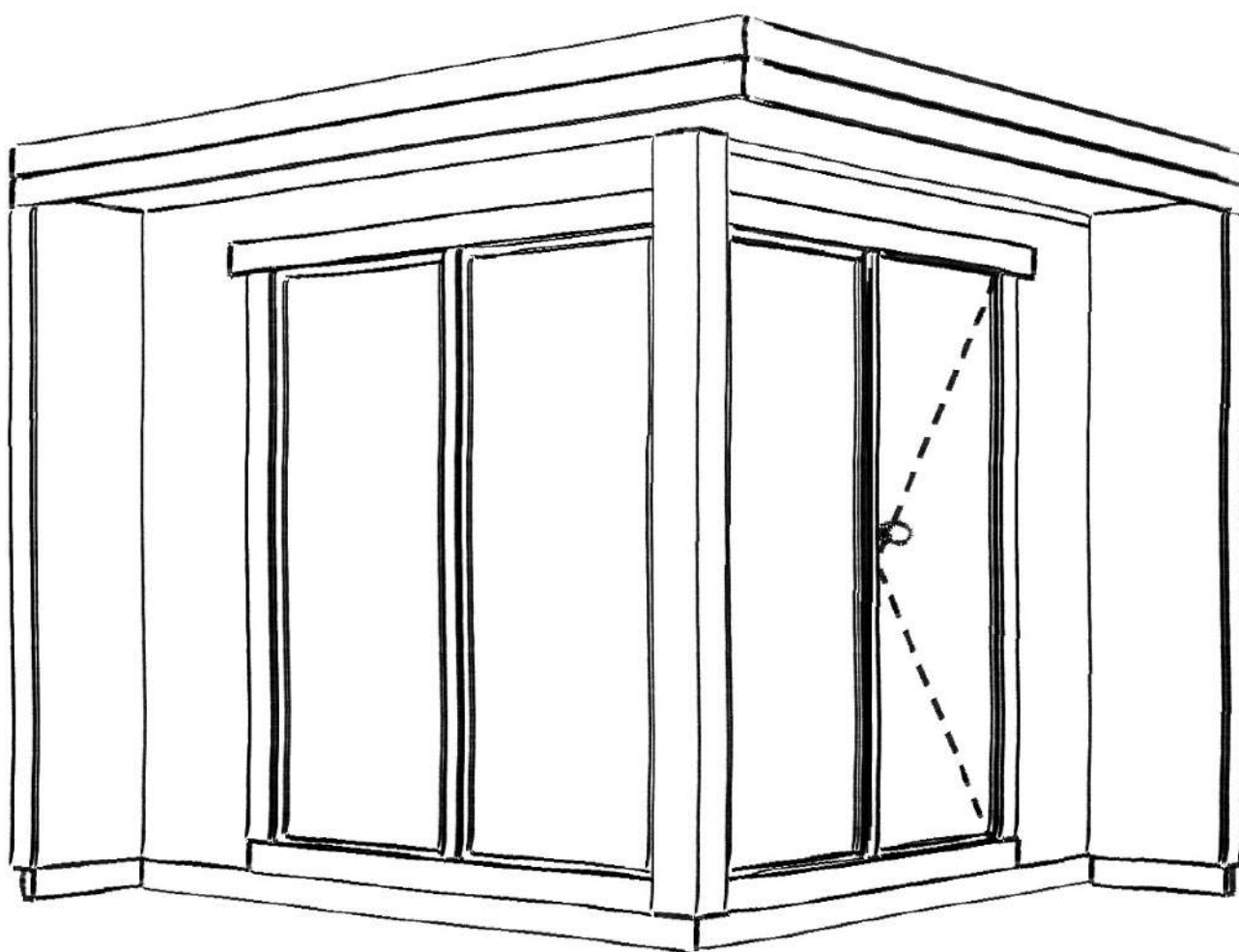


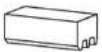
Patio S Sauna

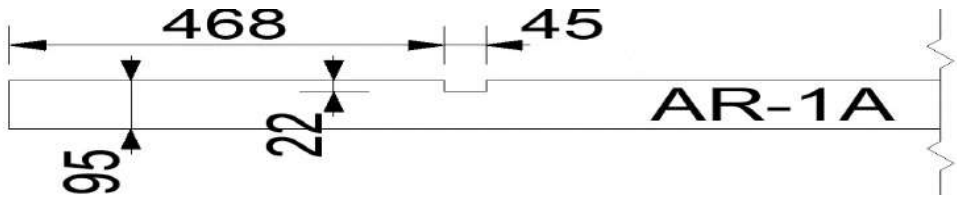



PATIO S

Marking		Patio S	Lenght	pcs	
P-1	90x90 POST		2240	1	



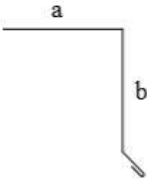
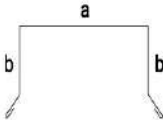
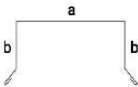
PATIO S					
WALL LOGS					
Marking		Note	Lenght	pcs	
01	40x146 WALL LOG		2500	16	
EXTRA	40x146 WALL LOG		2500	2	
01B	40x146 WALL LOG	Width 136 (drawing)	2500	1	
01C	40x146 WALL LOG	Block 40x30 for roof	2500	1	
02	40x146 WALL LOG		2460	15	
02B	40x146 WALL LOG	Width 136 (drawing)	2460	1	
03B	40x146 WALL LOG	Width 68 (drawing)	2420	1	
04	40x146 WALL LOG		2040	1	
04B	40x146 WALL LOG	Window cutout	2040	1	
05	40x146 WALL LOG		2000	1	
05B	40x146 WALL LOG	Window cutout	2000	1	
05C	40x146 WALL LOG	Roof Gable	2000	1	
06B	40x146 WALL LOG	Window cutout	1950	2	
07	40x146 WALL LOG		560	26	
	HITTING BLOCK			2	
Cutout drawings in a seperate page					

PATIO S					
FLOOR FRAME					
Marking		Note	Lenght	pcs	
AR-1A	45x95 FLOOR FRAME	Cutout drawing	2495	1	
					
AR-2	45x95 FLOOR FRAME		2450	1	
AR-3	45x95 FLOOR FRAME		2025	1	
AR-4	45x95 FLOOR FRAME		1980	8	
AR-5	45x70 FLOOR FRAME	45x70!	1980	1	
ROOF BOARD, FLOOR BOARD					
Marking		Note	Lenght	pcs	
KL-1	24x120 ROOF BOARD		2530	22+2	
PL-1	24x120 FLOOR BOARD		1527	18	
PL-2	24x120 FLOOR BOARD		438	18	
BEAMS 45x95					
Marking		Note	Lenght	pcs	
T-1	45x95 BEAM FRONT SIDE ROOF	45x95!	2420	1	
T-2	45x95 BEAM SAUNA CEILING	45x95!	1995	2	
FRAMES, POSTS...					
Marking		Note	Lenght	pcs	
EXTRA	45x45 BEAM		2500	1	
T-4	45x45 BEAM		2420	1	
P-1	45x45 CORNER POST	CUT IN SITE	2240	1	
P-2	45x45 CORNER POST	CUT IN SITE	2170	2	
UR-1	45x45 DOOR FRAME		1950	2	
T-5	45x45 BEAM		1910	2	
UR-2	45x45 DOOR FRAME		1380	4	

PATIO S					
MOULDINGS, LINING BOARDS					
Marking		Note	Lenght	pcs	
L-0	18x120 CORNER MOULDING	18x120! CUT TO LENGHT	2185	2	
EXTRA	18x95 MOULDING/ TEMPORARY SUPPORT		2550	2+2	
L-1	18x95 ROOF MOULDING		2540	2	
L-2	18x95 ROOF MOULDING		2520	4	
L-3	18x95 CORNER MOULDING		2345	2	
L-4	18x95 CORNER MOULDING		2150	4	
UL-1	18x95 DOOR MOULDING		1810	2	
UL-2	18x95 DOOR MOULDING		1530	2	
UL-3	18x95 DOOR MOULDING		1450	2	
UL-4	15x55 DOOR MOULDING	15x55!	1810	1	
DI-00	18x18 CEILING MOULDING		~2.4	4	
DI-0	45x45 CORNER MOULDING		~2.2	3+1	
DI-1	15x55 DISTANCE BOARD FOR OUTER LINING BOARDS		2170	4	
DI-2	15x55 DISTANCE BOARD FOR SAUNA CEILING		1995	2	
DI-3	15x55 CEILING- AND BASEBOARDS		~2.2	7+2	
STP-1	14x121 CEILING LINING BOARDS		1990	19+2	
STP-2	14x121 OUTER LINING BOARDS		420	84+2	
	WATER DRAINAGE DETAIL		2000+	1	

