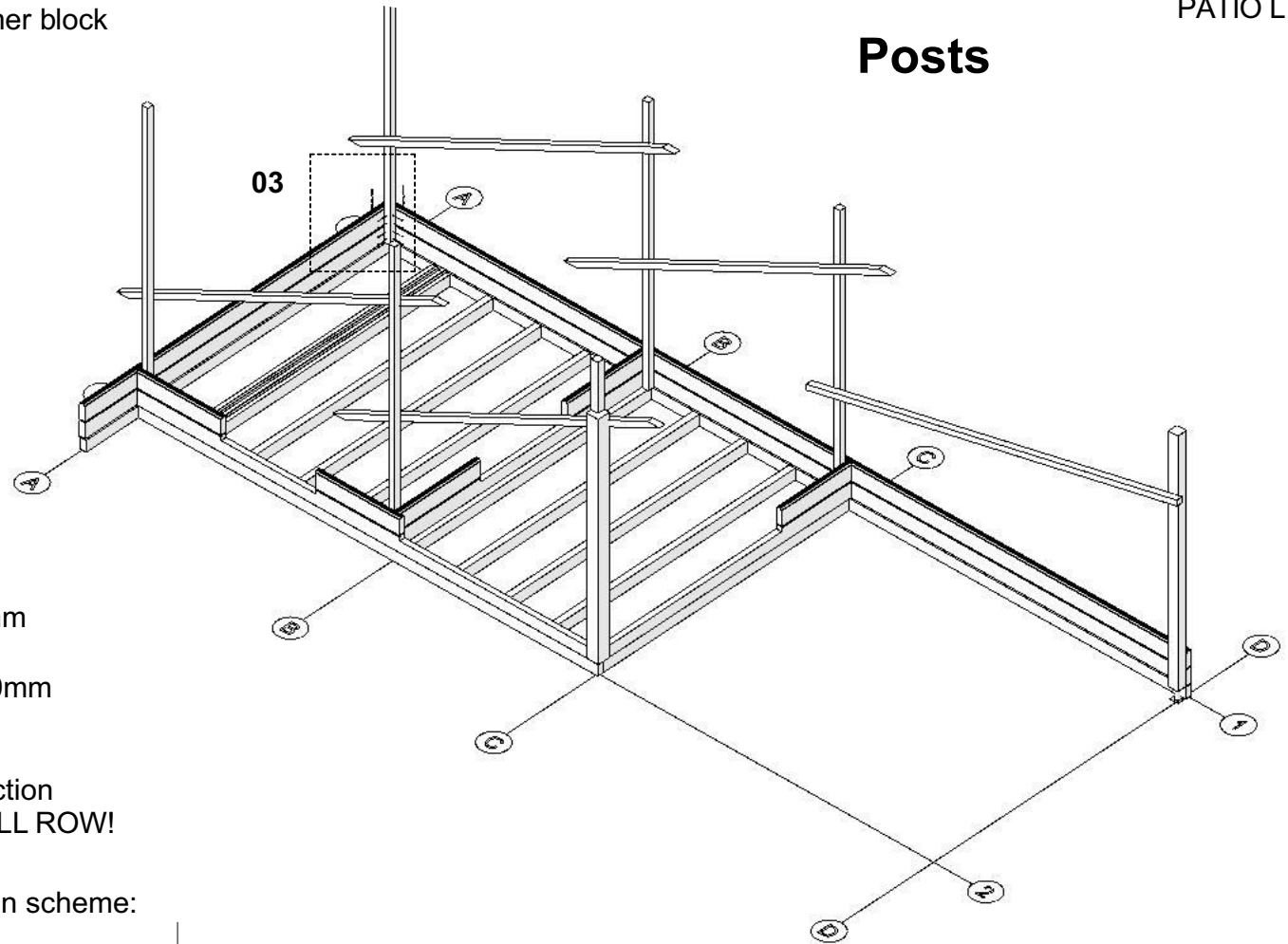


Posts



Screws 180mm

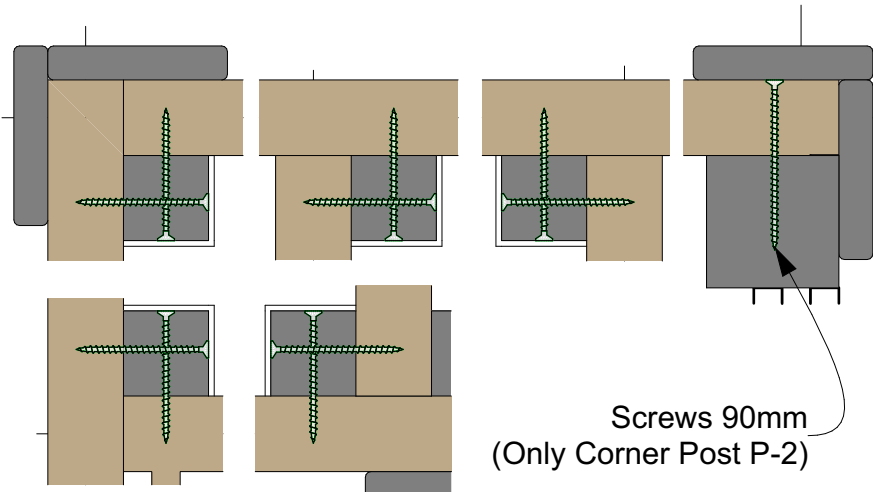
Screws 70mm



*2 pcs 70mm screws per wall log/ post connection

* USE 180mm SCREWS IN EVERY LOG WALL ROW!

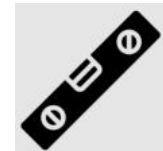
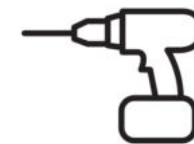
*Install 70mm and 90mm screws as shown in scheme:



Screws 90mm
(Only Corner Post P-2)

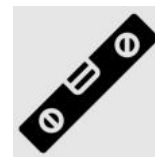
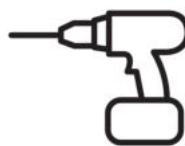
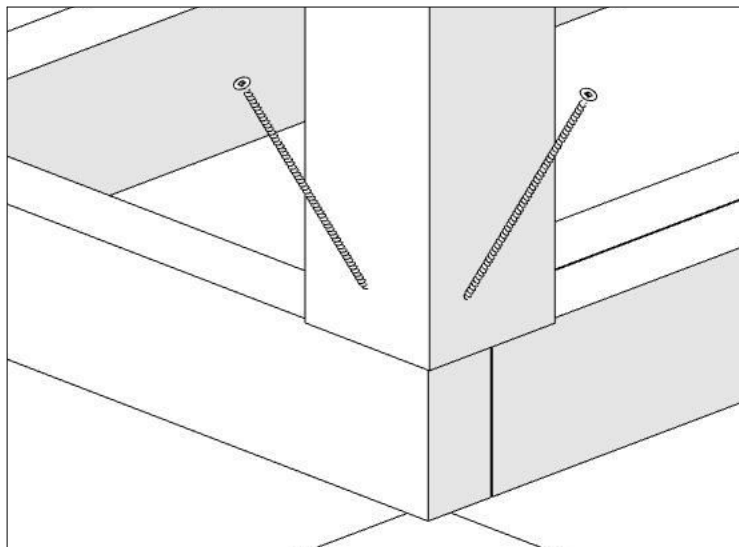
*Use temporary supports to level the walls

* Use level tool and battery drill to fix walls to posts

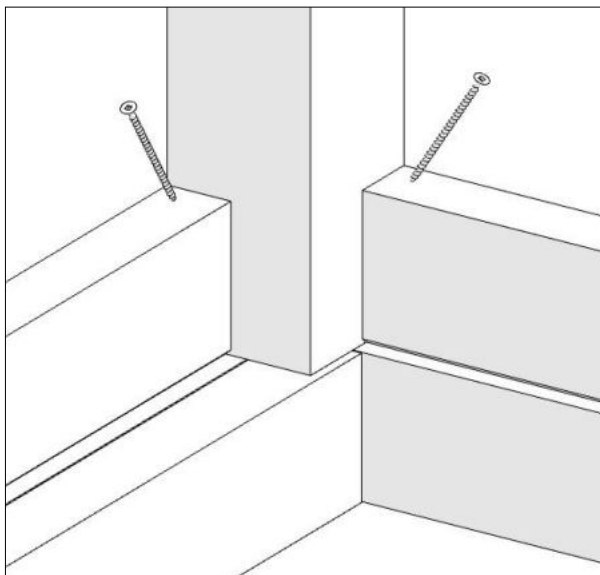


Corner Post P-1

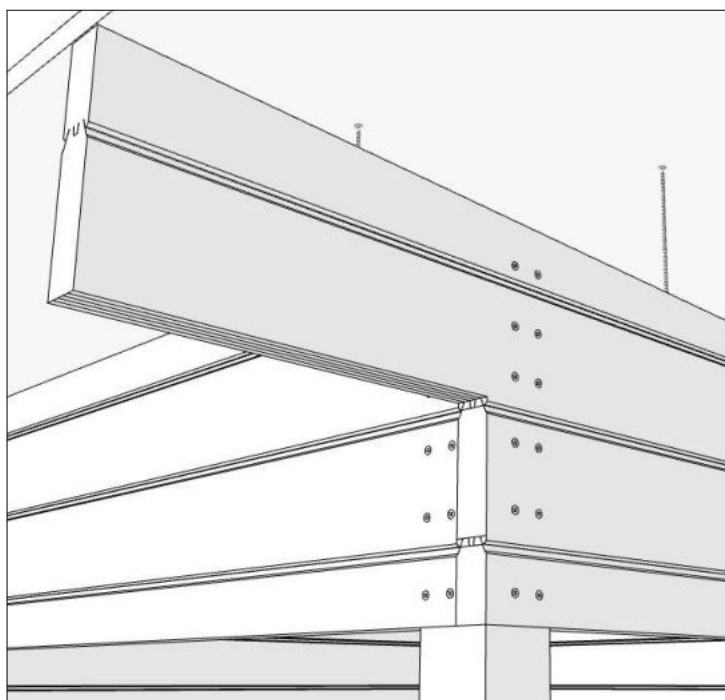
PATIO L PLUS



Fix the Corner post to the Floor frame with 180mm screws .
Install the screws on an angle and use level tool to level the corner post.



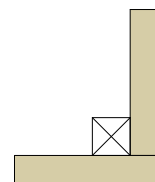
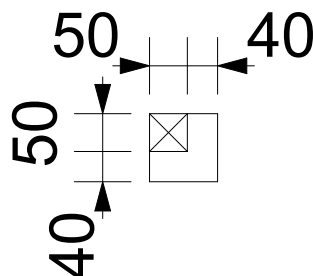
Fix the first log wall row with the Corner Post with 70mm screws.
Install the screws on an angle and use level tool to level the corner post.



Fix the last 3 rows with the Corner post with 70mm screws. (will be covered with moulding later)

If needed, cut post to length

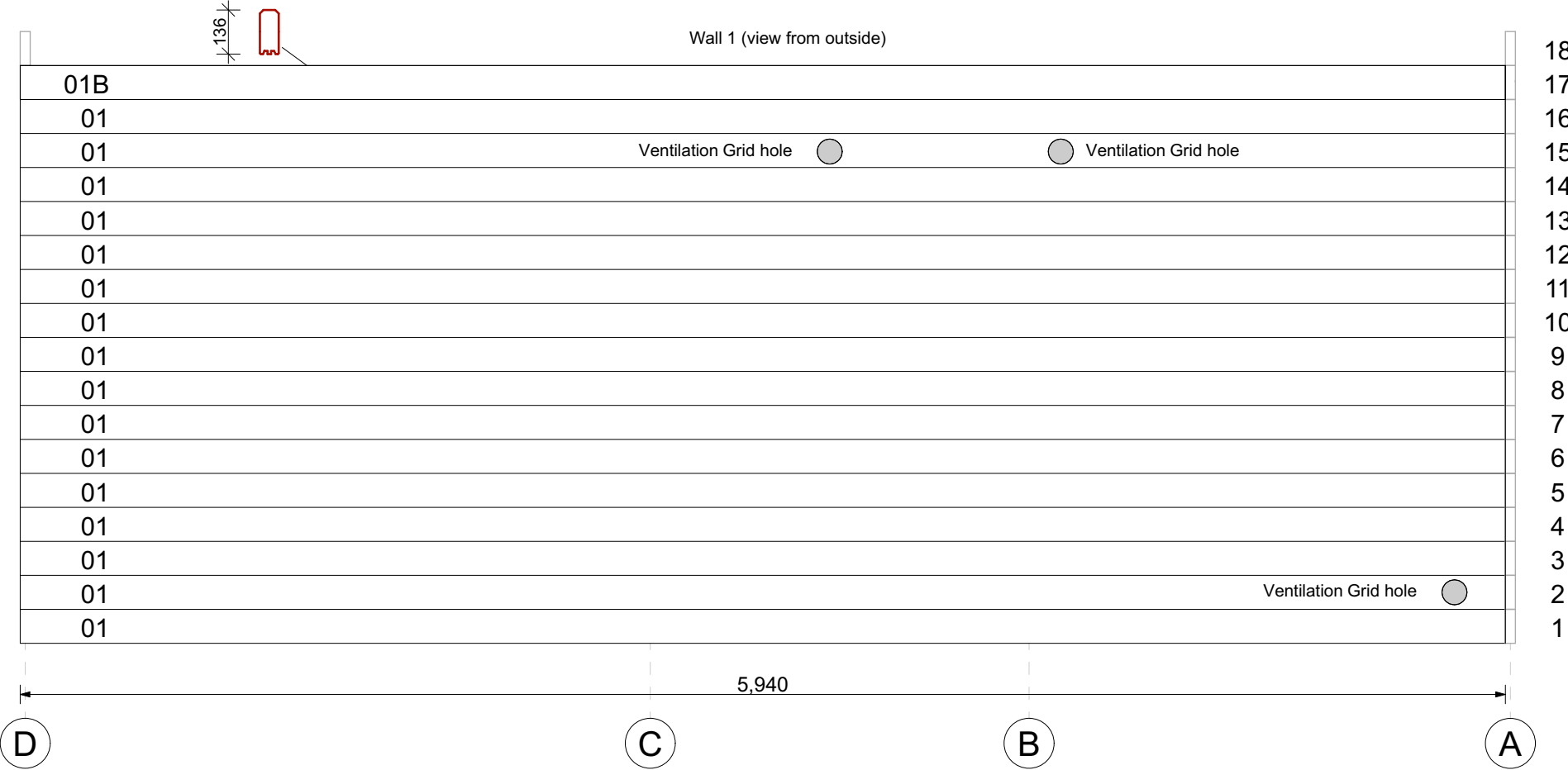
Corner post:



Fix every wall log vertically with 180mm screws

Wall layouts

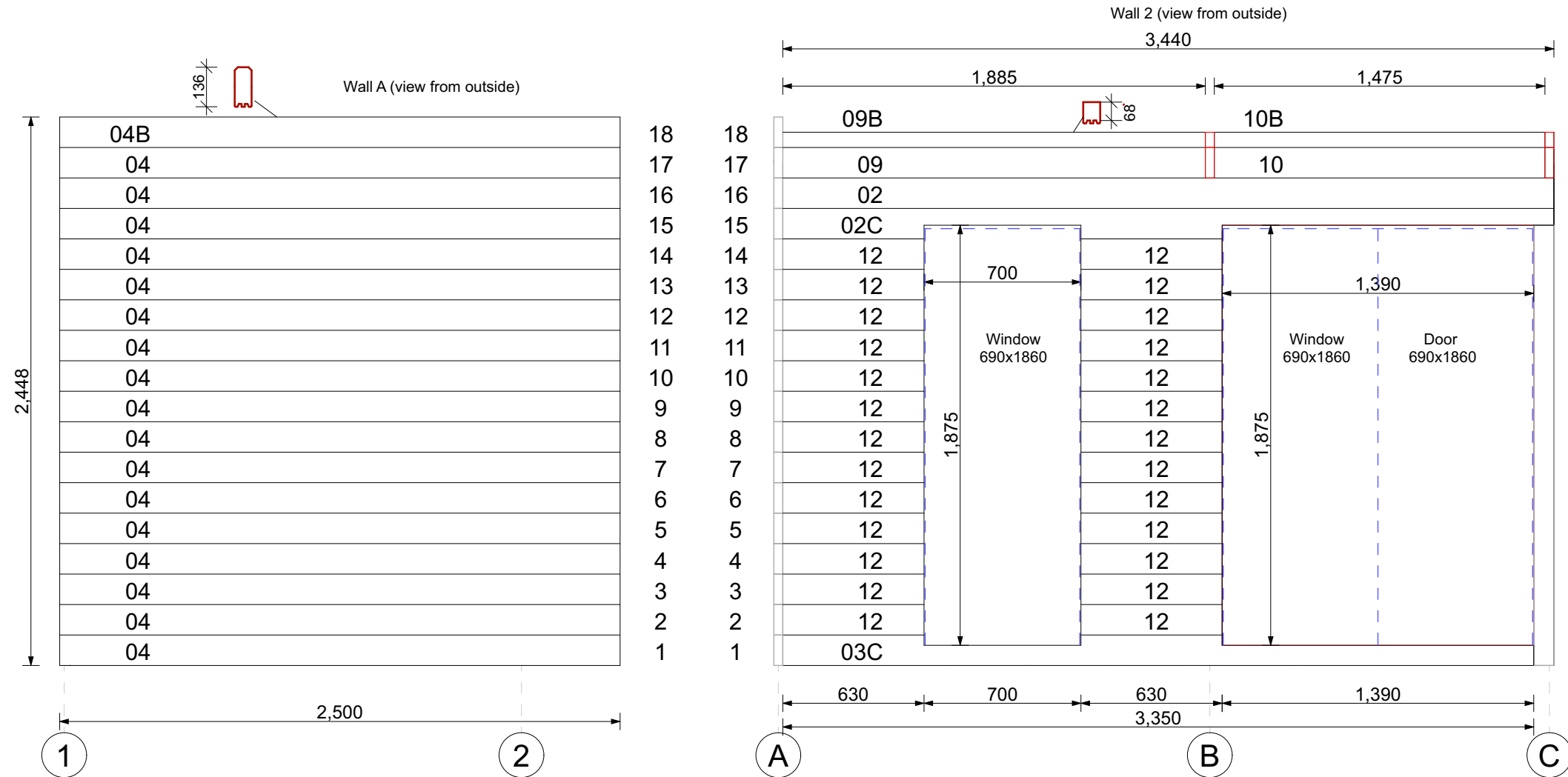
PATIO L PLUS



Fix every wall log vertically with 180mm screws

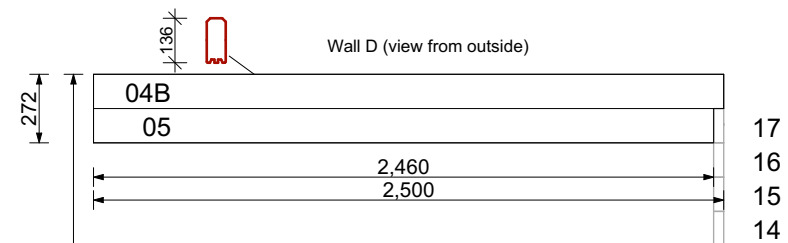
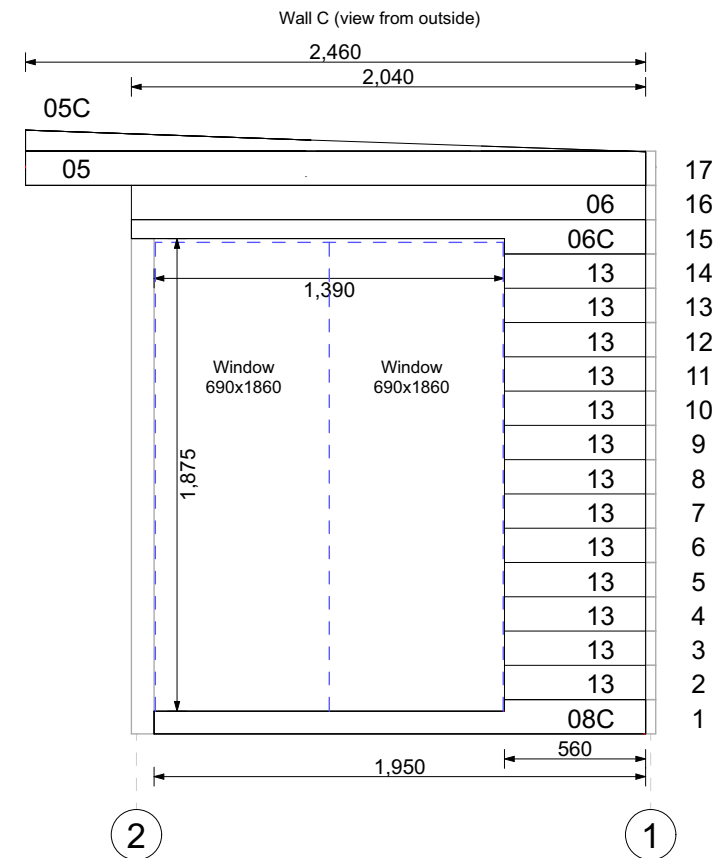
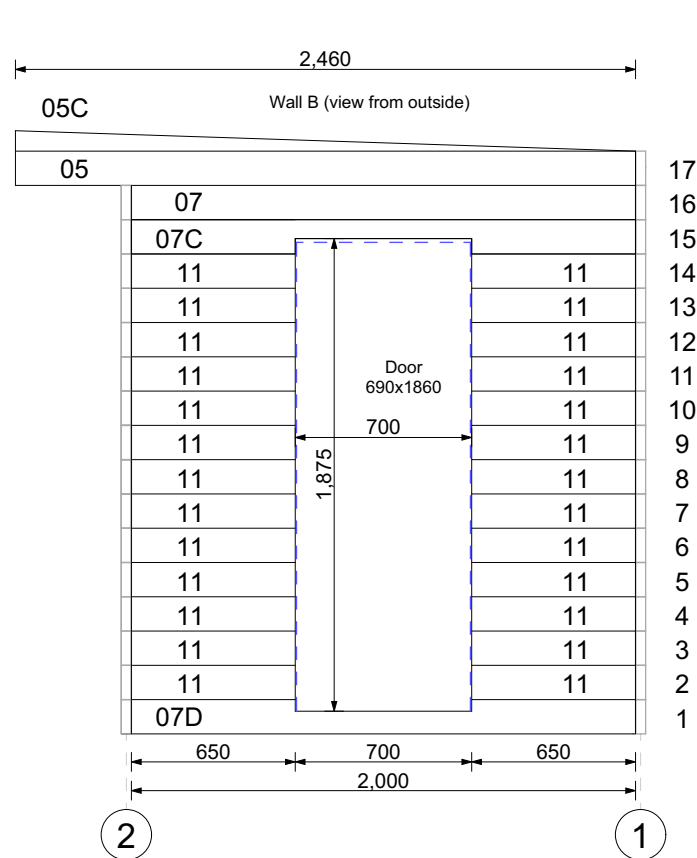
Wall layouts

PATIO L PLUS



Wall layouts

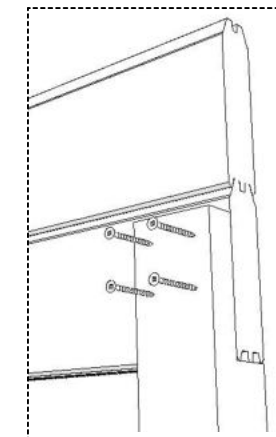
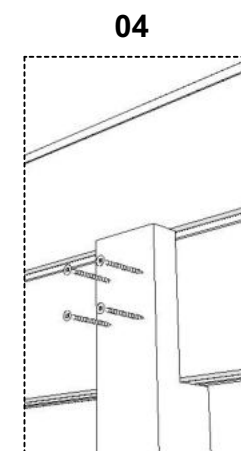
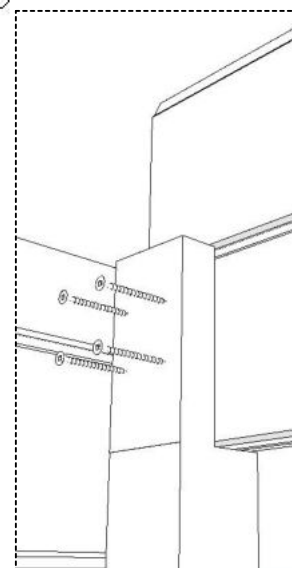
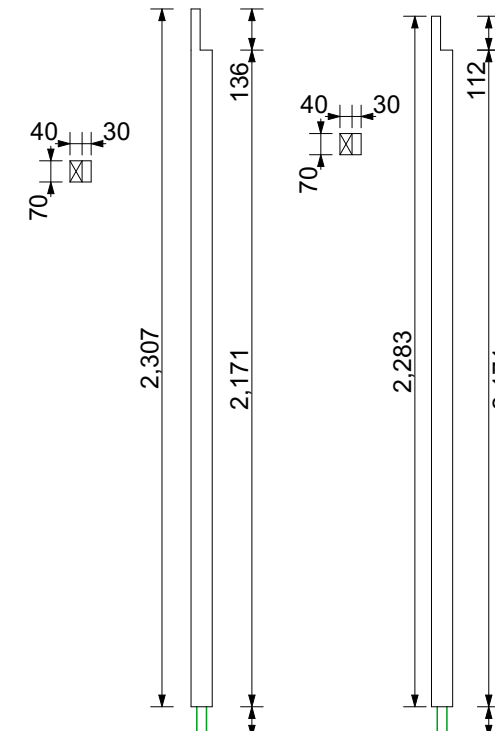
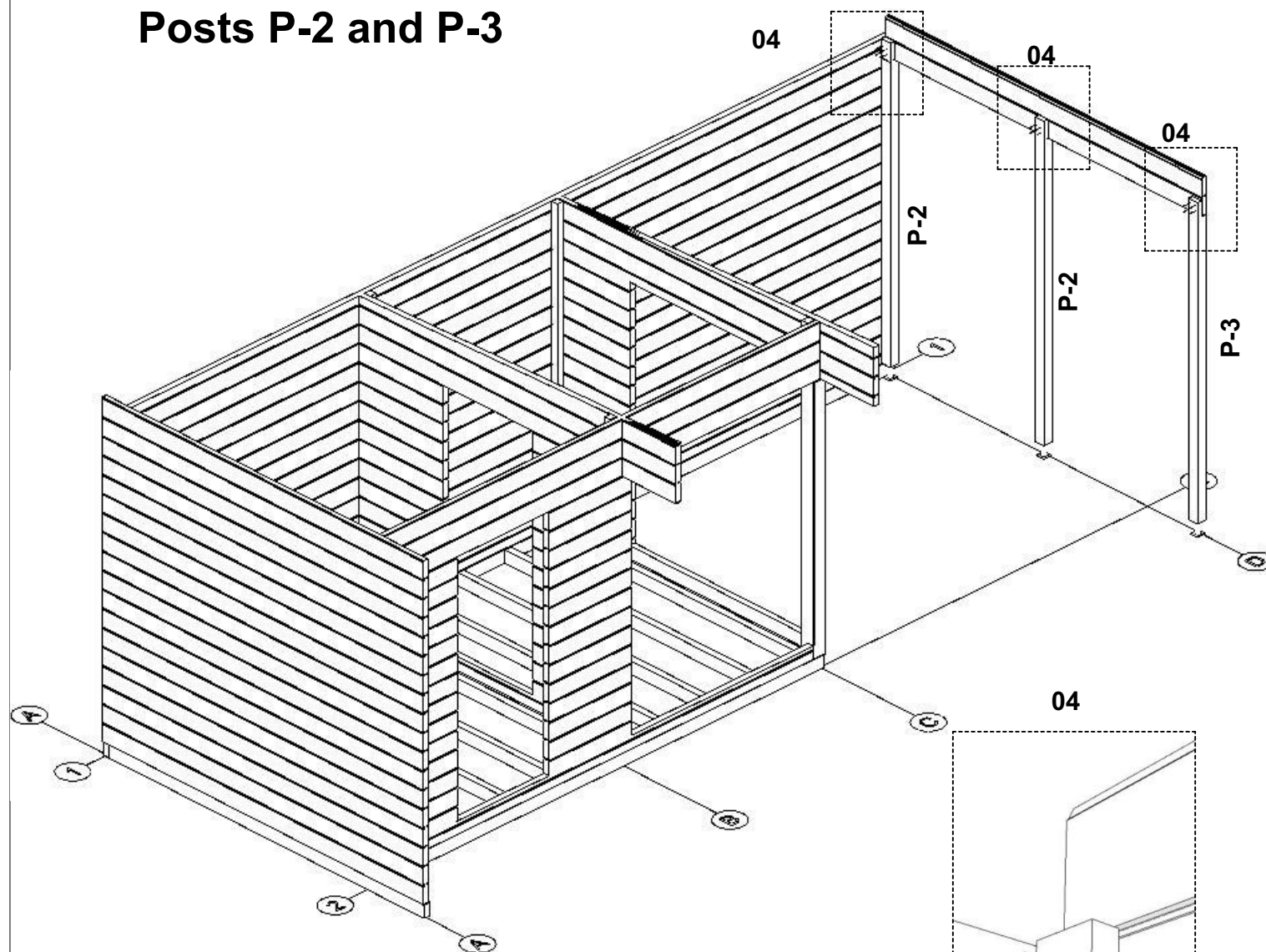
PATIO L PLUS



Fix every wall log vertically with 180mm screws

Posts P-2 and P-3

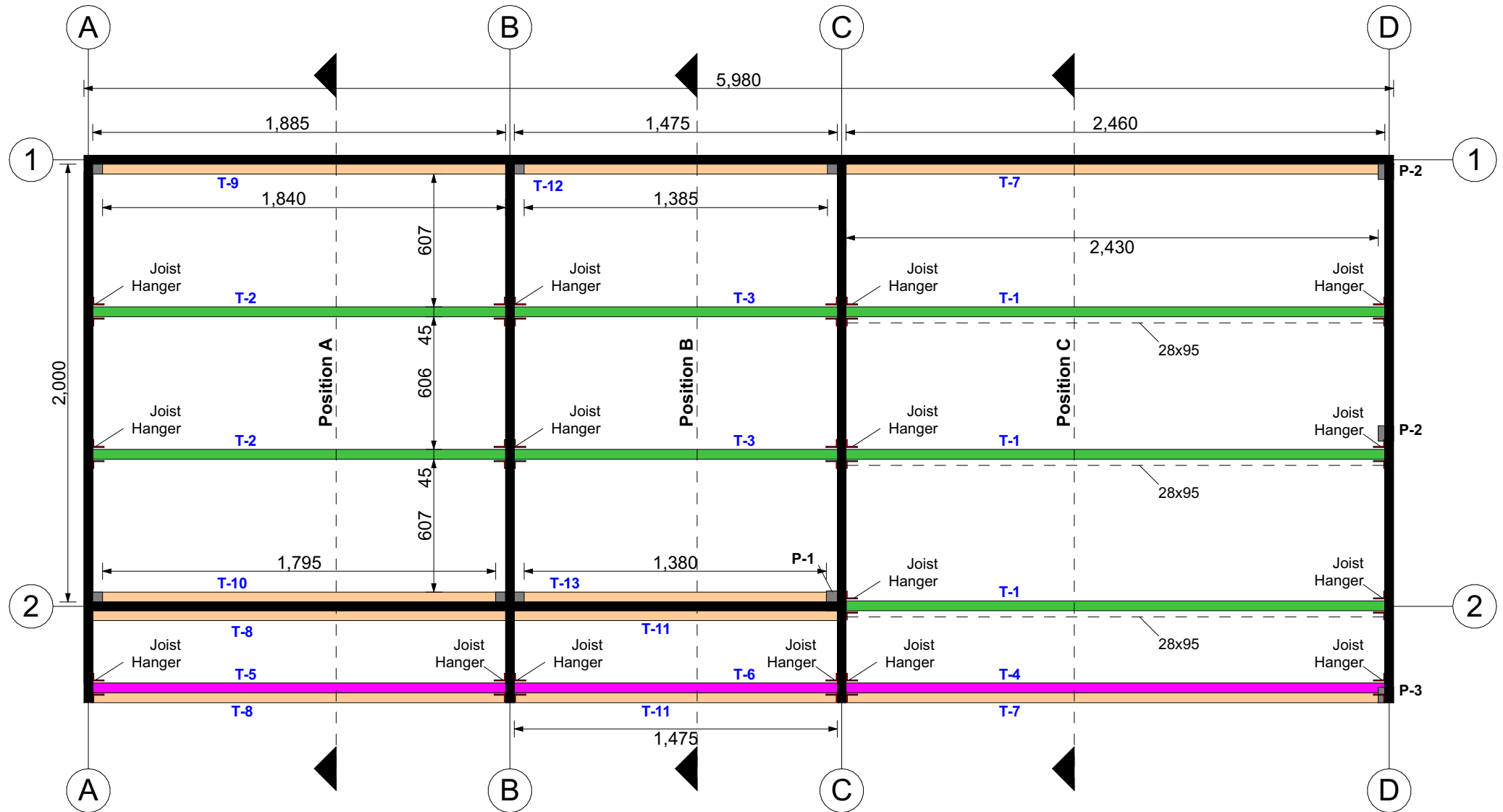
PATIO L PLUS



* Fix posts P-2 and P-3 with 55mm screws to the log wall

Ceiling beams Top View:

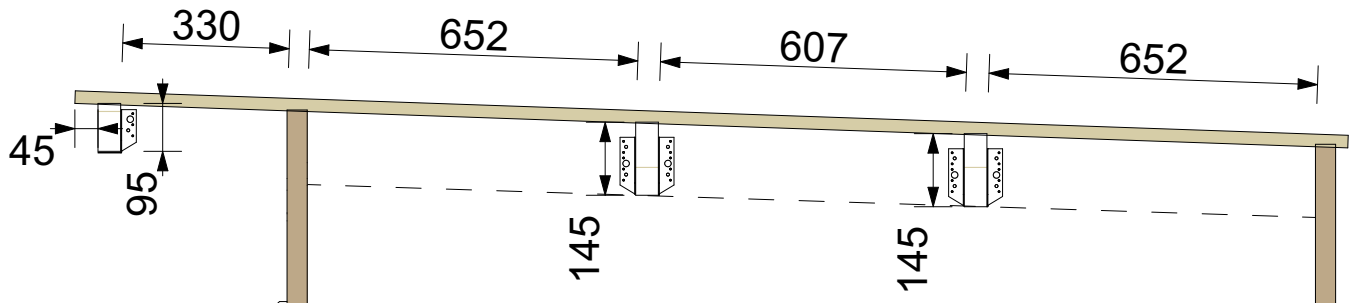
PATIO L PLUS



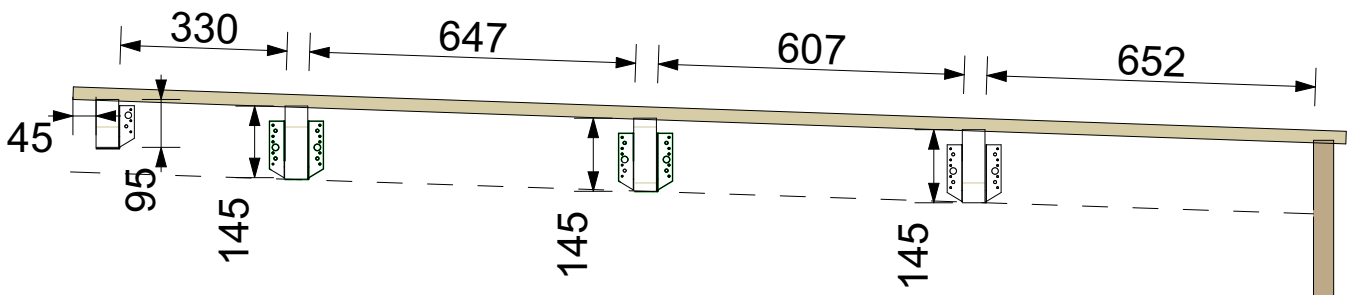
- 45x145mm
- 45x95mm
- 45x45mm

Temporarily attach roof board on top of the walls. Measure out 95 and 145mm from roof board (downward). Measure out Joist Hanger positions as shown in schemes:

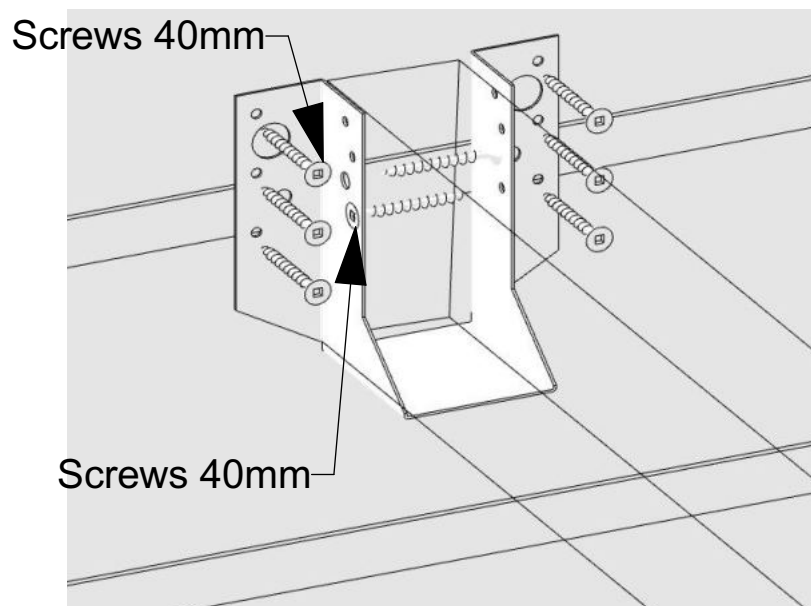
Position A and B:



Position C:



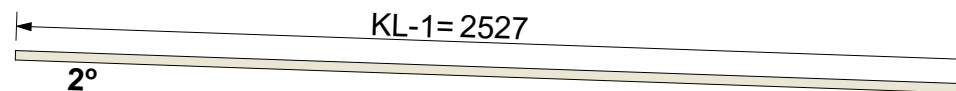
Joist hanger:



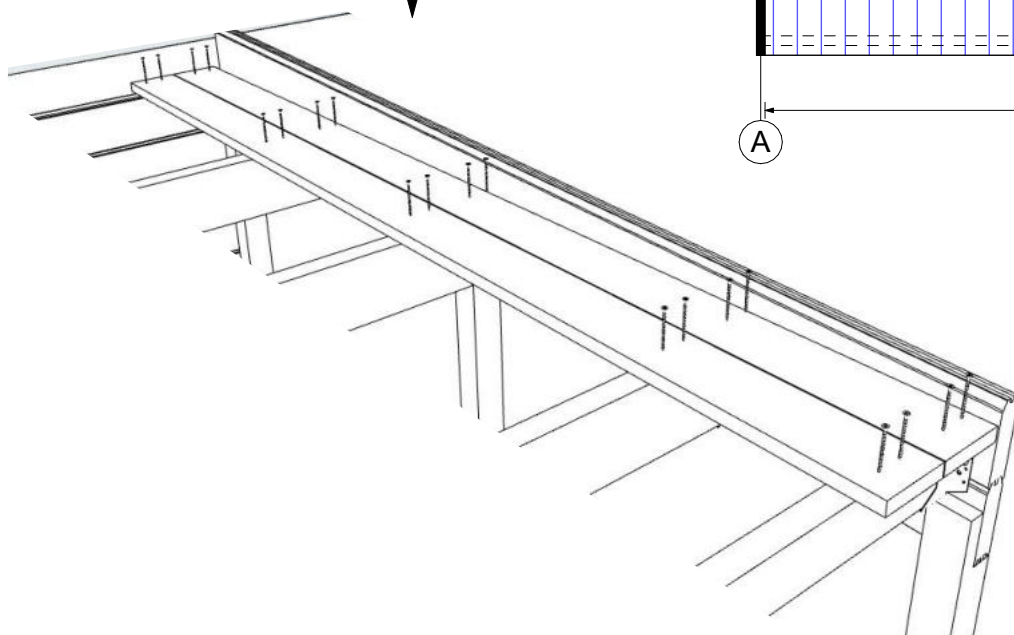
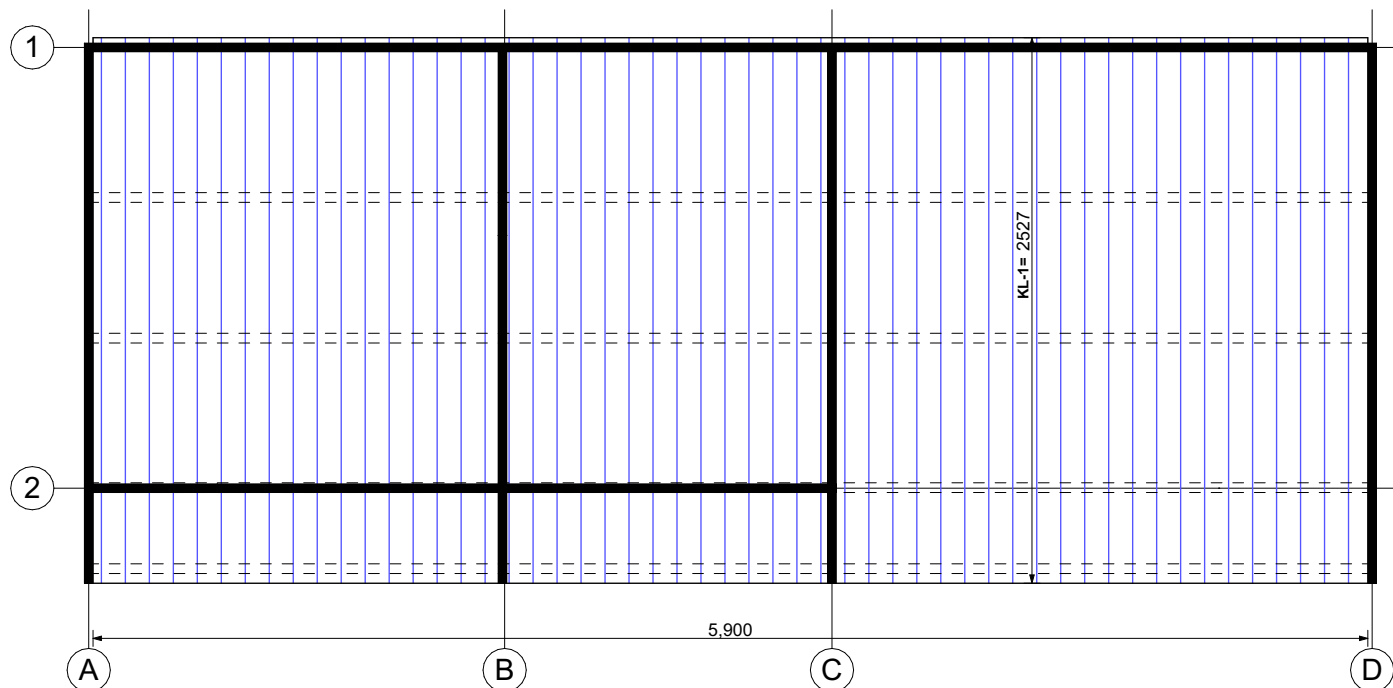
Roof boards

PATIO L PLUS

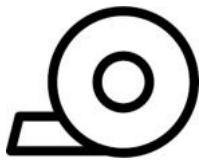
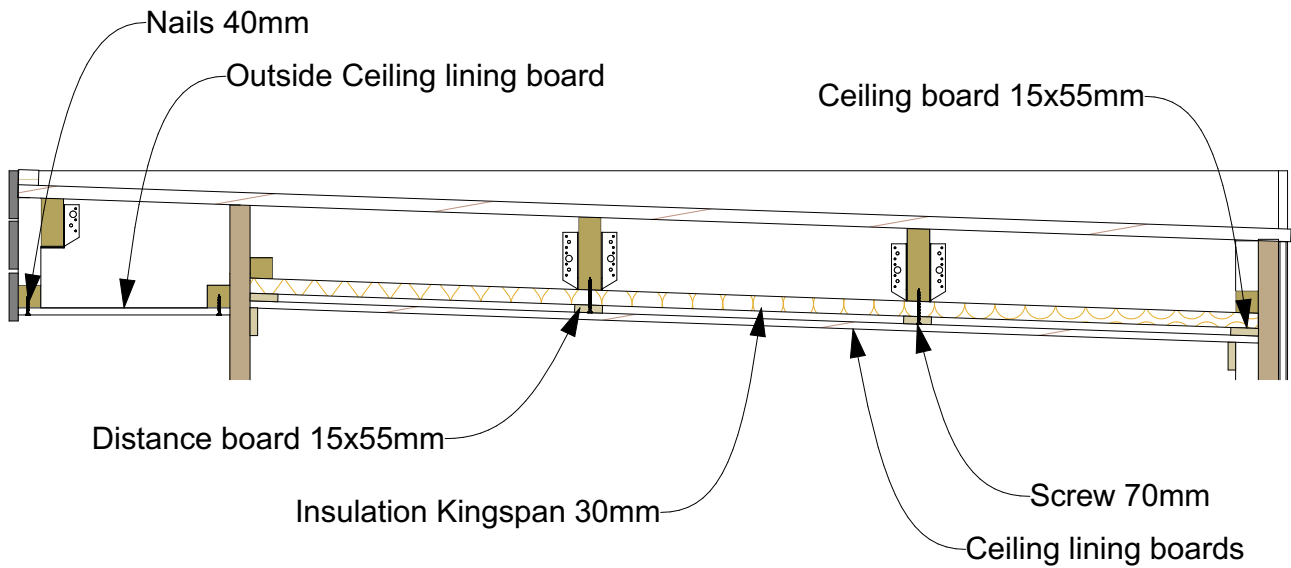
*Cut the last roof board to length



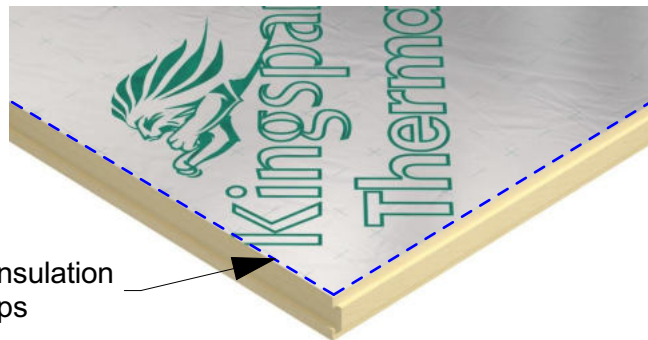
*Use 10 nails (75mm) per roof board



Position A:



Use tape for SPU insulation overlaps

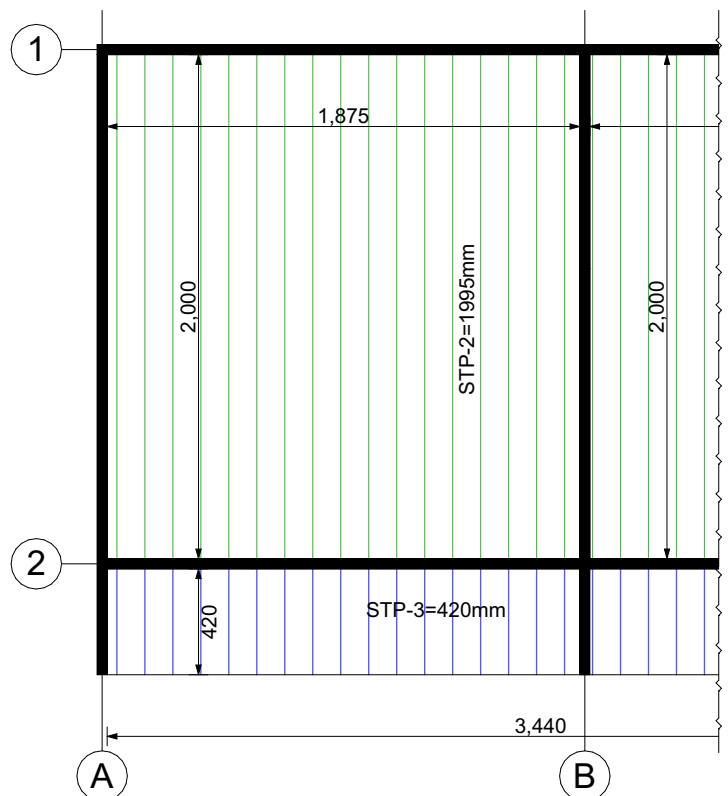


Tape Insulation overlaps

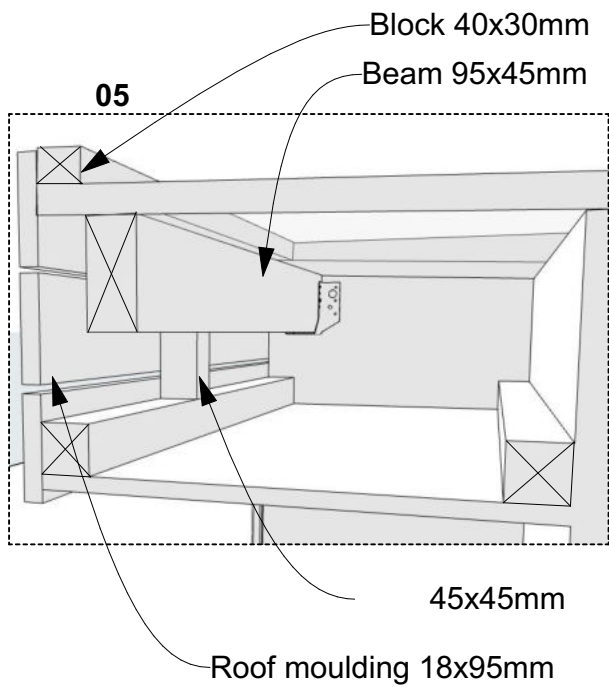
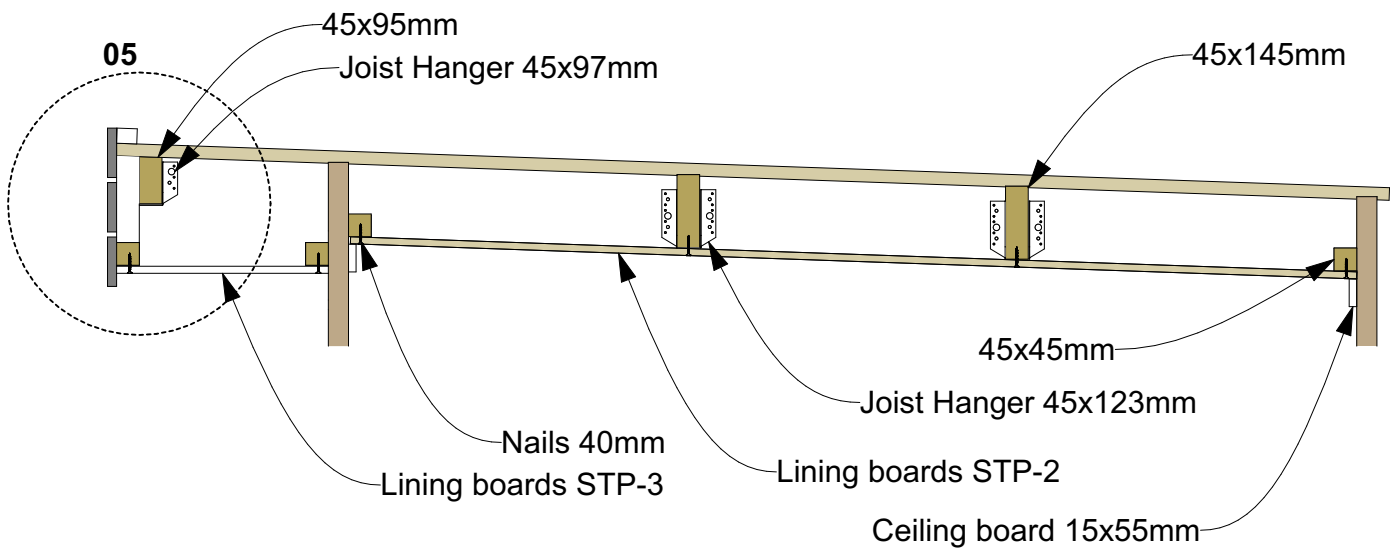
Install the SPU insulation to the beams/ rafters with the distance board and 70mm screws