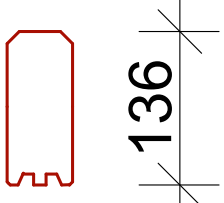
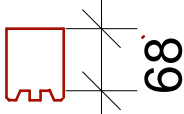
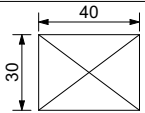
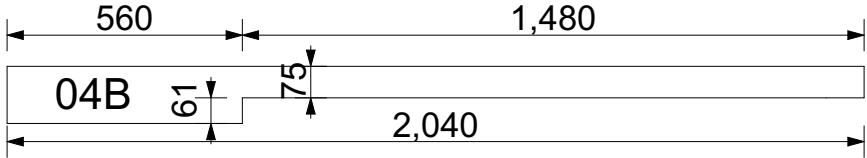
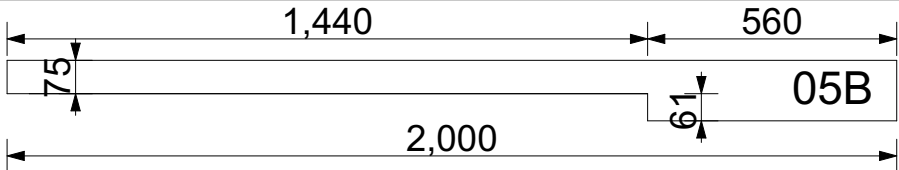
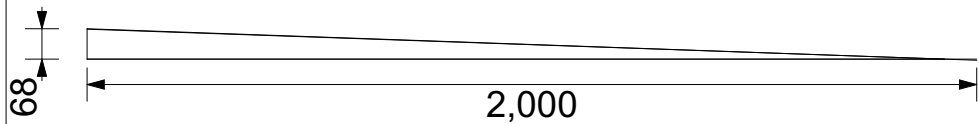
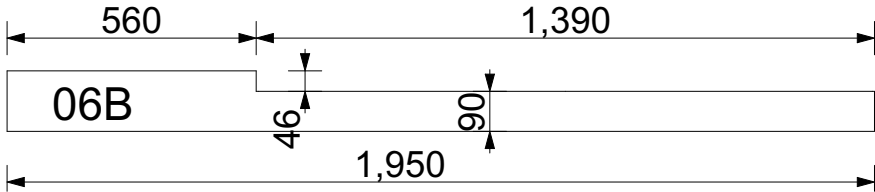
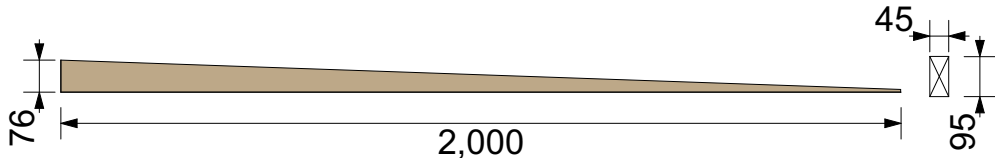
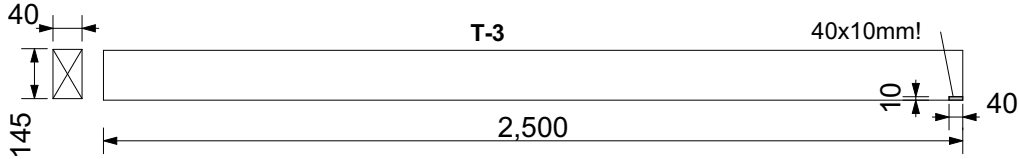
PATIO S					
SAUNA BENCHES, EXTRAS					
Marking		Note	Lenght	pcs	
	SAUNA BENCH 600x1874			1	
	SAUNA BENCH 600x1874			1	
	SAUNA BENCH 500x1399			1	
	SAUNA BACK REST 1900x244			1	
	SAUNA BACK REST 1845x244			1	
	BENCH SKIRT 376x1874			1	
	BENCH SKIRT 376x1563			1	
	BENCH SUPPORT SET 45x45			1	
	BENCH SIDE FRAME 1000x829 + M10 adjustable legs 3TK			1	
	VERTICAL SUPPORT + ADJUSTABLE LEG M10	800+M10			
	SPU INSULATION 30x600x1200			6	
	FOIL TAPE			1	
	Moisture safety tape 10M			1	
	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	
DOOR, WINDOWS					
	GLASS DOOR 88x690x1860 BRONZE PREMIUM HANDLE	WITHOUT FRAME		1	
	WINDOW 88x690x1860 BRONZE	WITHOUT FRAME		3	

PATIO S					
SCREWS, ETC...					
Marking		Note	Lenght	pcs	
	JOIST HANGER 45x97			4	
	SCREW 120 FOR CORNER WINDOW			10	
	SCREW 5x40 JOIST HANGERS			50	
	SCREW 6x180 EVERY WALL LOG ROW			300	
	SCREW 5x90 FOR FLOOR FRAME			200	
	SCREW 4.5x70 WALLS AND SAUNA BENCHES			500	
	SCREW 3x40 MOULDINGS			200	
	SCREW 3.5x50 FLOOR BOARDS			300	
	NAIL 30 LINING BOARDS			500	
	NAIL 70 ROOF BOARDS			300	
	VENTILATION LOUVER D100			1	
	VENTILATION GRID D100 METAL			3	
	METAL ANGLE BRACKET 90x90x65x2.5			2	
	METAL ANGLE BRACKET 40x40x40 FOR SAUNA BENCH			1	

PATIO S					
EPDM ROOF COVER 2.5x2.5m					
	SCREWS FOR METAL ROOFING SHEETS		50	50	
	4.2x25 FOR ROOF BACK PROFILE		15	pcs	
	EPDM ROOF COVER 2720x3.05m		8.5	m2	
	EPDM GLUE 2,5L		2.5	L	
	EPDM QUICKPRIME (Little container)		1	pcs	
	EPDM SPLICE TAPE		2.6	jm	
	PAINT ROLLER+ HANDLE		1	pcs	
	METAL ROOFING SHEET			1	
	METAL ROOFING SHEET		2720	2	
	METAL ROOFING SHEET		2520	1	

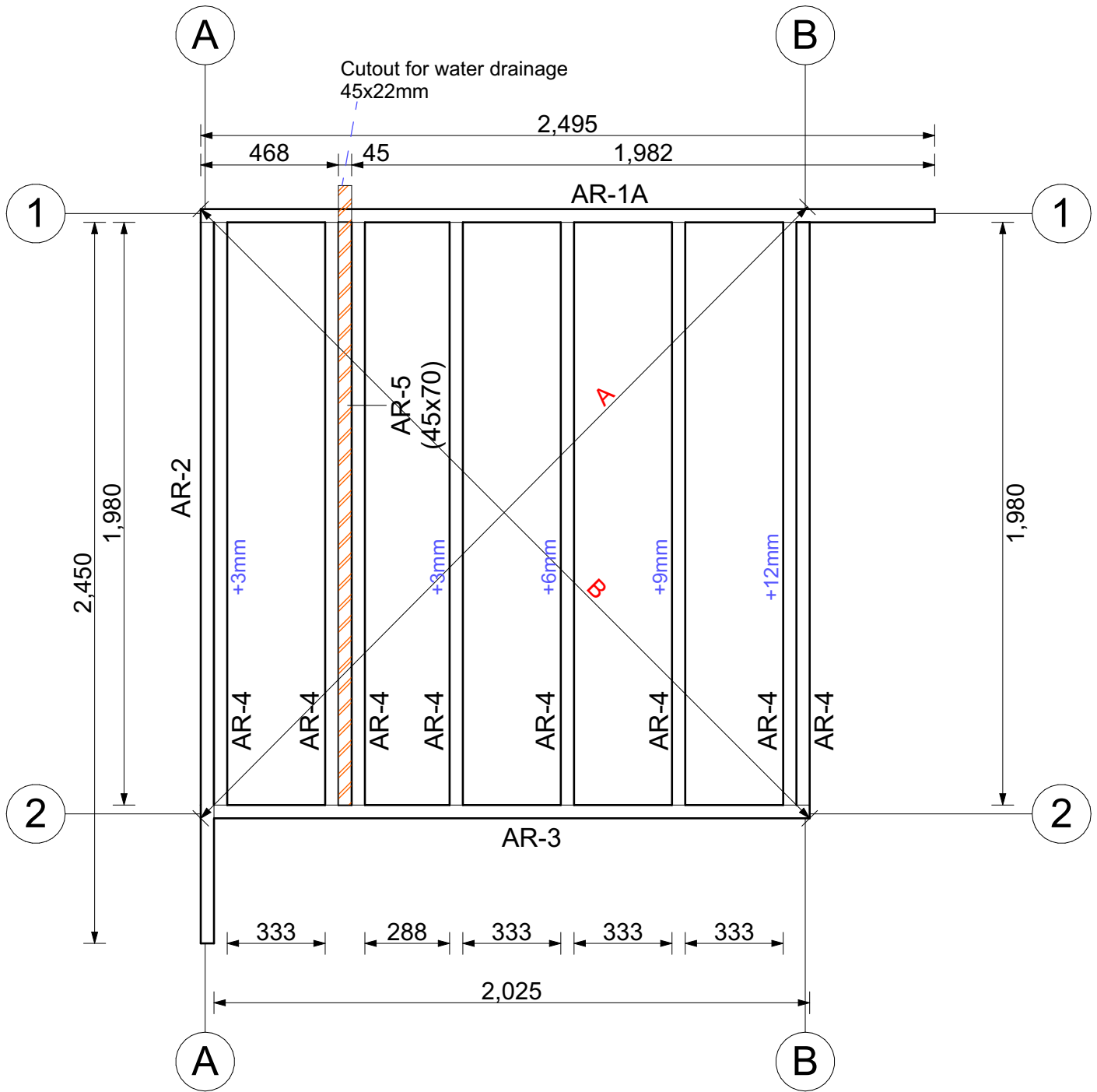
Patio S wall logs:

PATIO S

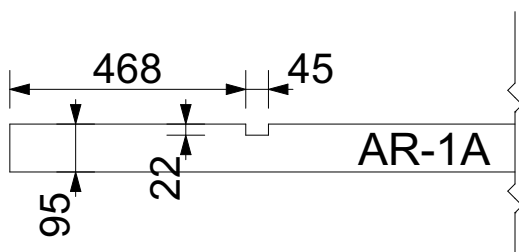
01B	1pcs	2500	
02B	1pcs	2460	
03B	1pcs	2420	
01C	1pcs	2420	
04B	1pcs	2040	
05B	1pcs	2000	
05C	1pcs	2000	
06B	2pcs	1950	
	1pcs	2000	
	1pcs	2500	

Floor frame

PATIO S



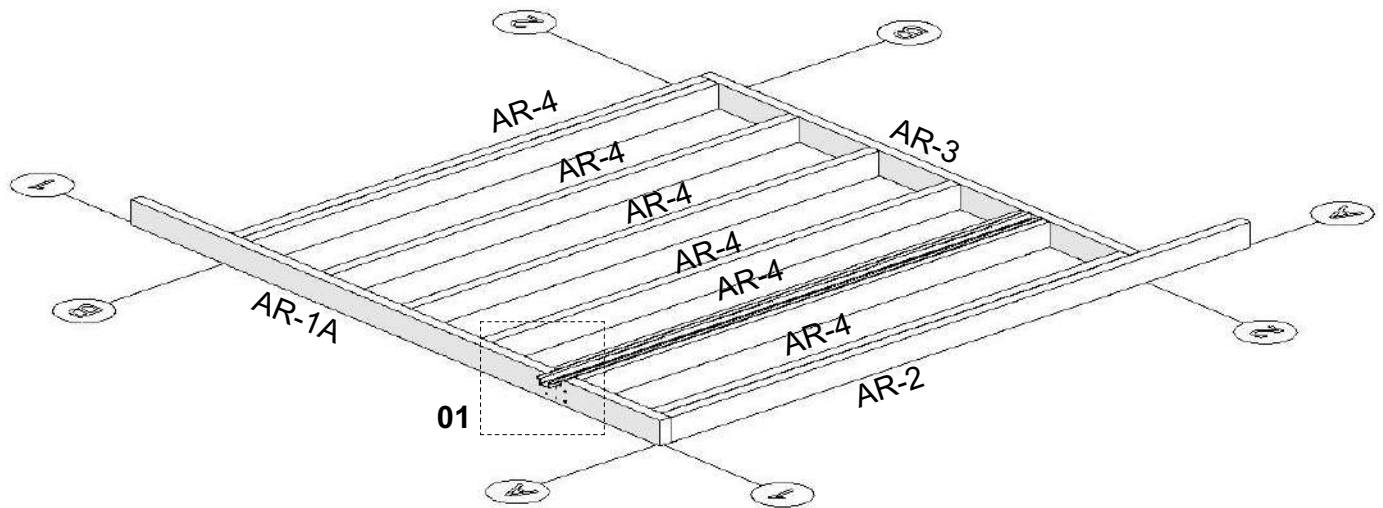
* Check floor frame diagonals! A=B



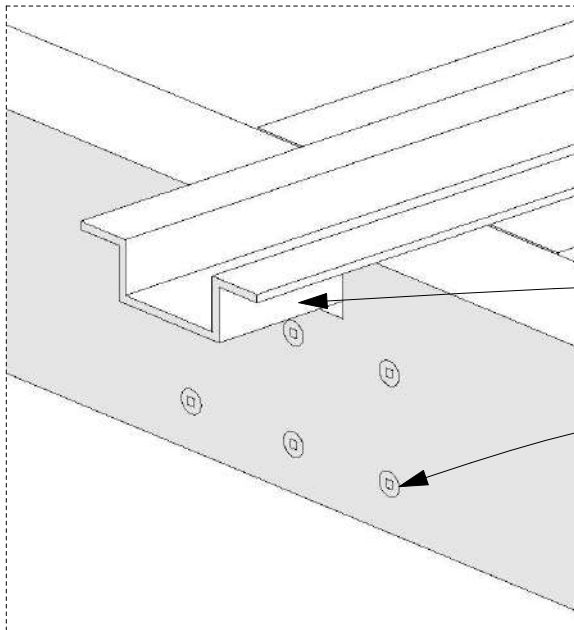
<u>AR-1A = 2495mm</u>	<u>1pcs</u>
<u>AR-2=2450mm</u>	<u>1pcs</u>
<u>AR-3=2025mm</u>	<u>1pcs</u>
<u>AR-4=1980mm</u>	<u>8pcs</u>
<u>AR-5=1980mm (45x70)</u>	<u>1pcs</u>

Floor frame

PATIO S



01



*Use 90mm screws and battery drill



Water drainage detail

Screws 90mm

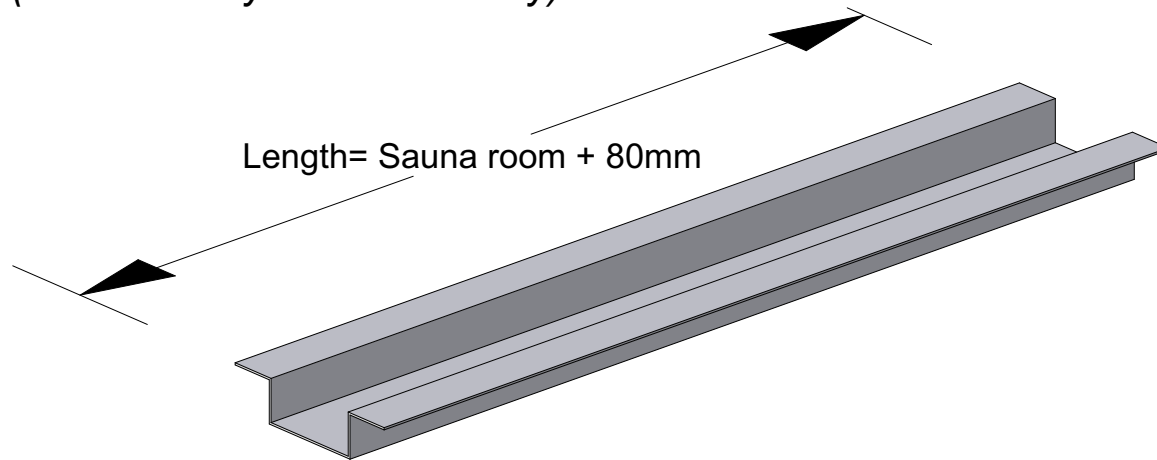
Take care! Sharp edges!