Top view:

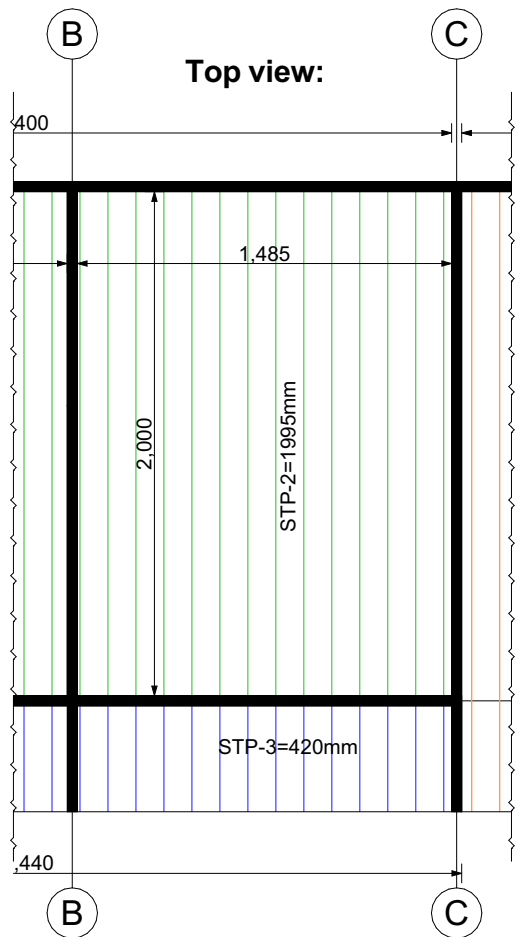
*Cut the last ceiling board to lenght



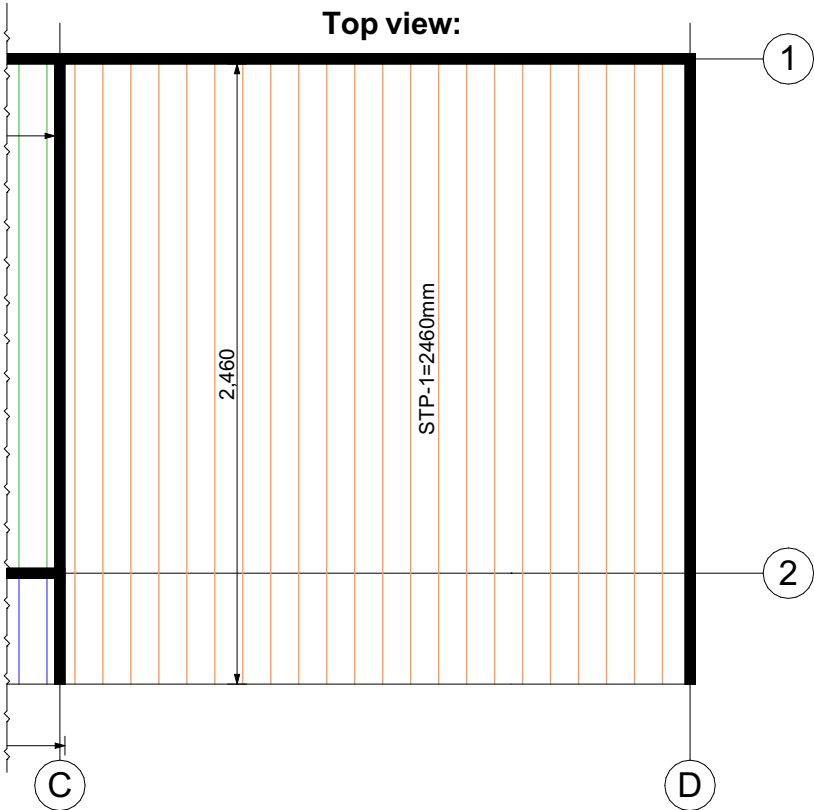
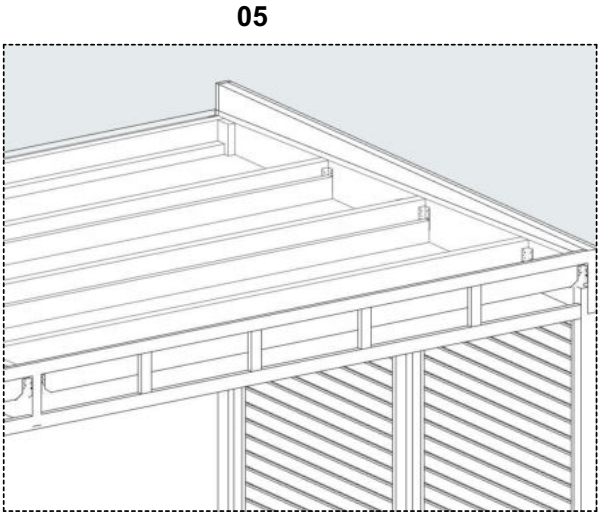
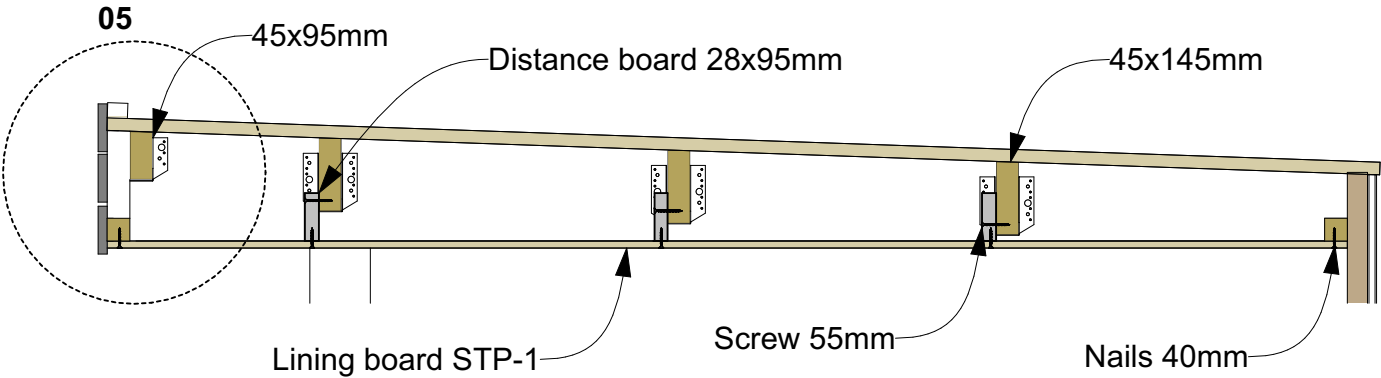
Position B:



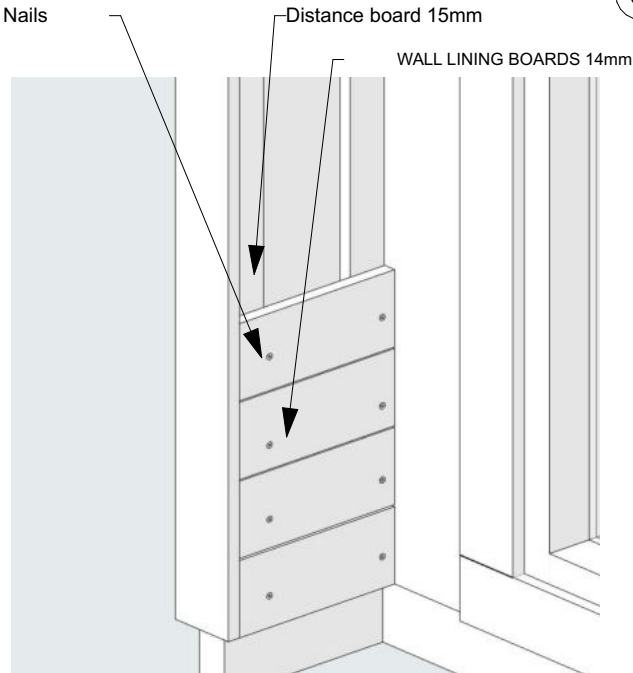
*Cut the last ceiling board to lenght



Position C:



Wall lining boards

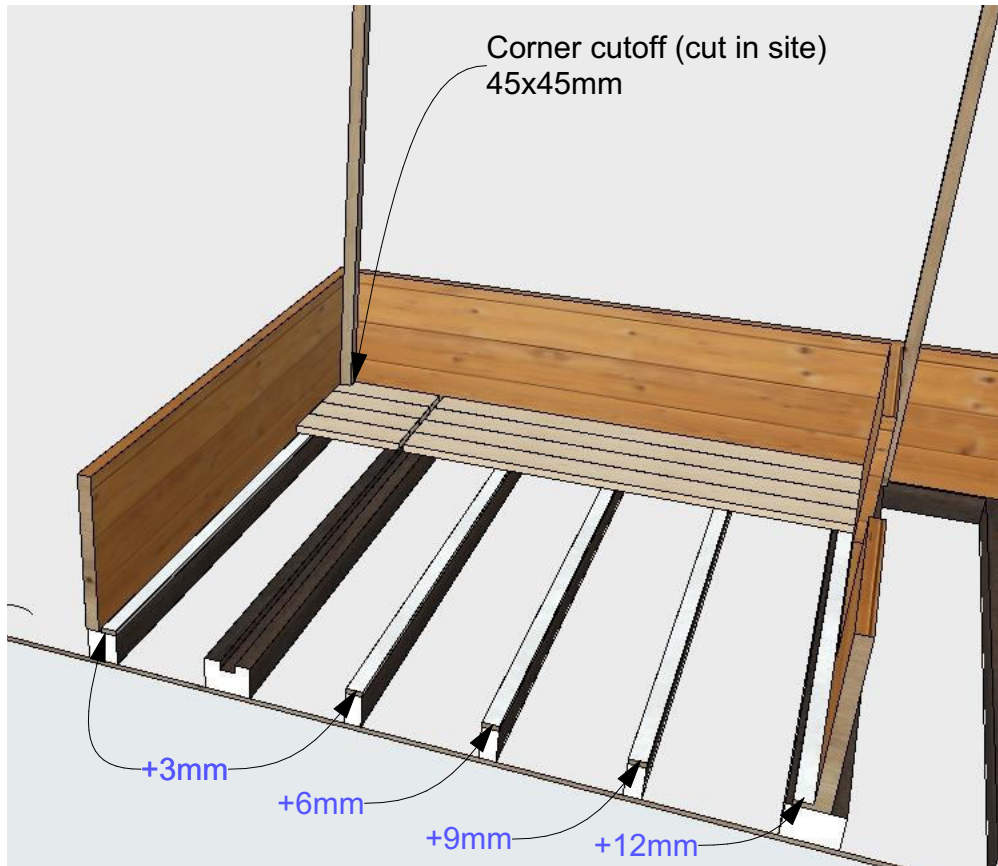


*Cut the last ceiling board to lenght

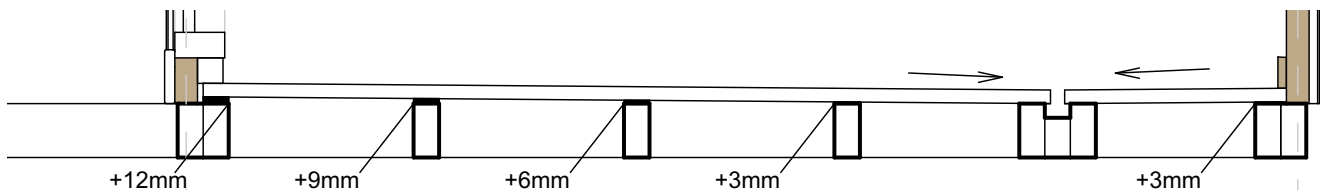


Floor boards

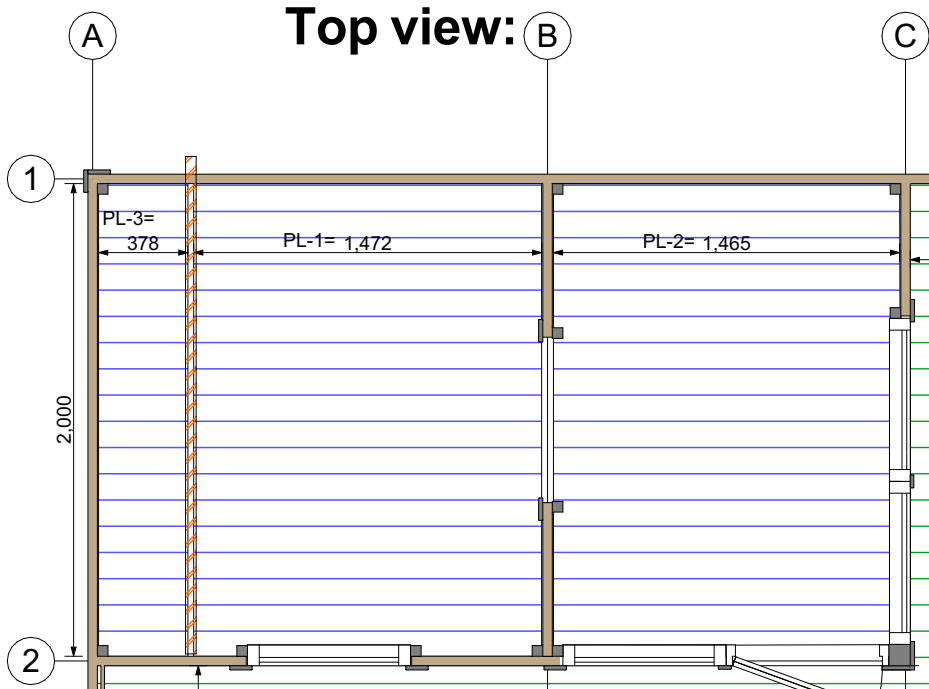
PATIO L PLUS



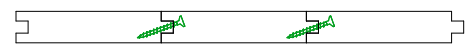
Apply plywood slope details to give floor incline for water drainage



Top view:

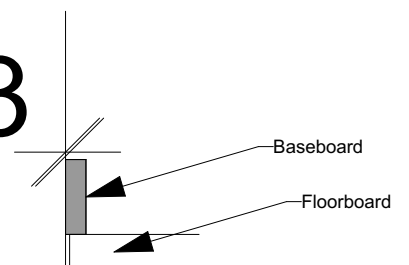


Fix floorboards with 40mm screws as shown :