*Install water drainage detail before first log wall row

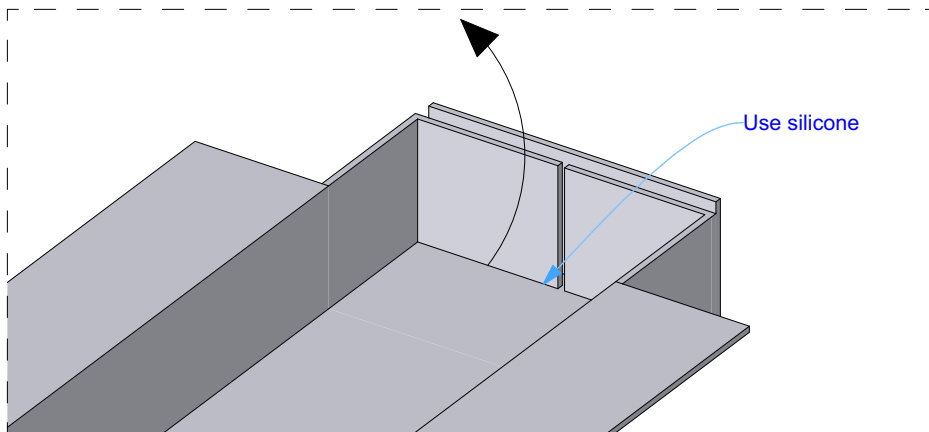


Water Drainage Detail

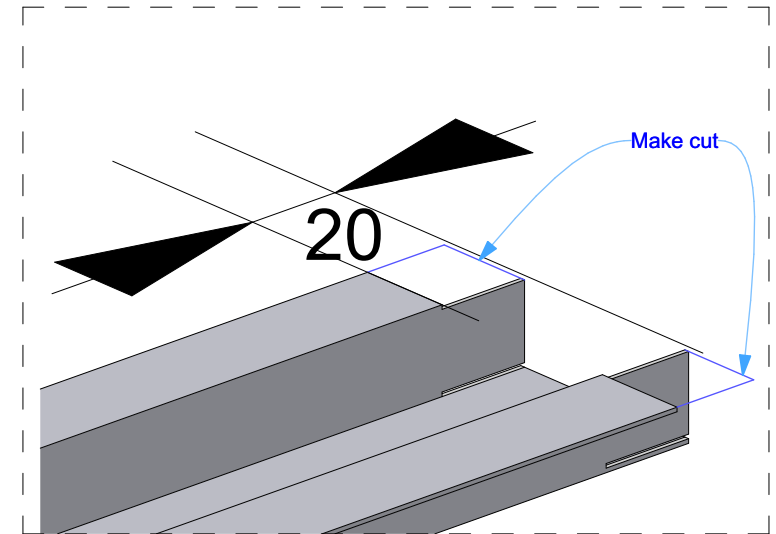
*Use sheet metal scissors, protective gloves and pliers to prepare water drainage for installing.
(If not already done in factory)*



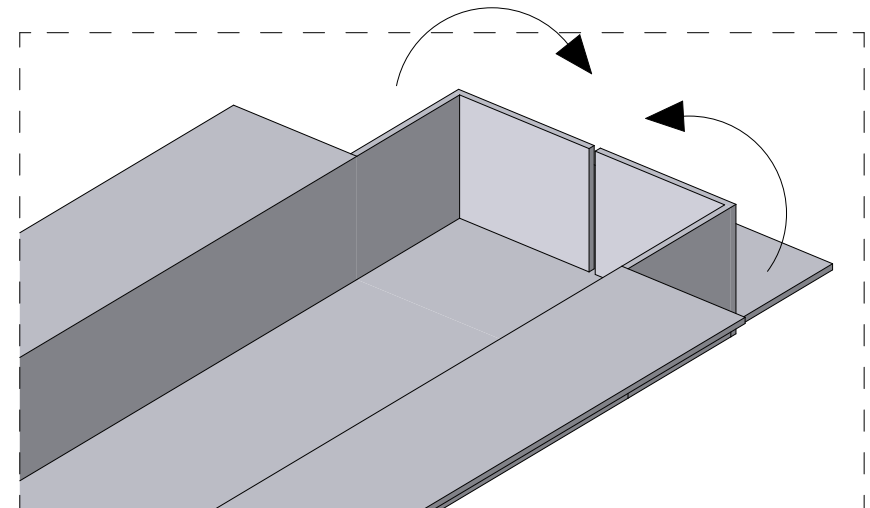
3. Twist back upward. (Suggestion: Use silicone for moisture safety)



1. Cut 20mm off water drainage detail



2. Twist sides inside water drainage detail

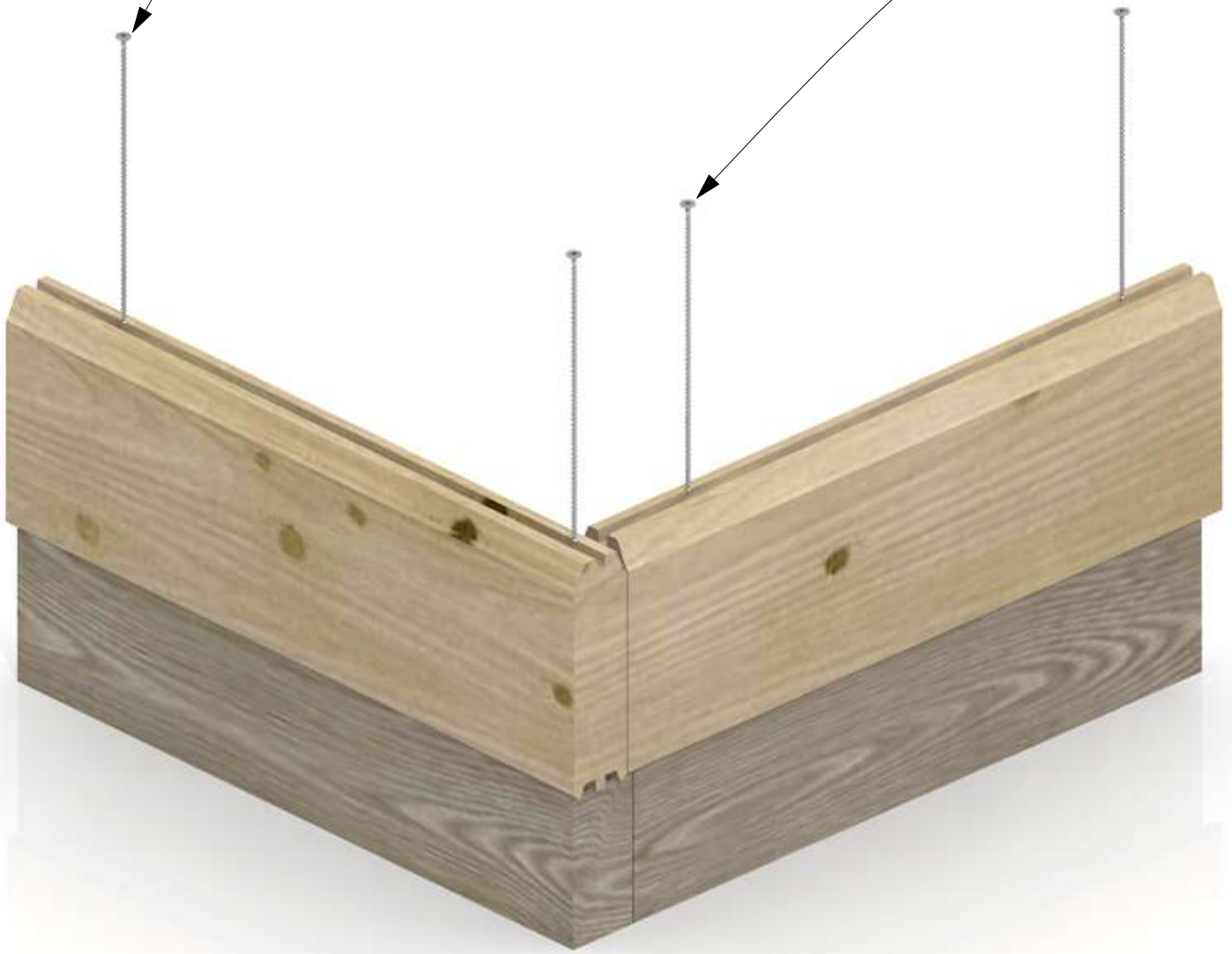


First row

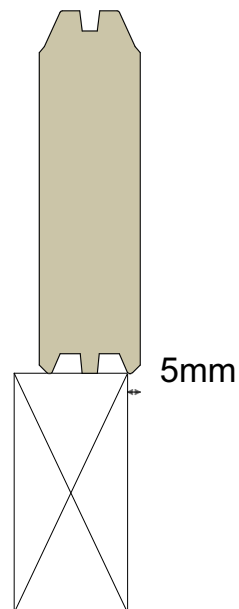
Install first log wall row with 180mm screws.
(Suggestion: Drill hole before screwing)

Screw 180mm

Screw 180mm

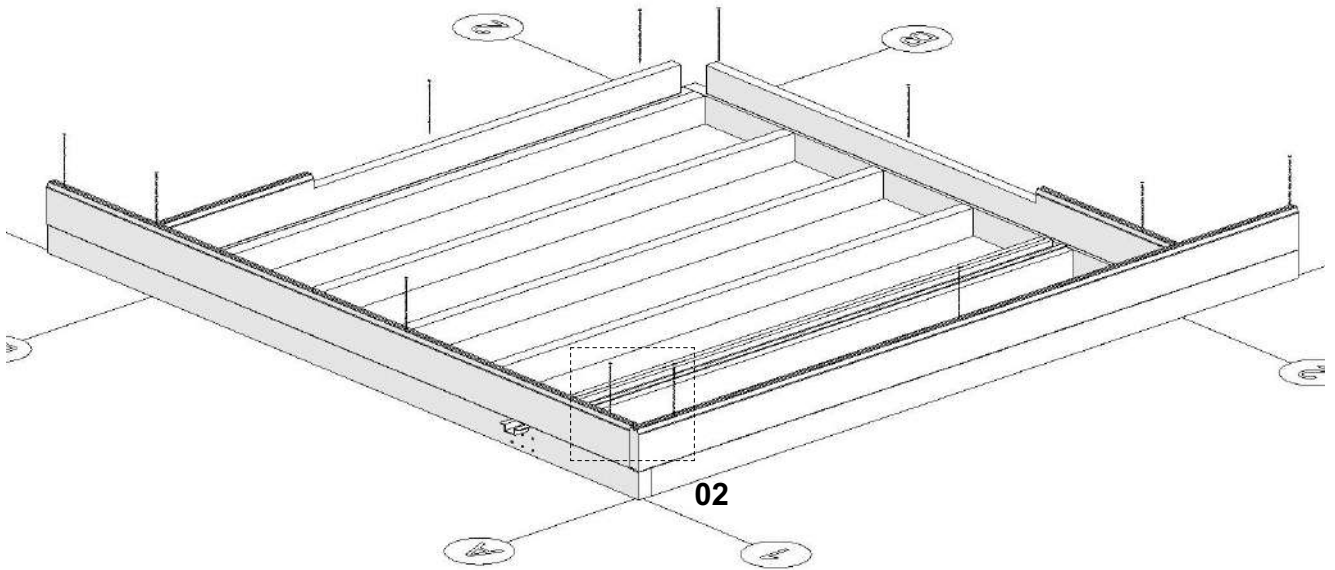


Install outer walls 5mm from floor frame



First log row

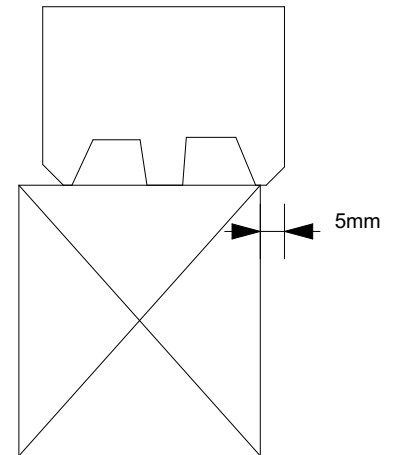
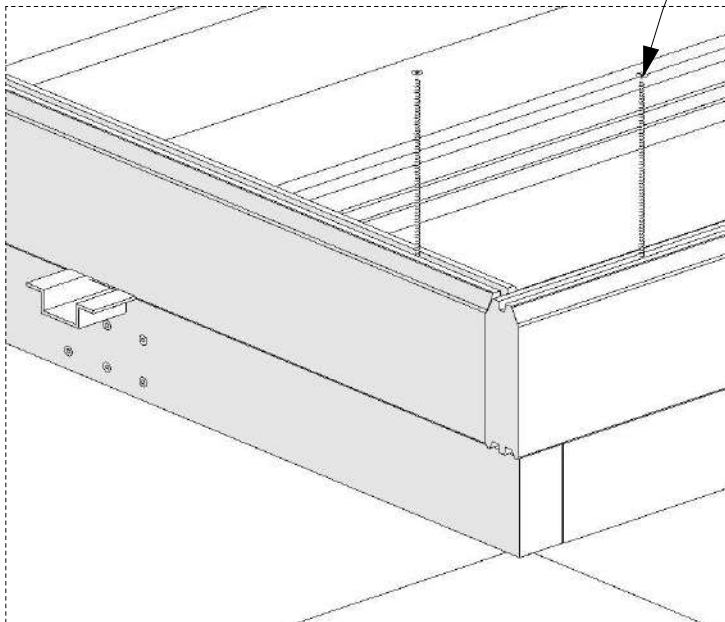
PATIO S