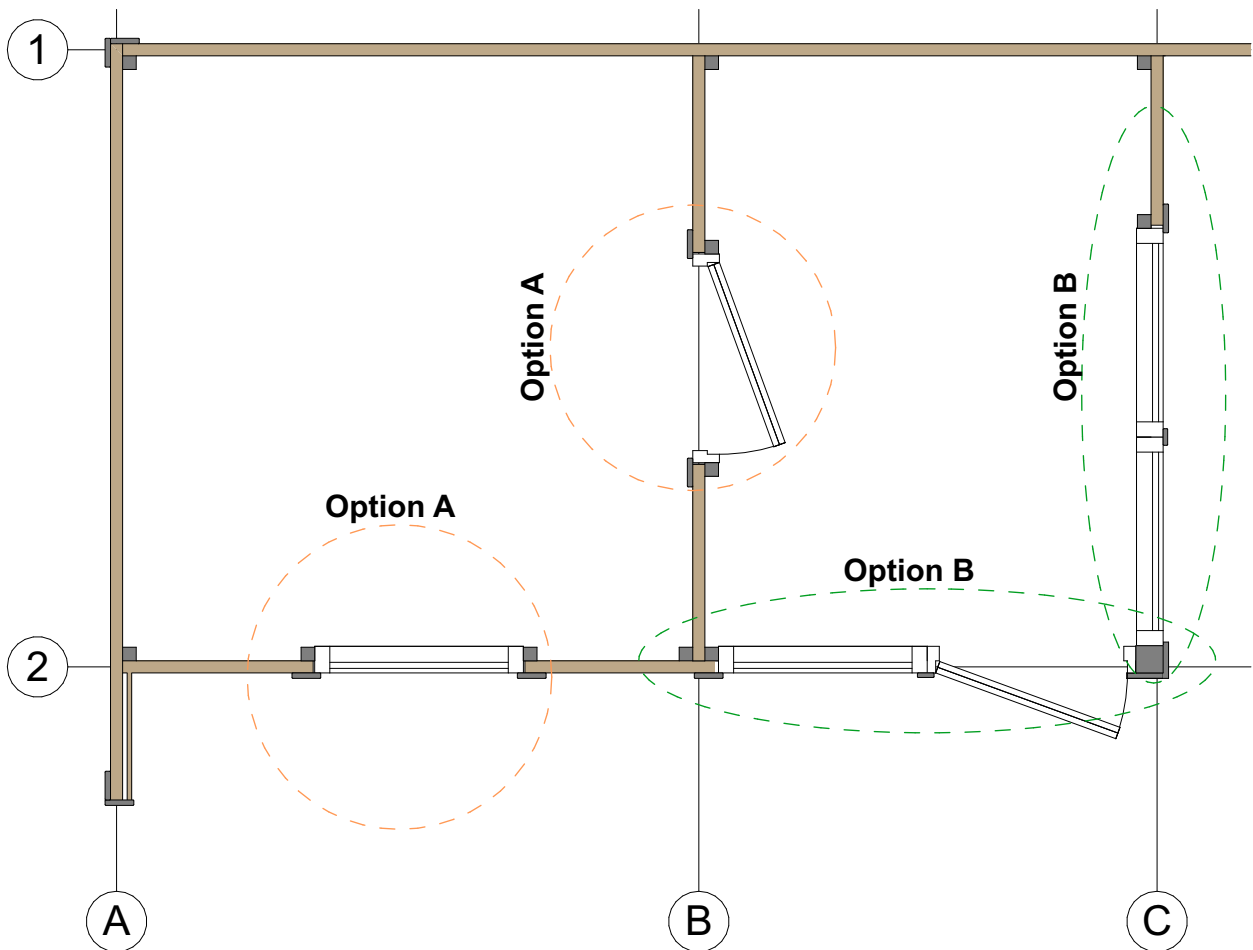
Leave ~3mm gap between floor board and wall

3



Door/ window

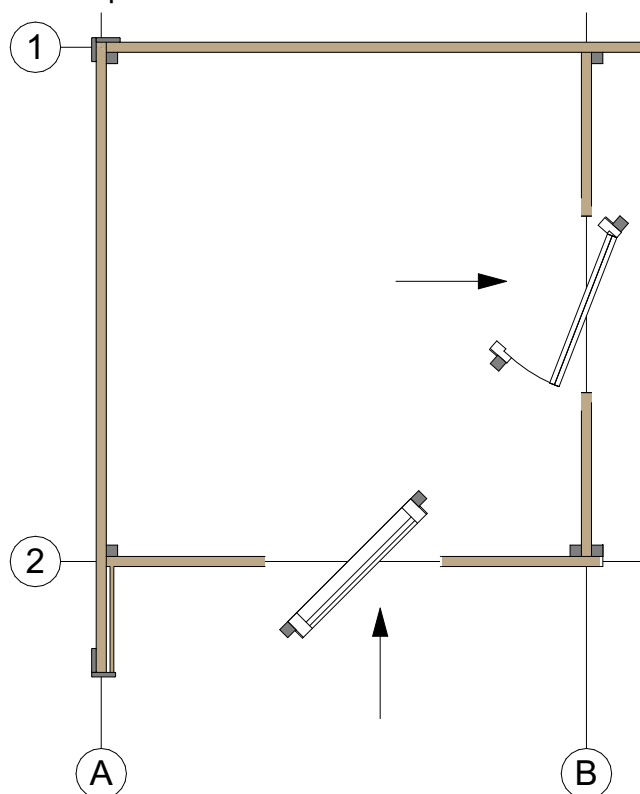
PATIO L PLUS



There are 2 ways to install doors/ windows: Option A and Option B

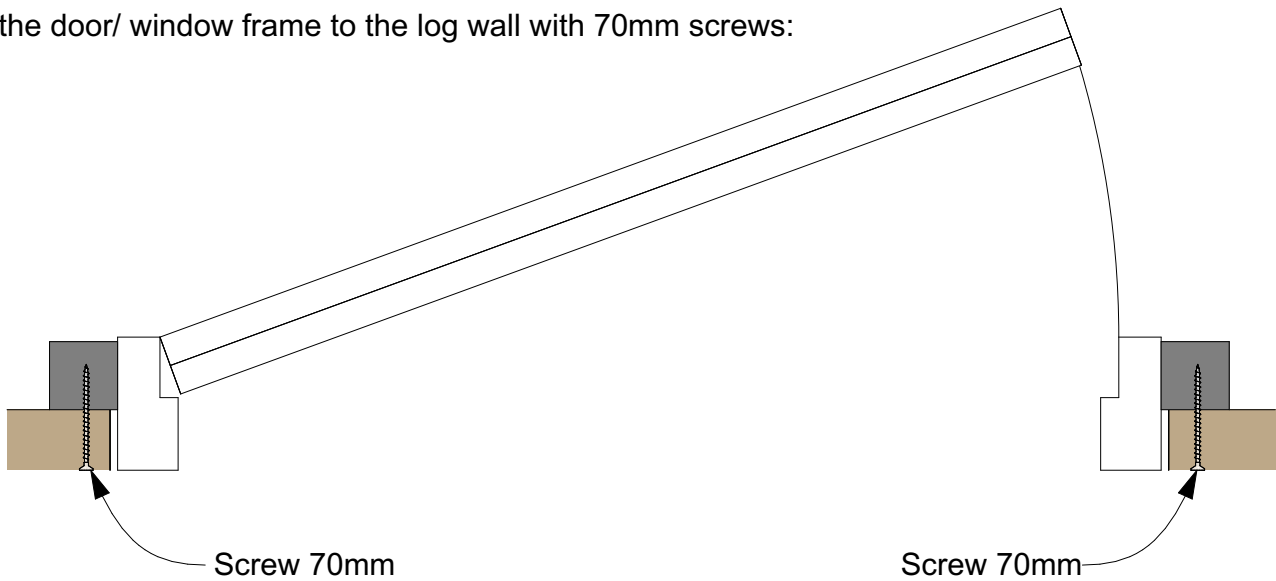
Option A:

Lift the door and window in place as shown in scheme:



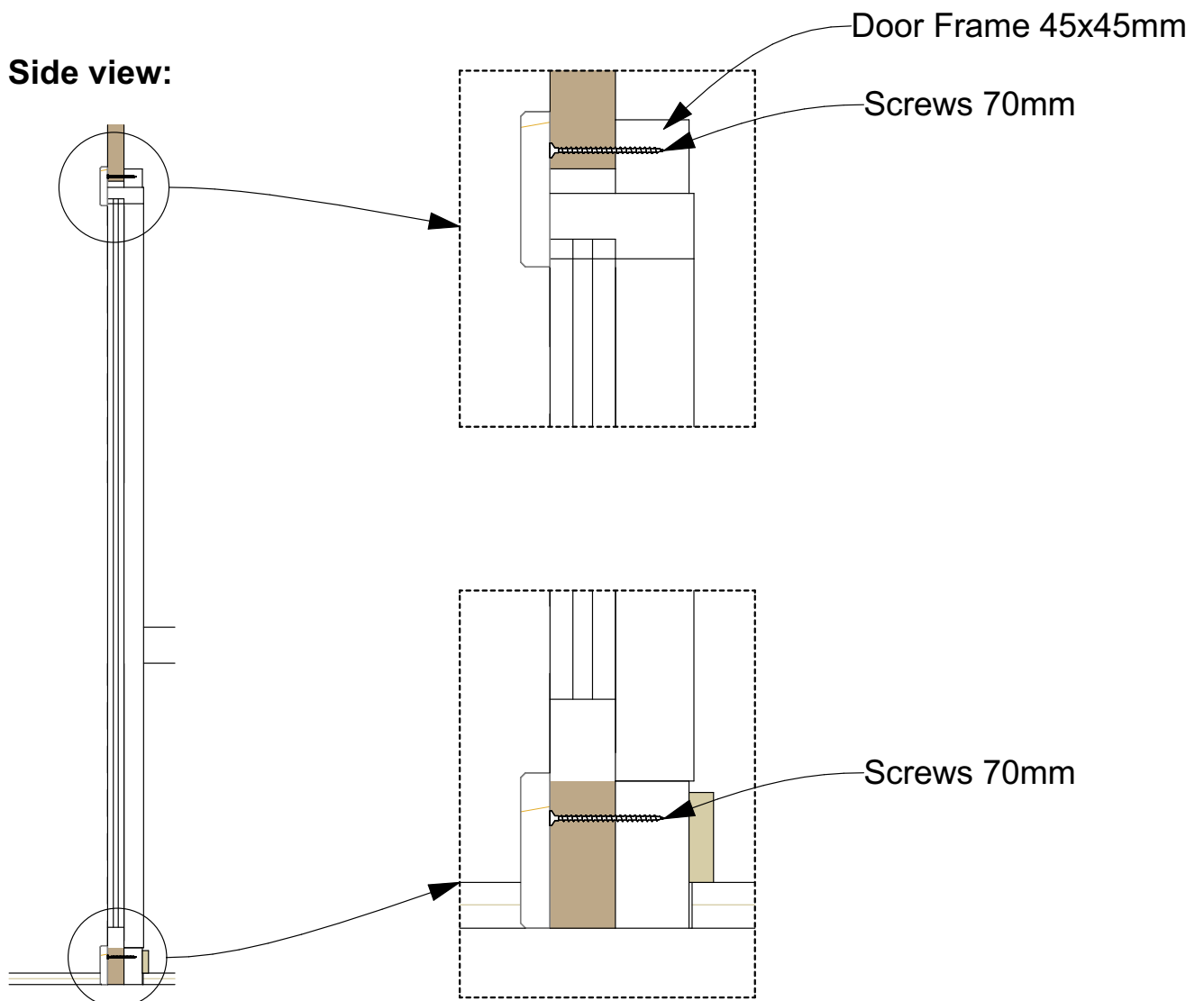
Top view:

Fix the door/ window frame to the log wall with 70mm screws:



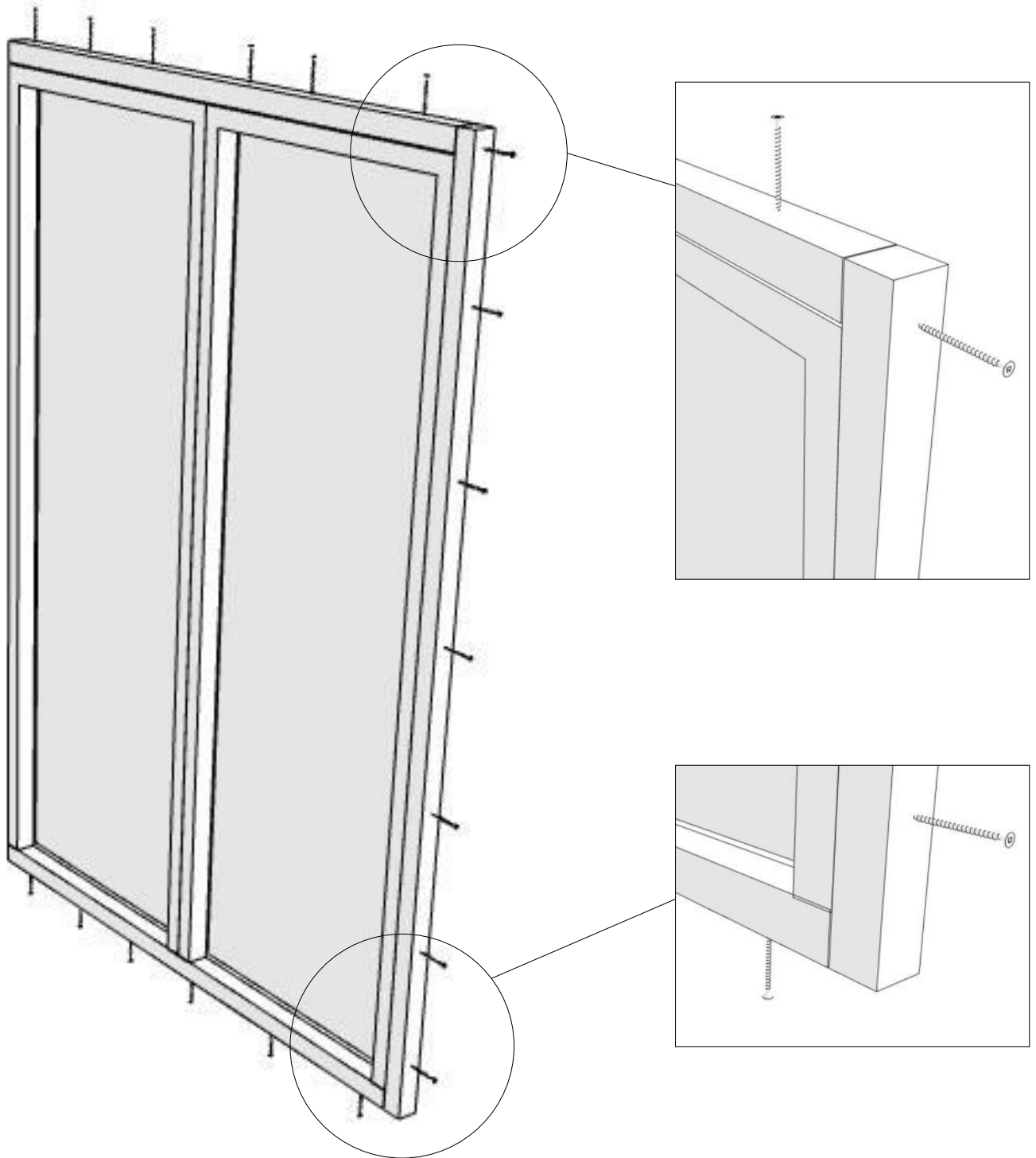
Fix the door/ window frame to the log wall with 70mm screws:

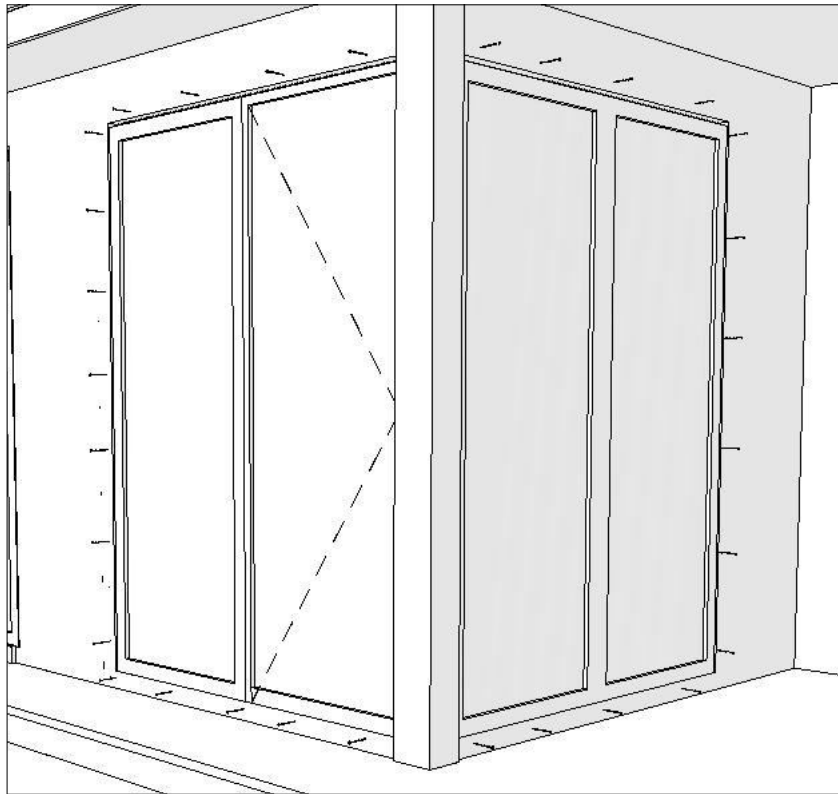
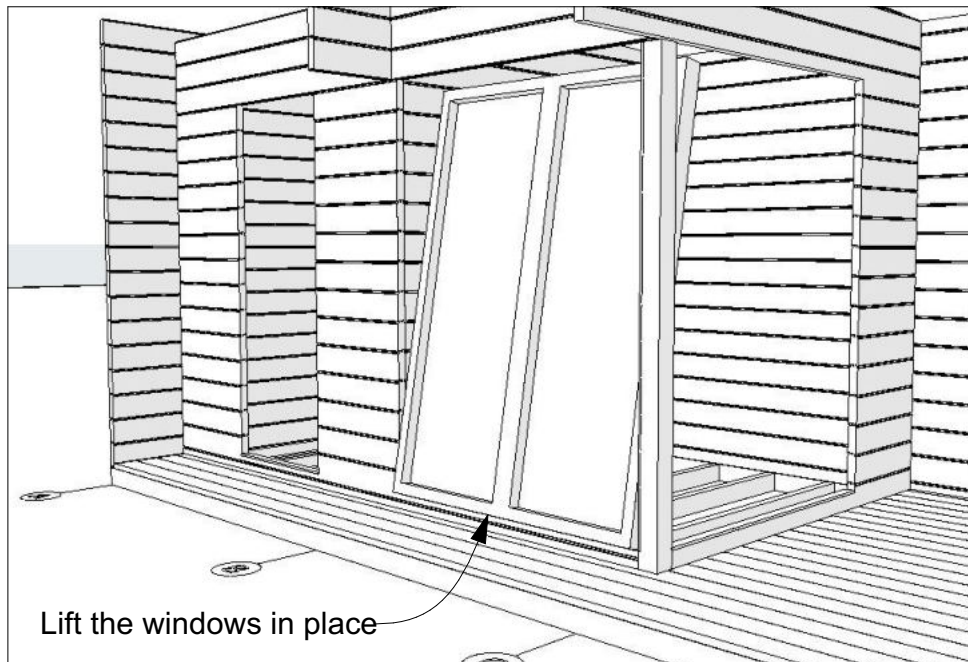
Side view:



Option B:

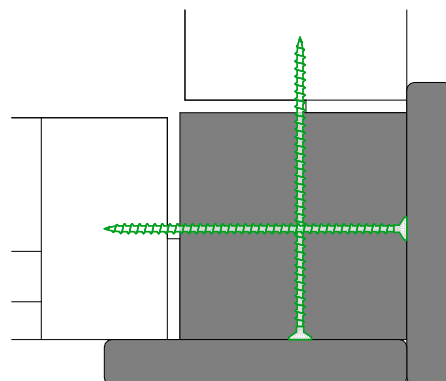
1. Attach the bottom, top and one side frame 45x45mm to the window leaf with 70mm screws.