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

02

Screws 180mm

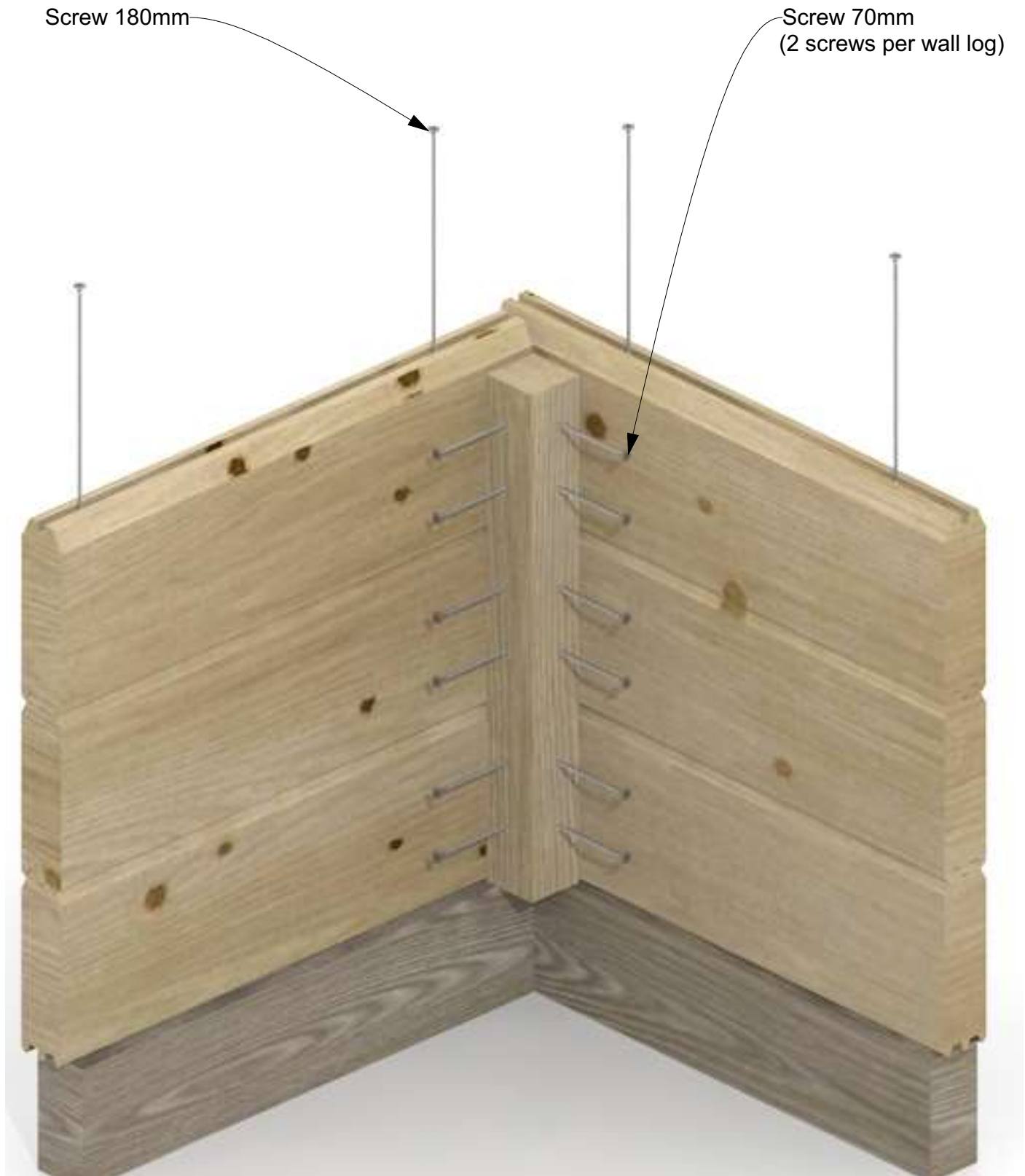


Leave 5mm gap outside with
floor frame and 1st wall row

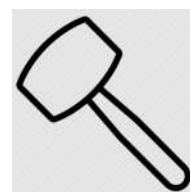
Wall logs

Use 70mm and 180mm screws to install wall logs

Check screw scheme for more info



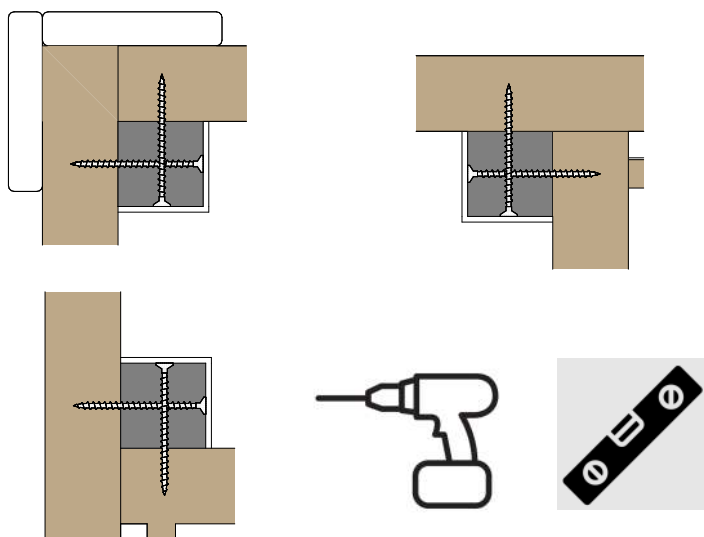
Use hitting block and hammer to install wall logs



Posts

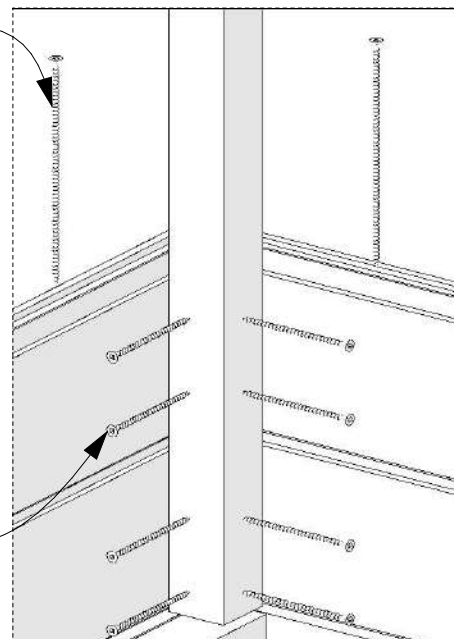
PATIO S

*Install 70mm screws as shown in scheme:



Screws 180mm

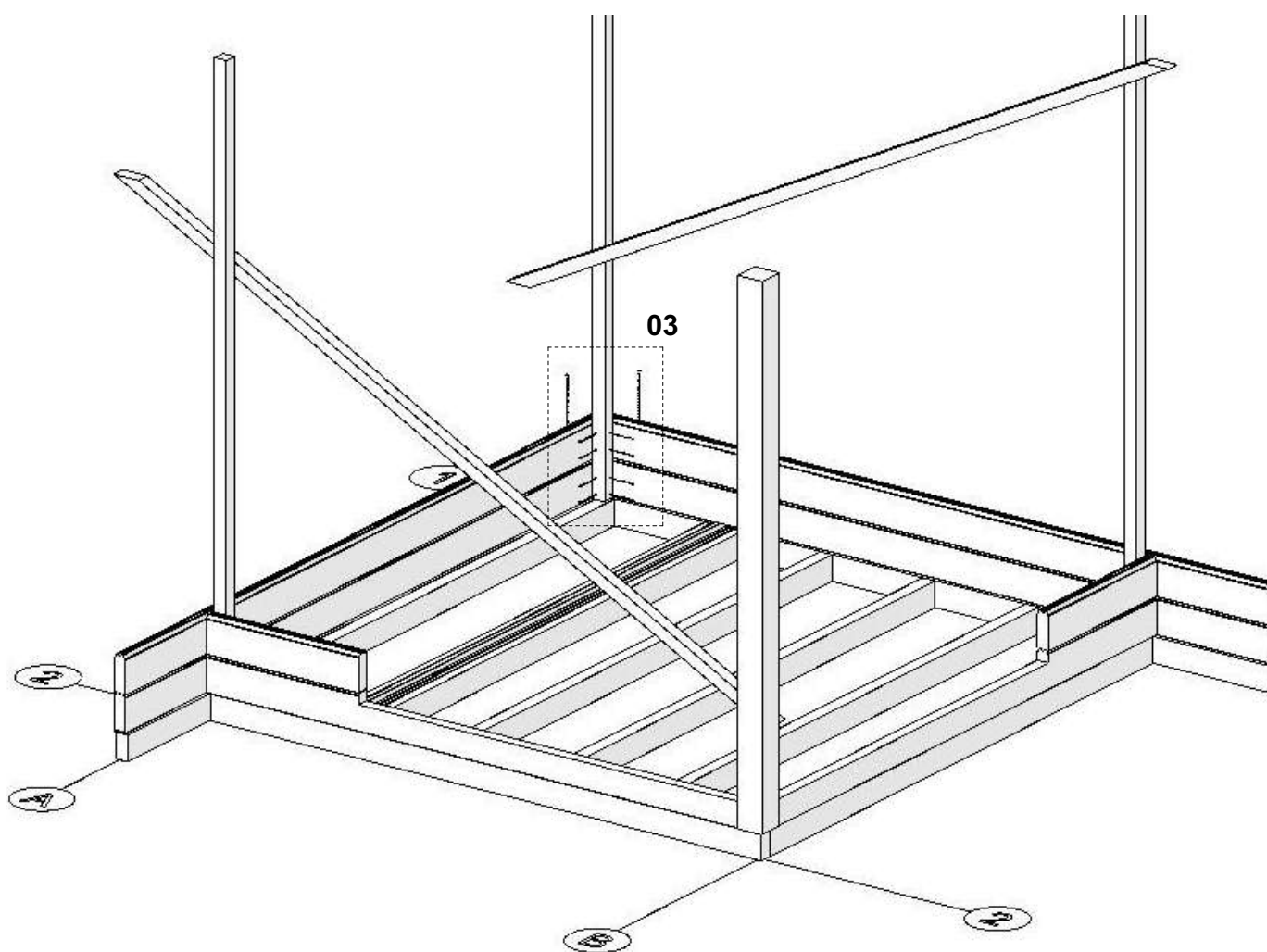
Screws 70mm



Use temporary supports to level the walls

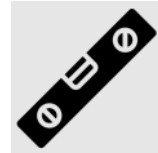
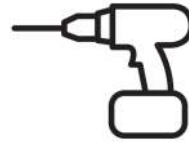
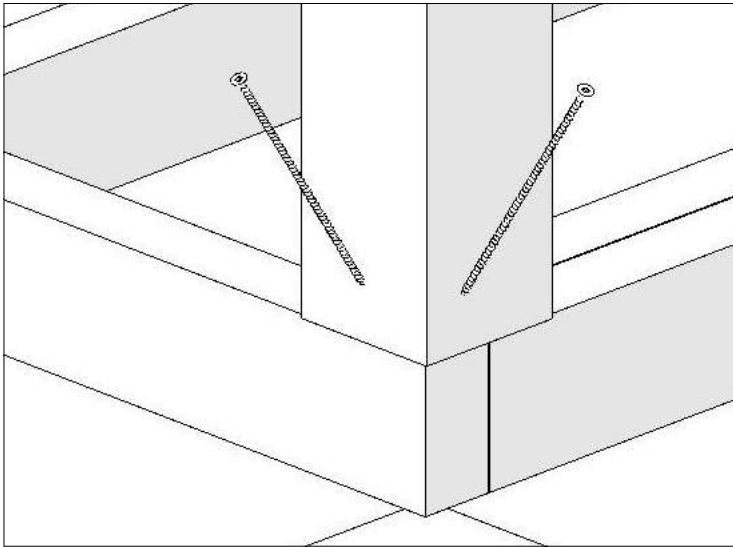
* Use level tool and battery drill to fix walls to posts

*2 pcs 70mm screws per wall log/ post connection
* USE 180mm SCREWS IN EVERY LOG WALL ROW!

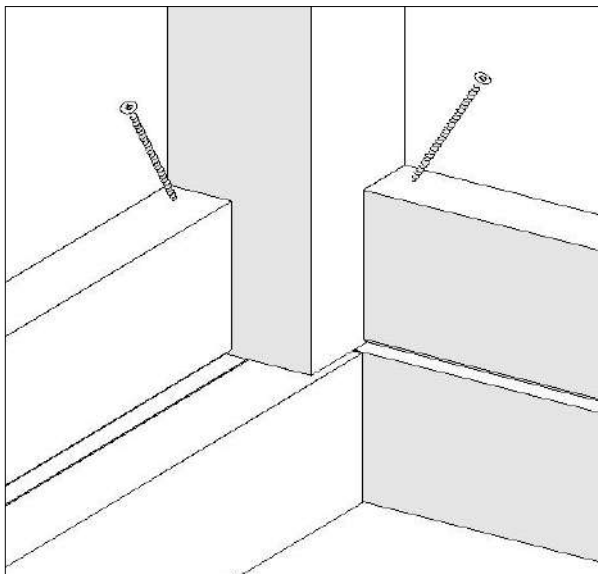


Corner Post

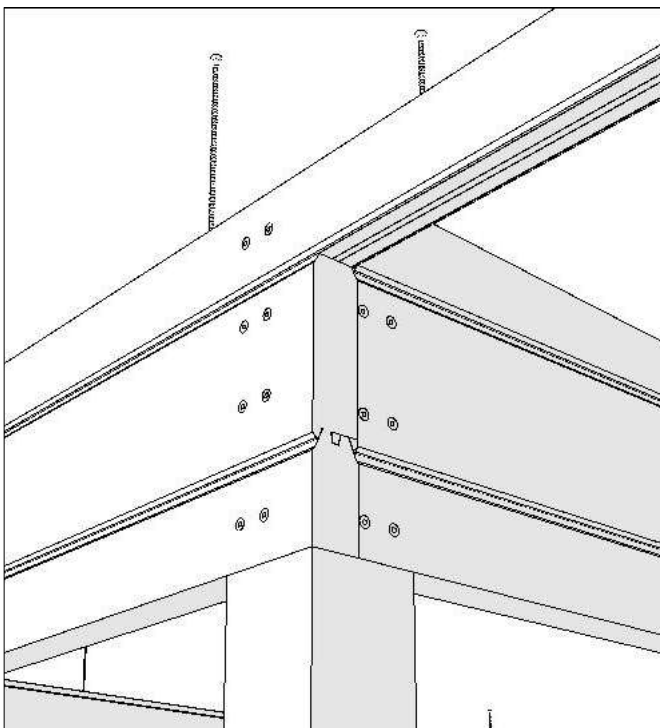
PATIO S



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.

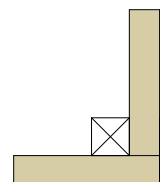
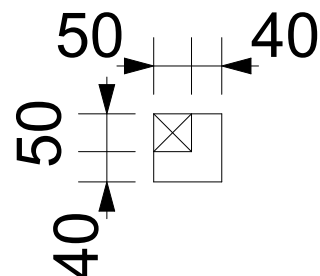


Fix the first log wall row with the Corner Post with 70mm screws.
Install the screws on an angle and use level tool to level the corner post.



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

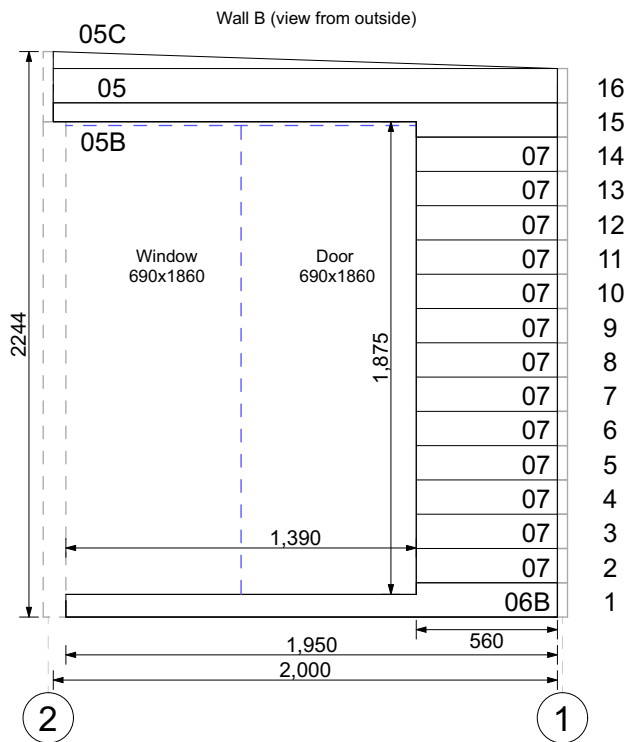
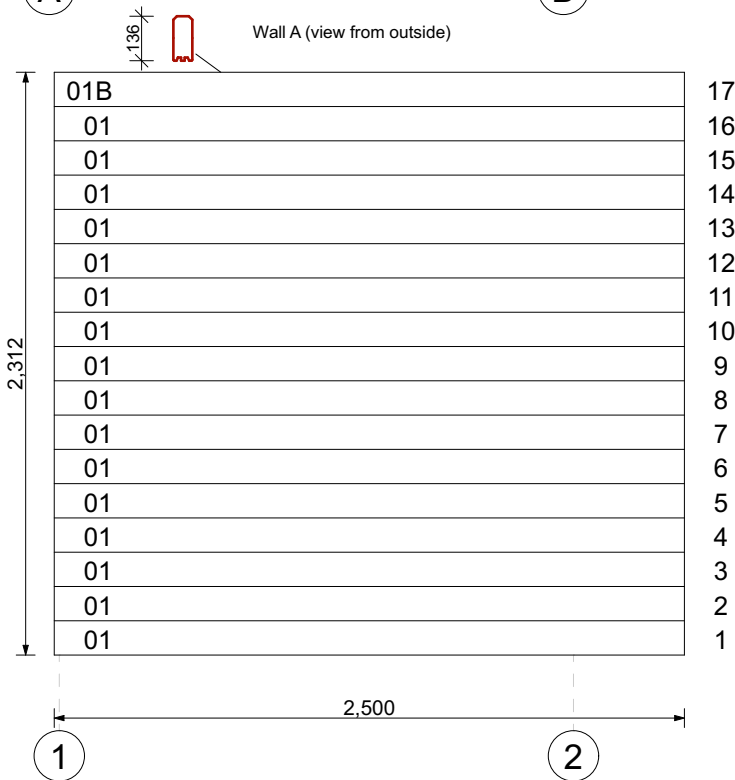
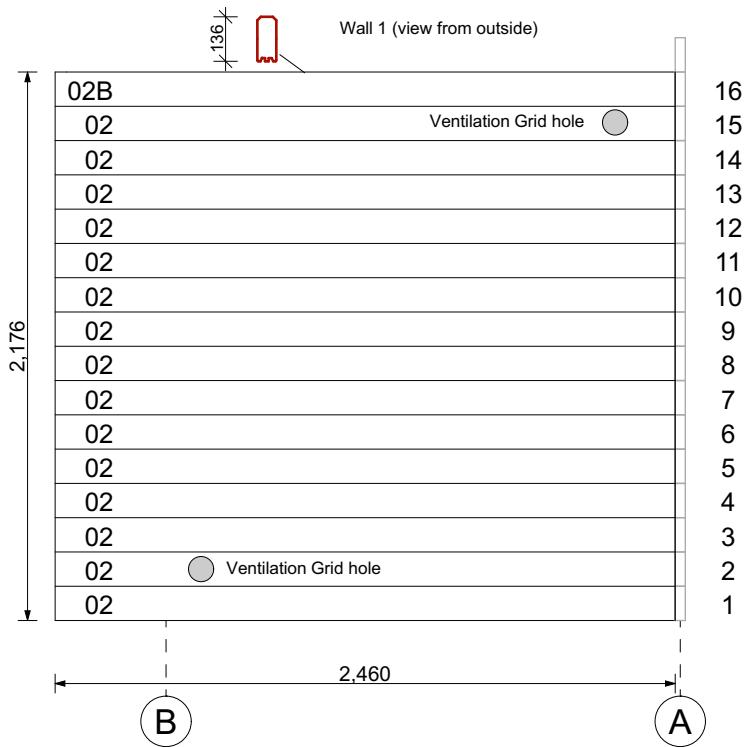
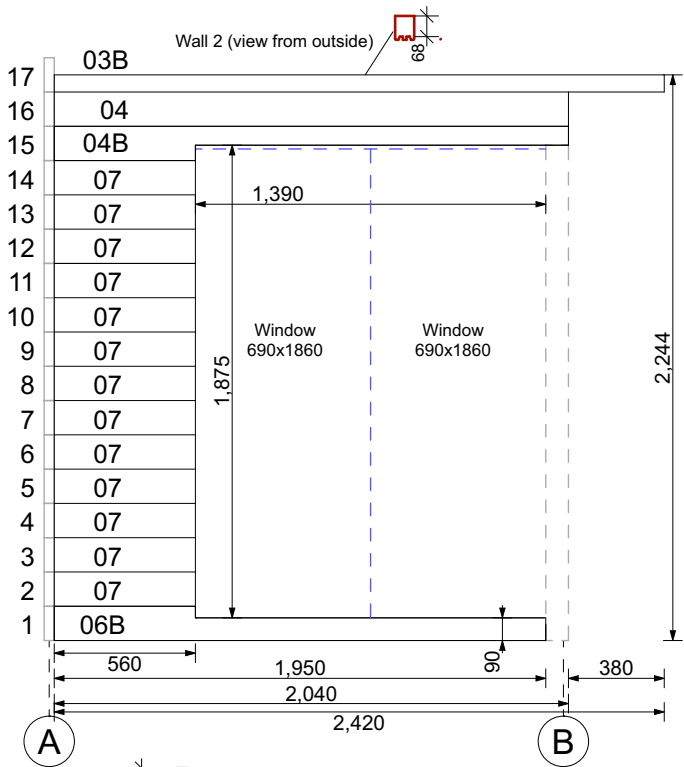
Corner post:



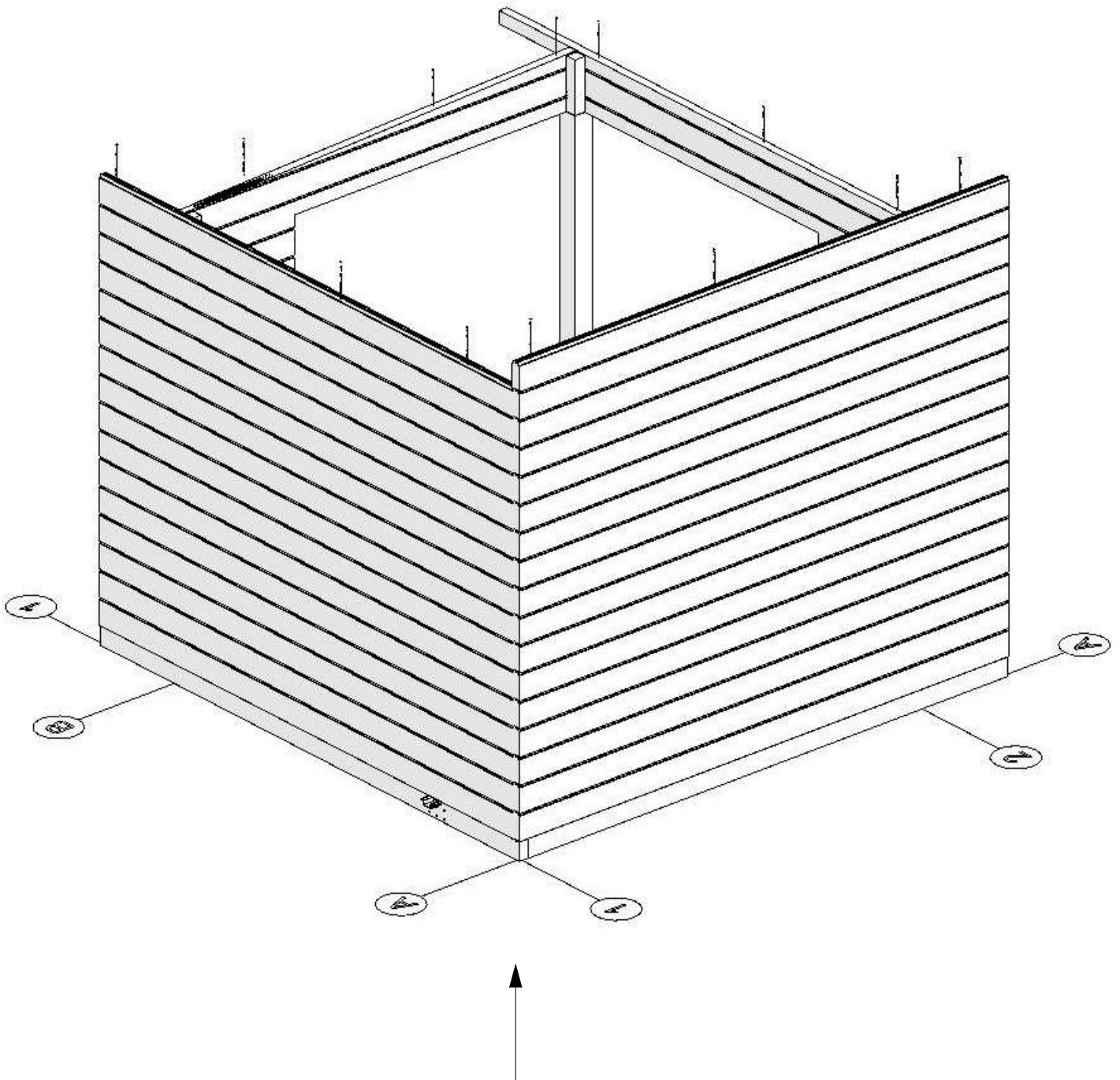
Wall layouts

PATIO S

Fix every wall log vertically
with 180mm screws