Fix the window frame with log wall with 70mm screws. (Screws will be covered with window moulding)

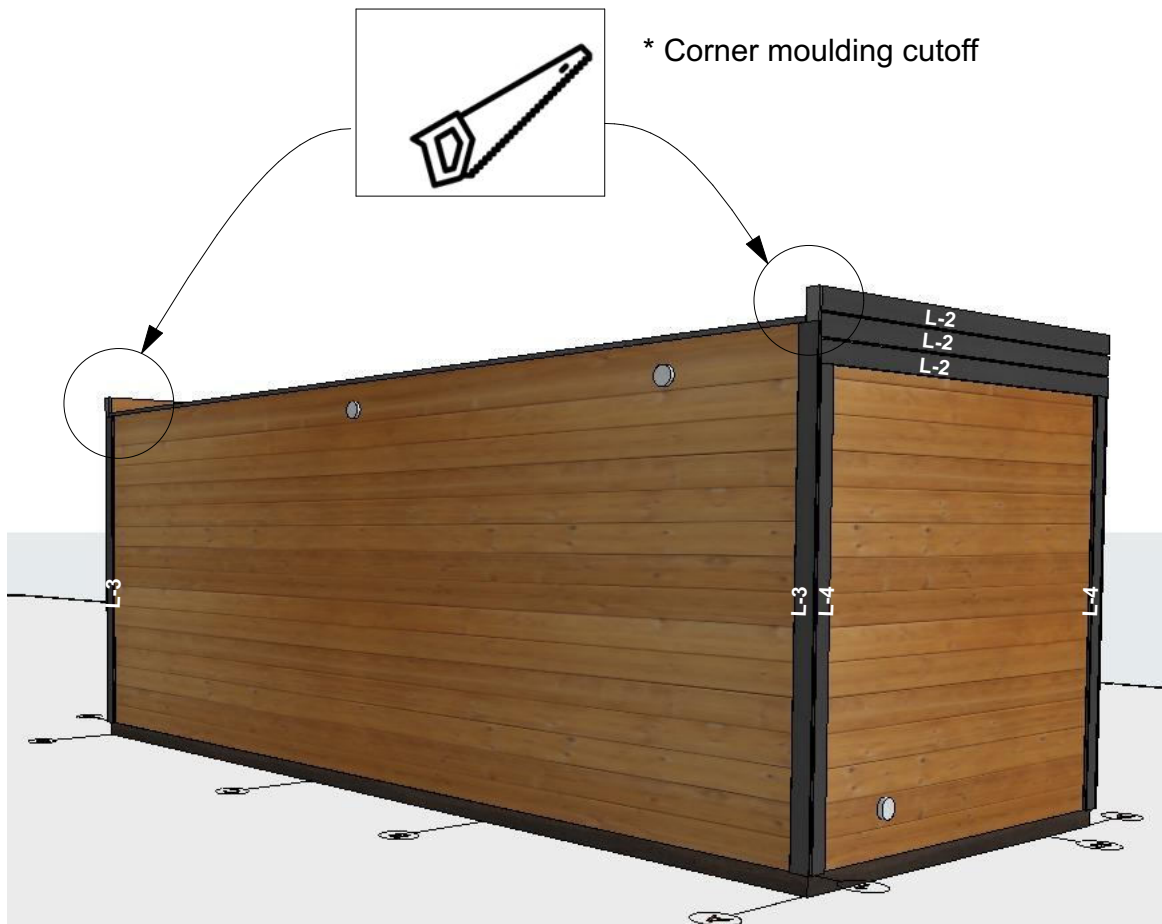
Fix Corner post with windows with 120mm screws (3pcs per side):



Mouldings

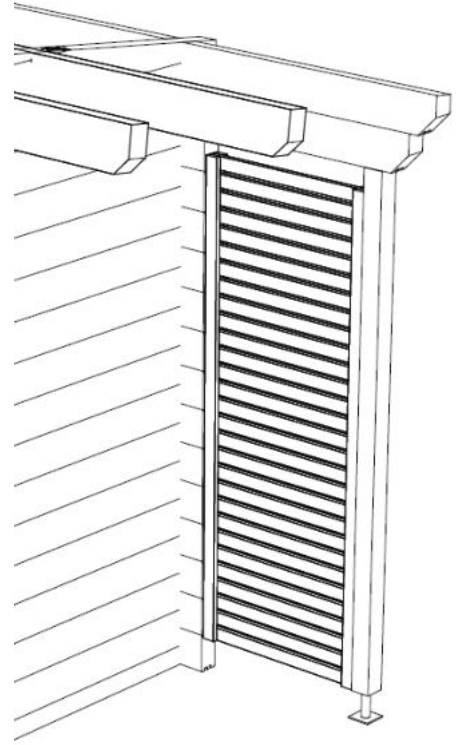
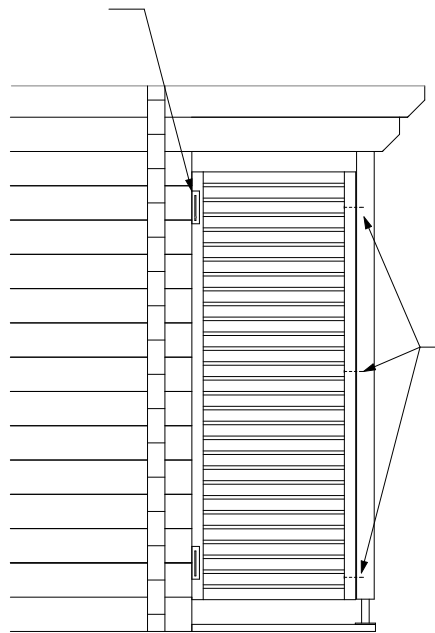
PATIO L PLUS

*Attatch the mouldings with 40mm screws



INSTALLATION OF THE GRID

Functional drawing

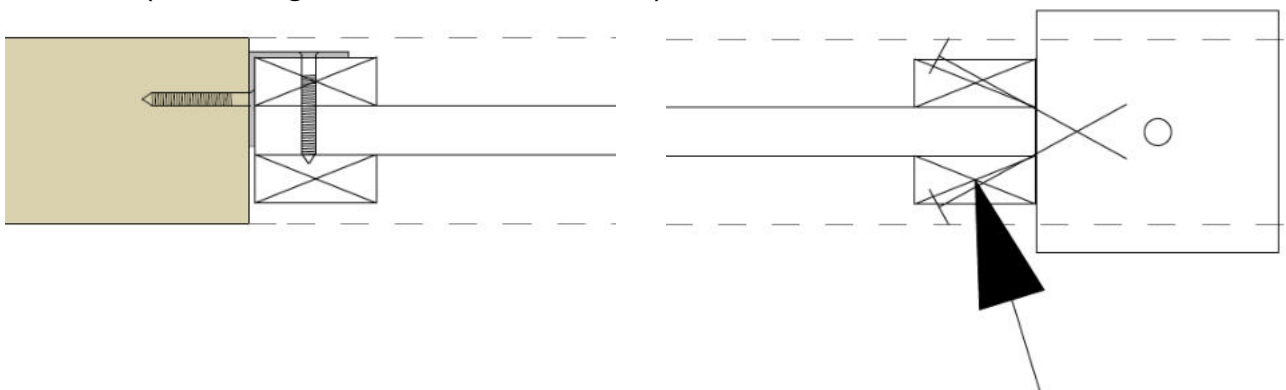


mitel

Sliding bracket 35x35x130

Install with 5x40 screws

Use M5 washer with screw to allow the wall logs to sink
(do not tighten the screw 100%)

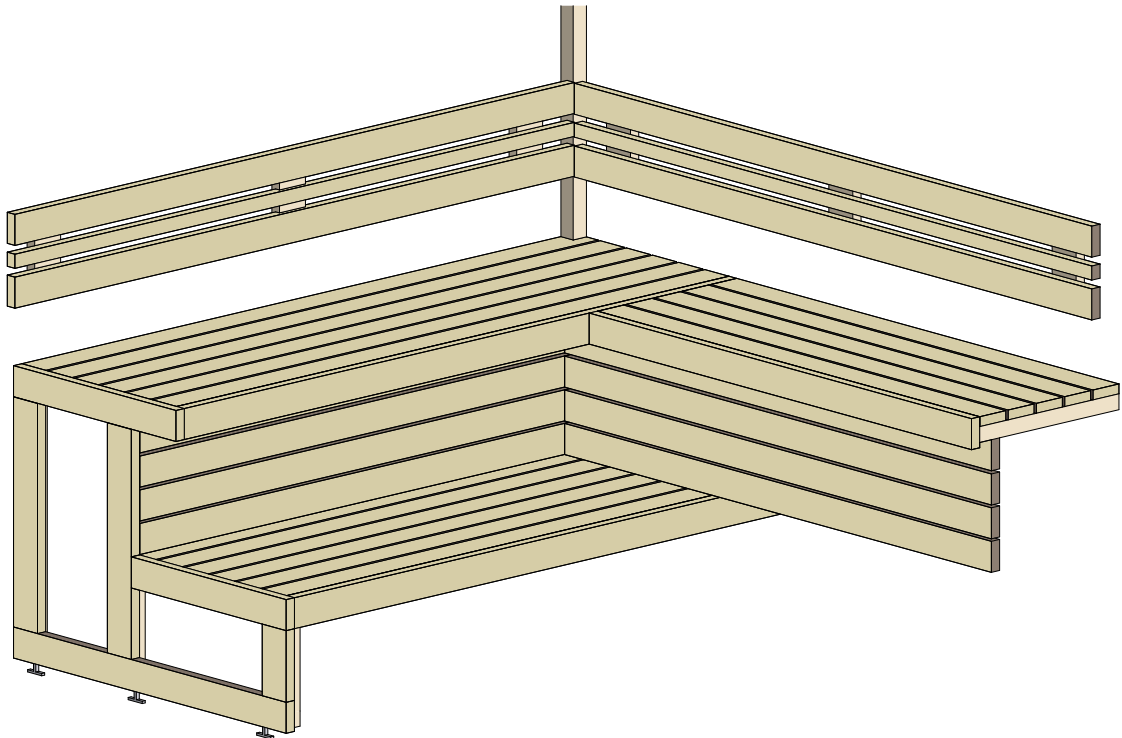


Fix the grid to corner post with a screw 5x80

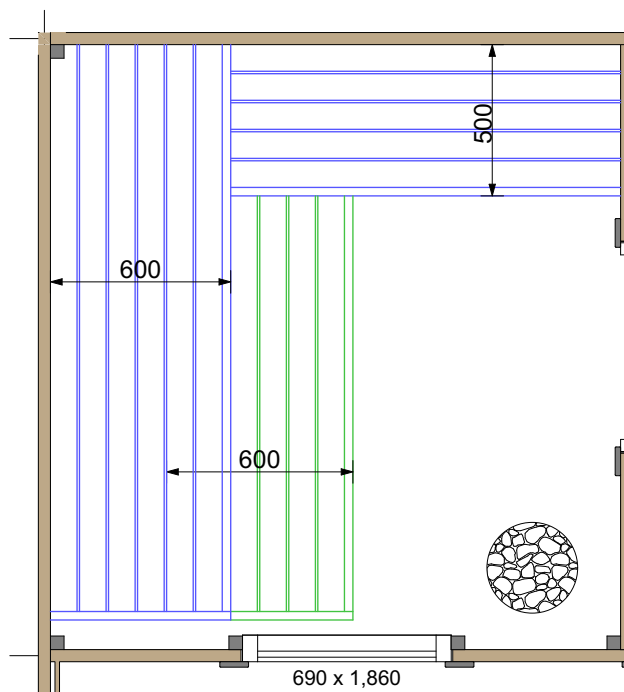
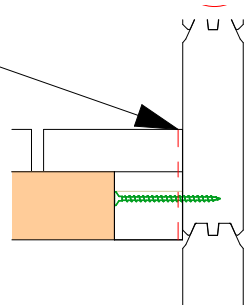
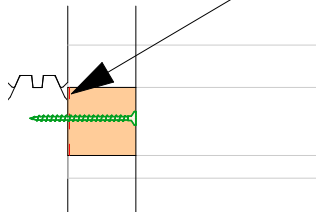
Sauna Benches

PATIO L PLUS

INSTALL SAUNA BENCHES AFTER DOOR/ WINDOW IS IN PLACE!



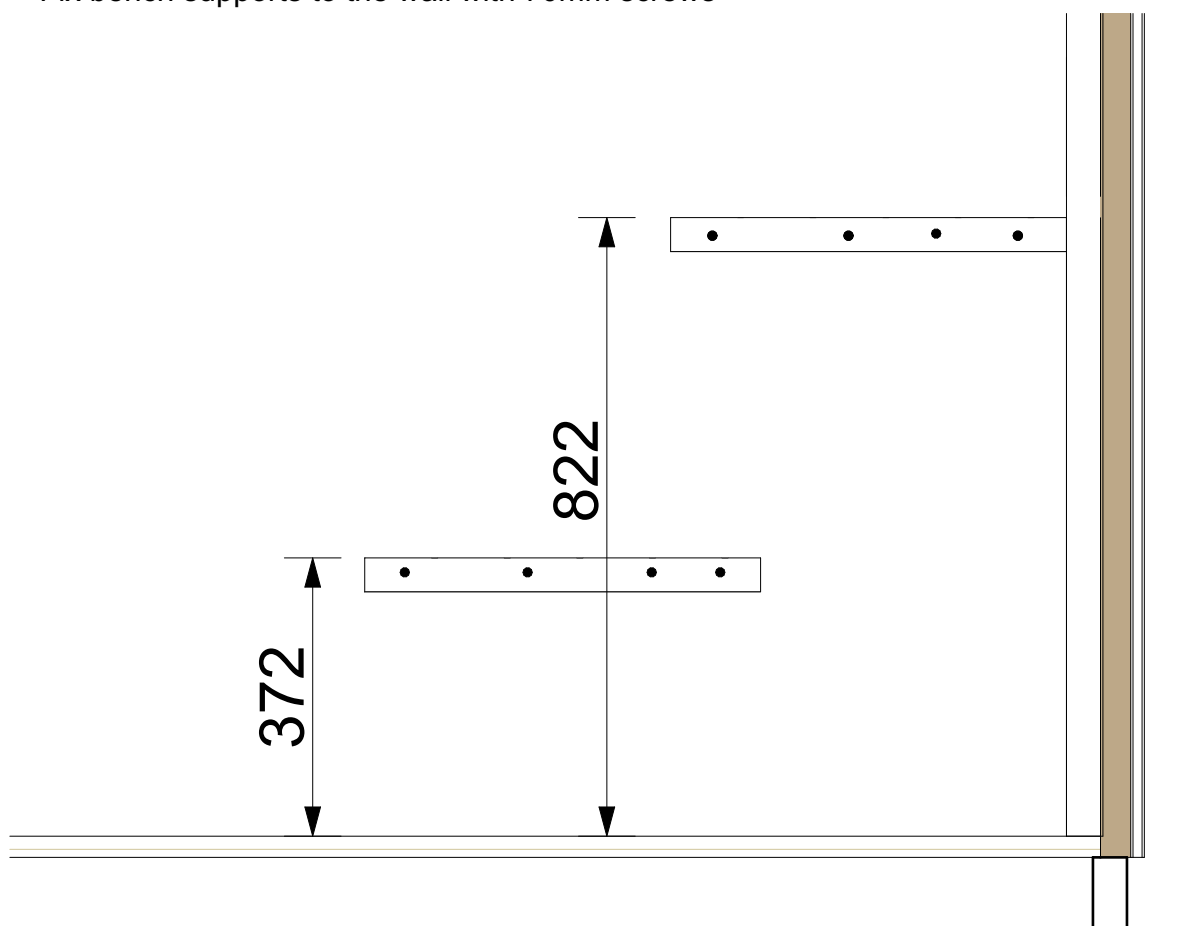
Reccomended to use glue to attach sauna bences to the wall



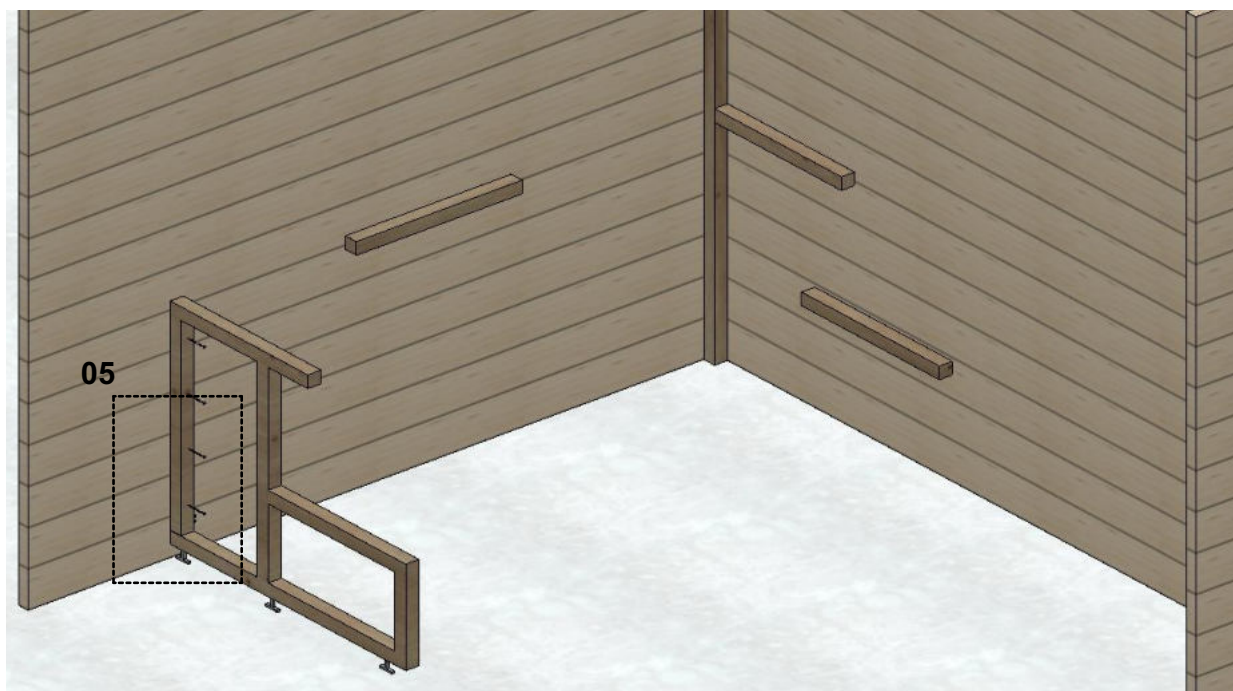
1. Fix bench supports to the wall with 70mm screws



Fix bench supports to the wall with 70mm screws

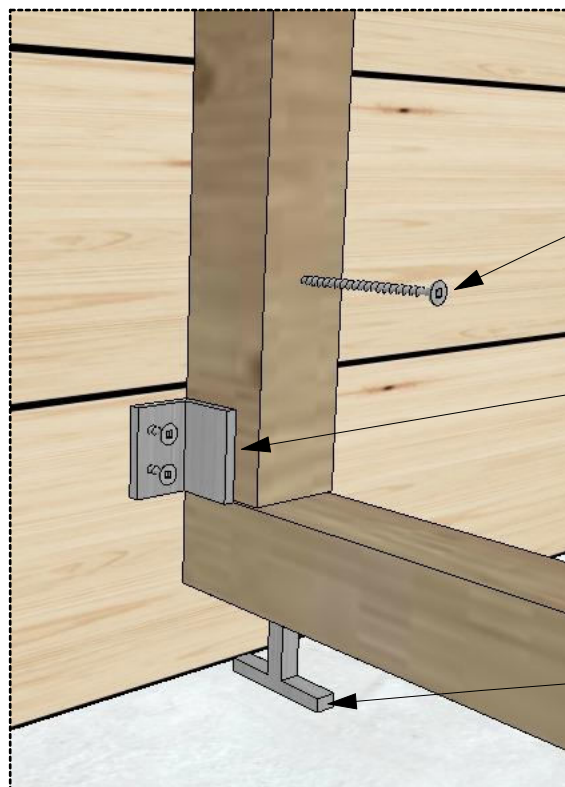


2. Fix side framing to the wall.



05

*Adjust height of the side framing with adjustable legs.



Screw 70mm

Metal Angle bracket

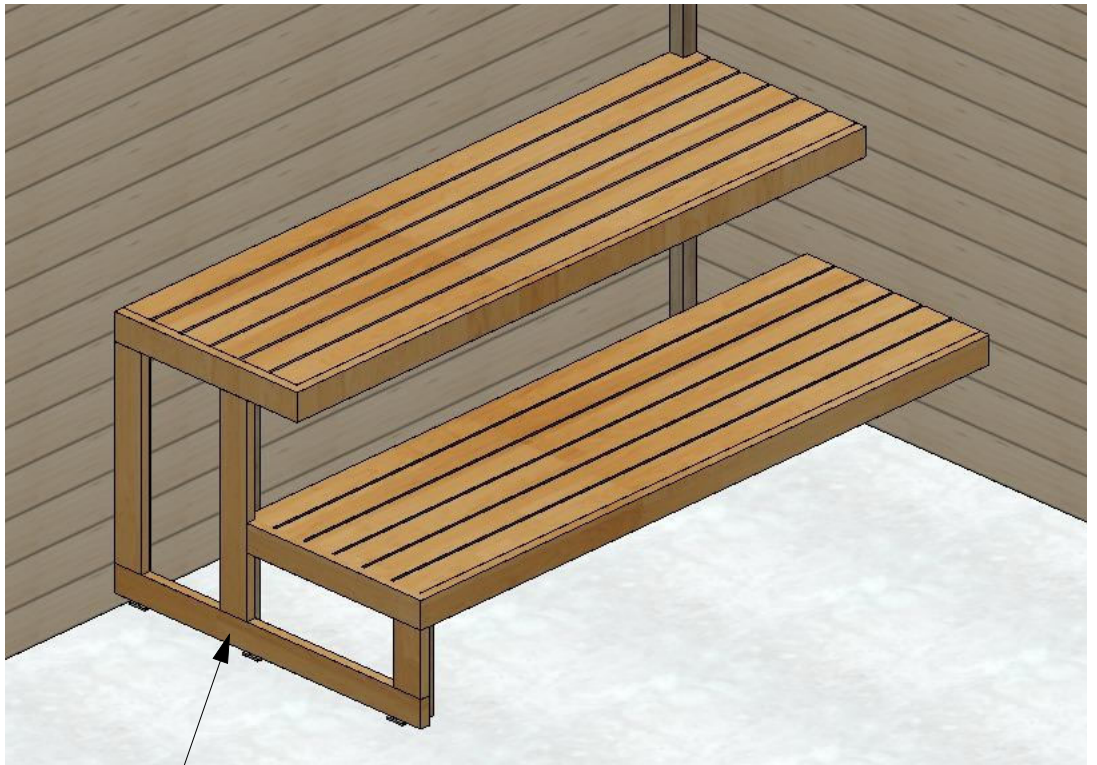
Adjustable leg

*Use screws and metal angle bracket to install side framing

3. Lift upper and lower bench on top of side framing/supports.

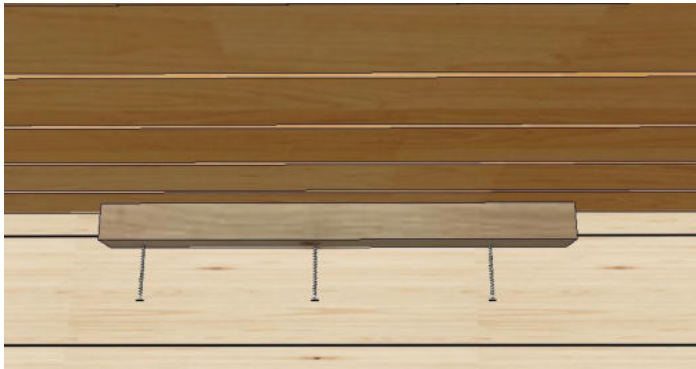


4. Fix bench supports/ framing with sauna benches



Install side panel
(if not installed in factory)

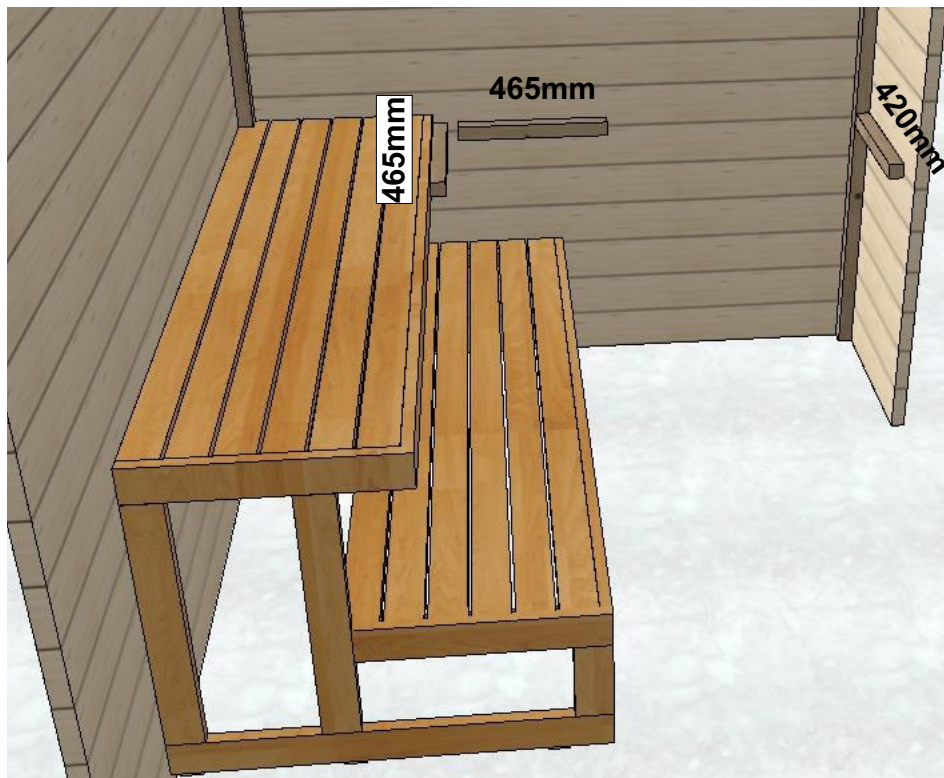
View under sauna bench:



View behind side panel:



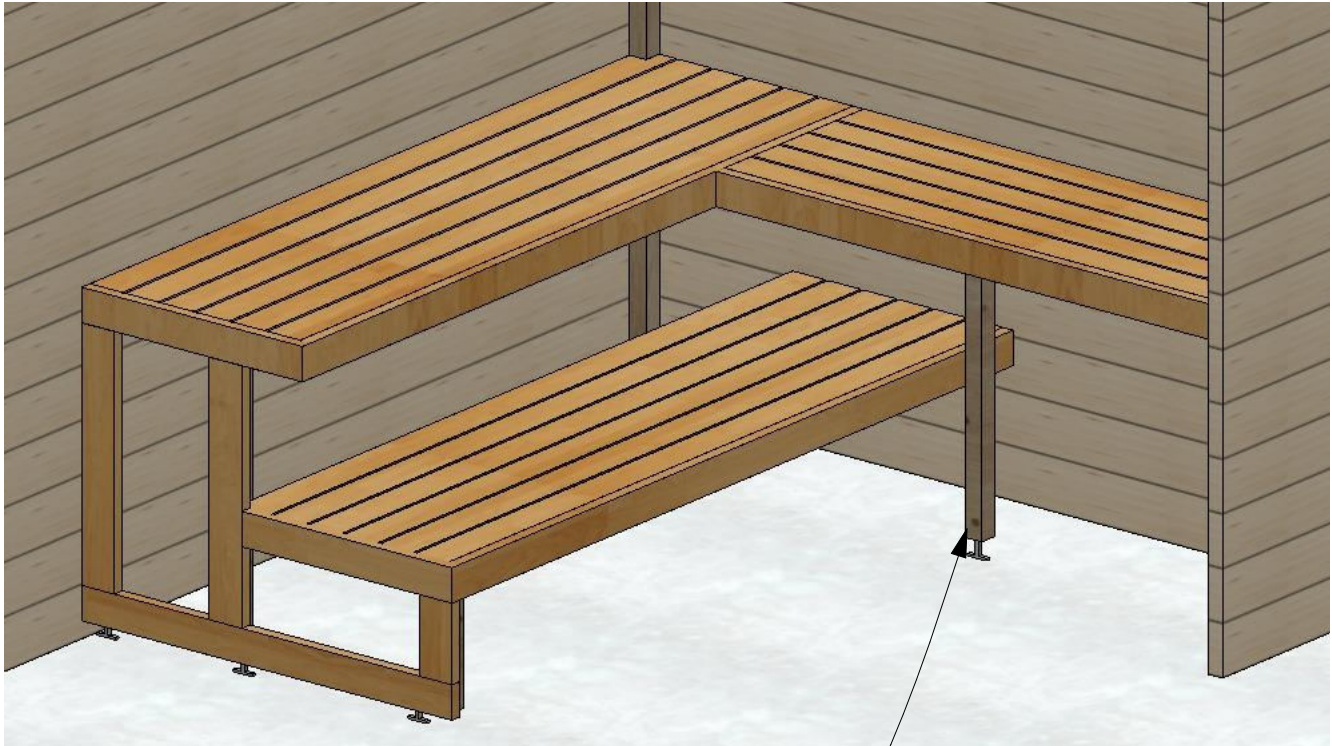
6. Fix bench supports to the wall/ upper bench



7. Lift upper bench on top of supports



If needed, install extra support. Adjust height with adjustable leg M10

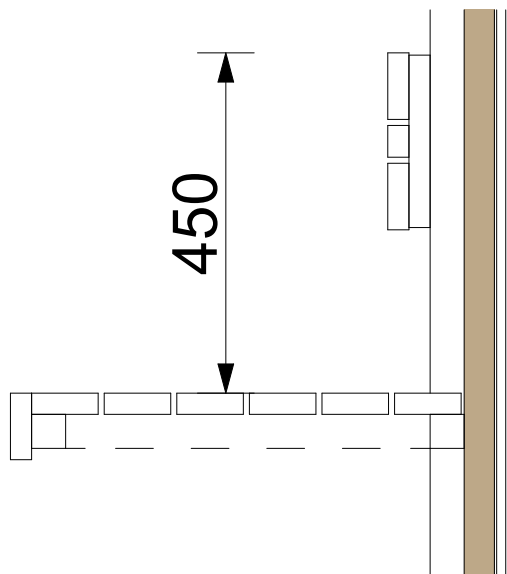


Extra support with adjustable leg

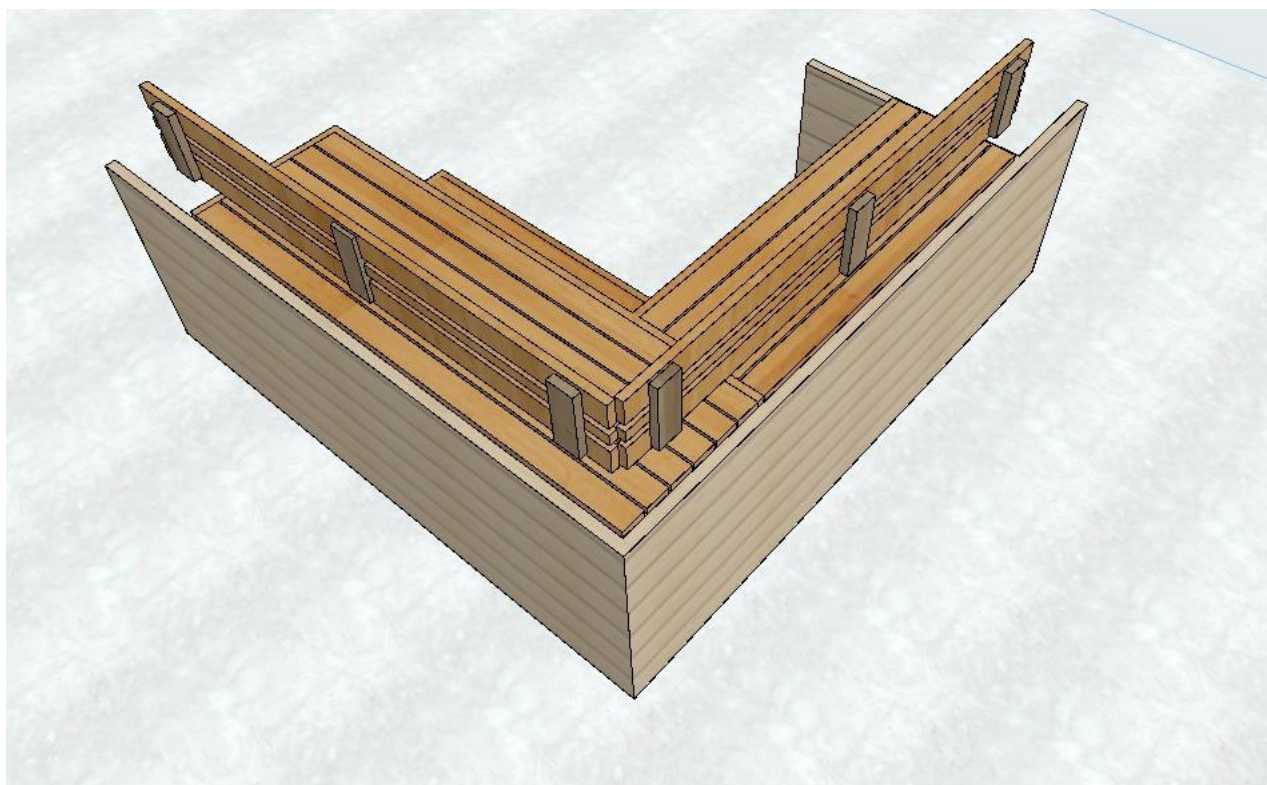
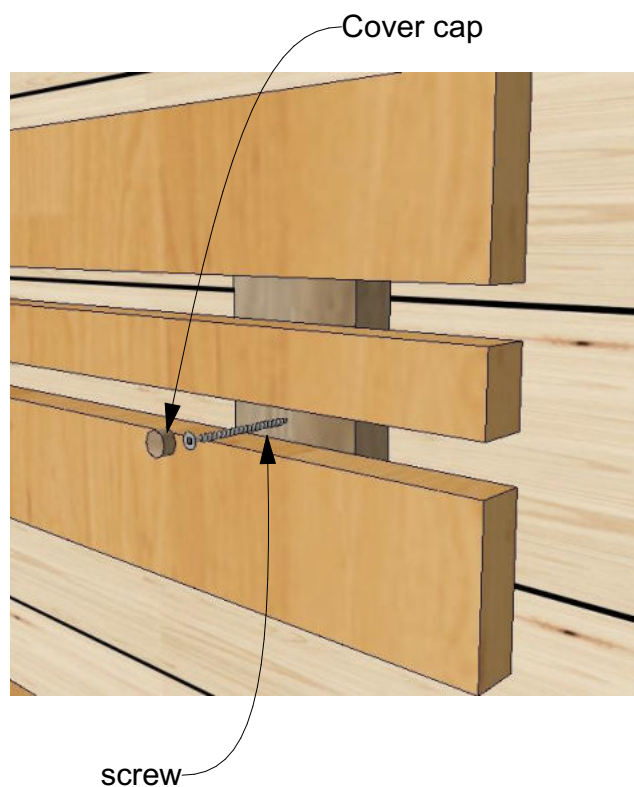
*Optional Back rests

PATIO L PLUS

Install back rest approximately 450mm higher than top bench



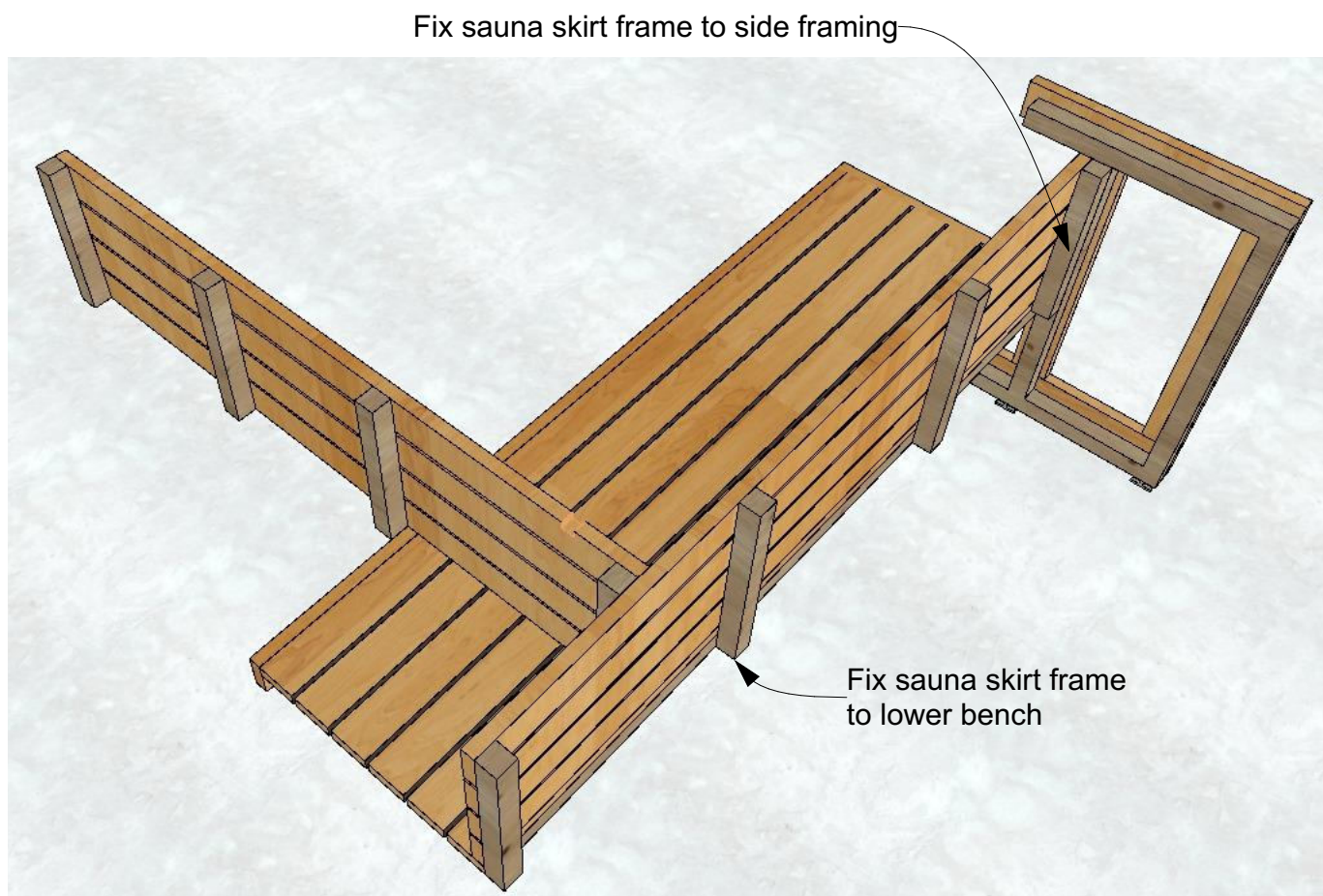
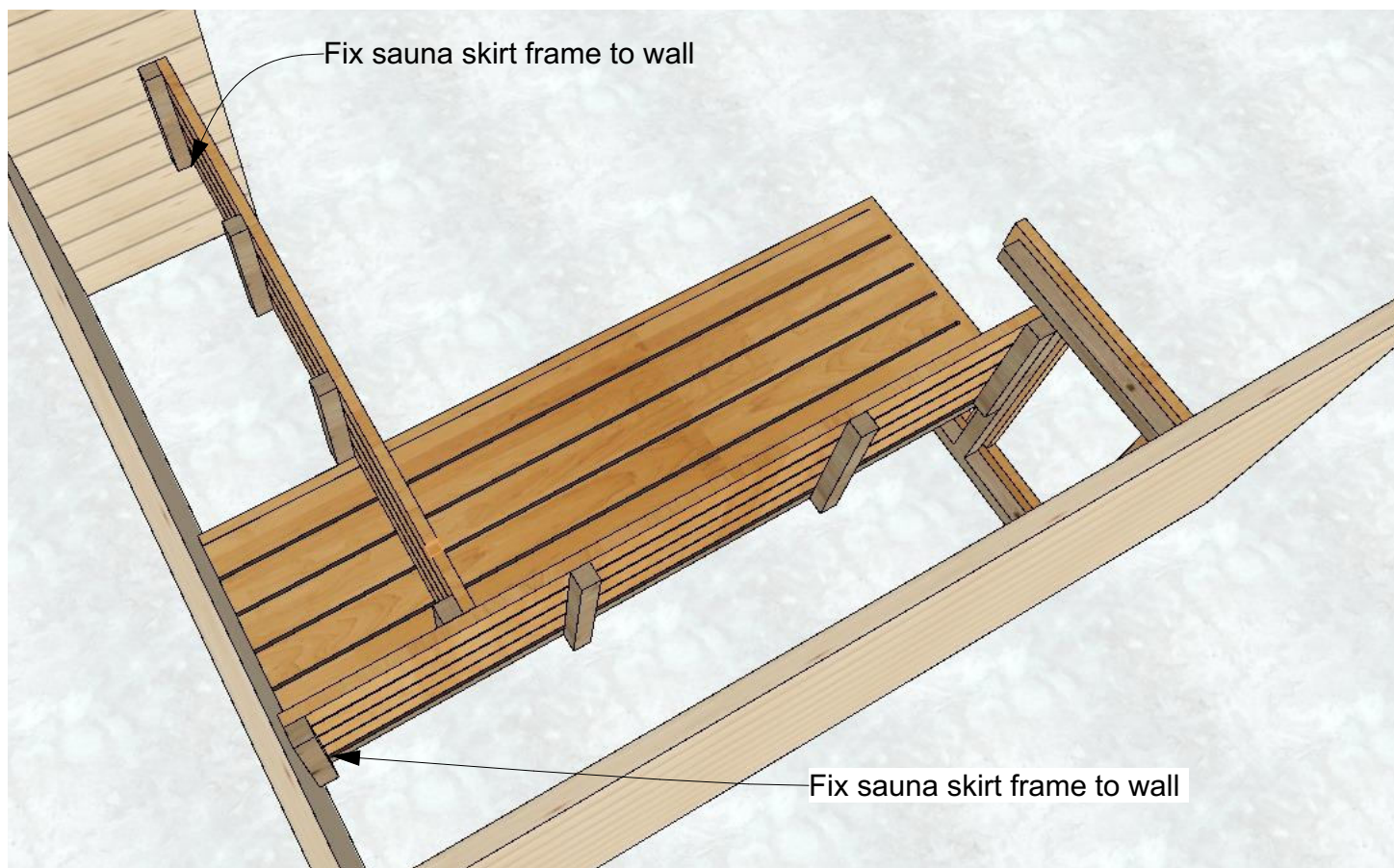
Cover screw holes with cover cap



*Optional Sauna Skirts

PATIO L PLUS

Fix Sauna skirts to wall/ lower bench/ side framing.



Ventilation Louvre and ventilation grid

PATIO L PLUS

Ø = 10cm



To install ventilation louvre and ventilation grid use saw or diamond drill bit.



Ventilation louvre wood



Ventilation grid

Install holes under ceiling

Install holes under sauna benches



EPDM roof cover

Tools:



SAFETY FIRTS!

IT IS RECOMMENDED TO USE GLOVES, SAFETY GLASSES AND RESPIRATOR WHEN APPLYING THE GLUE
ALSO APPLYING OF THE GLUE SHOULD BE DONE IN WELL VENTILATED AREA OR OUTSIDE!

1. Clean the roof surface from dirt, dust, ice , snow etc...
2. Check for defects before installing the roof cover.
3. Put the rubber roof cover in position and check for correct overhang.
4. Fold or roll the rubber roof cover and start applying the glue.
5. Apply the glue on the roof surface and on the rubber.
6. Wait until the glue is "Touch dry". (Nothing happens when the waiting time is too long)
7. Roll or fold the rubber roof cover in place, avoid air bubbles and wrinkles on the roof surface. Smoothen the roof cover with a broom or brush.
8. When the rubber roof cover is in place, cut the excess rubber.

1.
7.



3.



5.

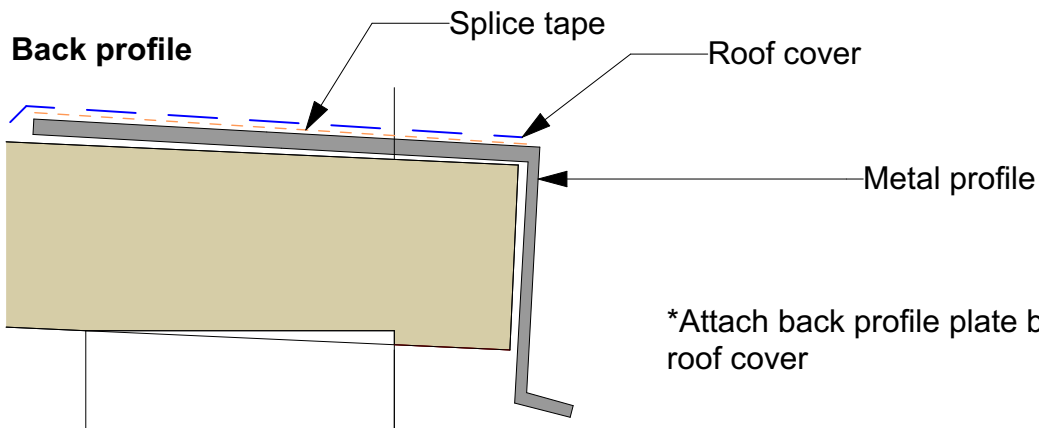


8.



EPDM roof cover

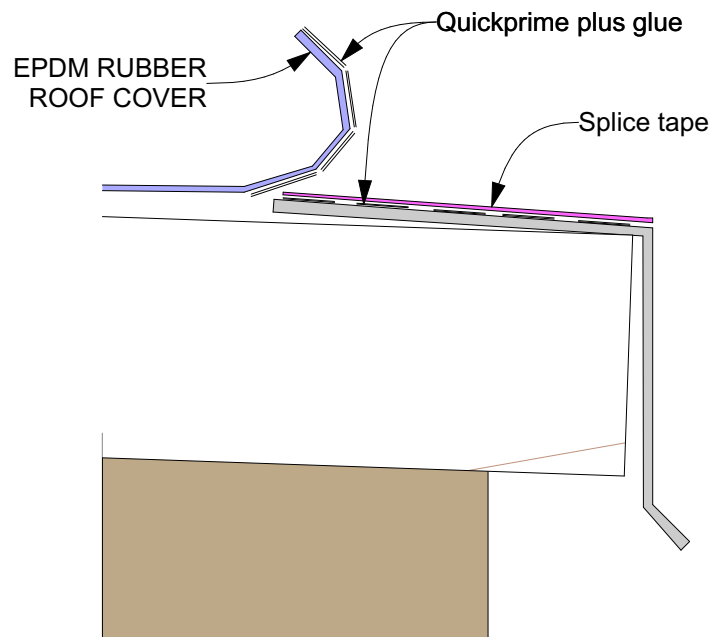
Back metal profile and rubber roof cover:



*Attach back profile plate before roof cover

When installing the back profile apply Quicprime plus glue on top of the metal profile. Then apply the splice tape (2 sided) on top of the metal profile.

Use Quicprime plus glue and apply it on the rubber surface and on the metal roofing sheet



Remove the top side of the splice tape and apply the glued rubber roof cover on top of the tape



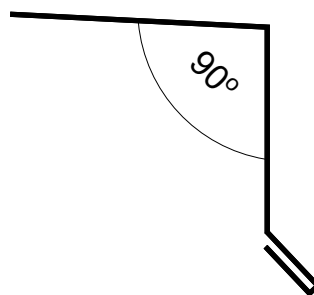
Remove the top side of tape

Patio metal roof profiles

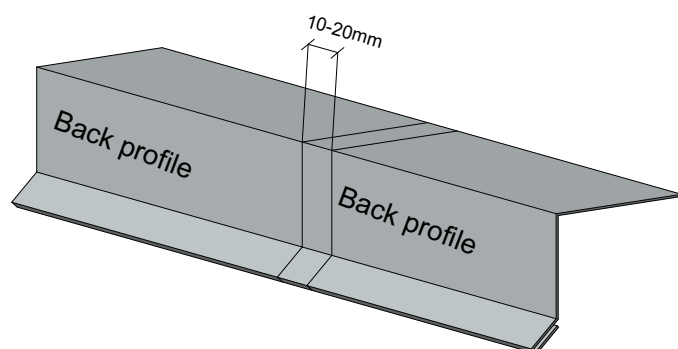
Side and front profile



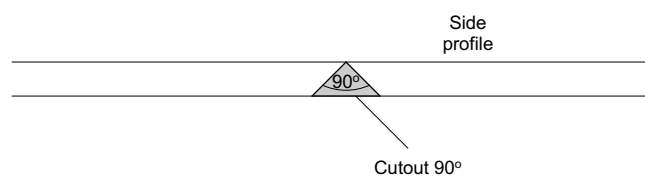
Back profile



*If there is 2 pieces of back profile, leave about 10-20mm overlap and fix with screws



Back corner:



Front corner:

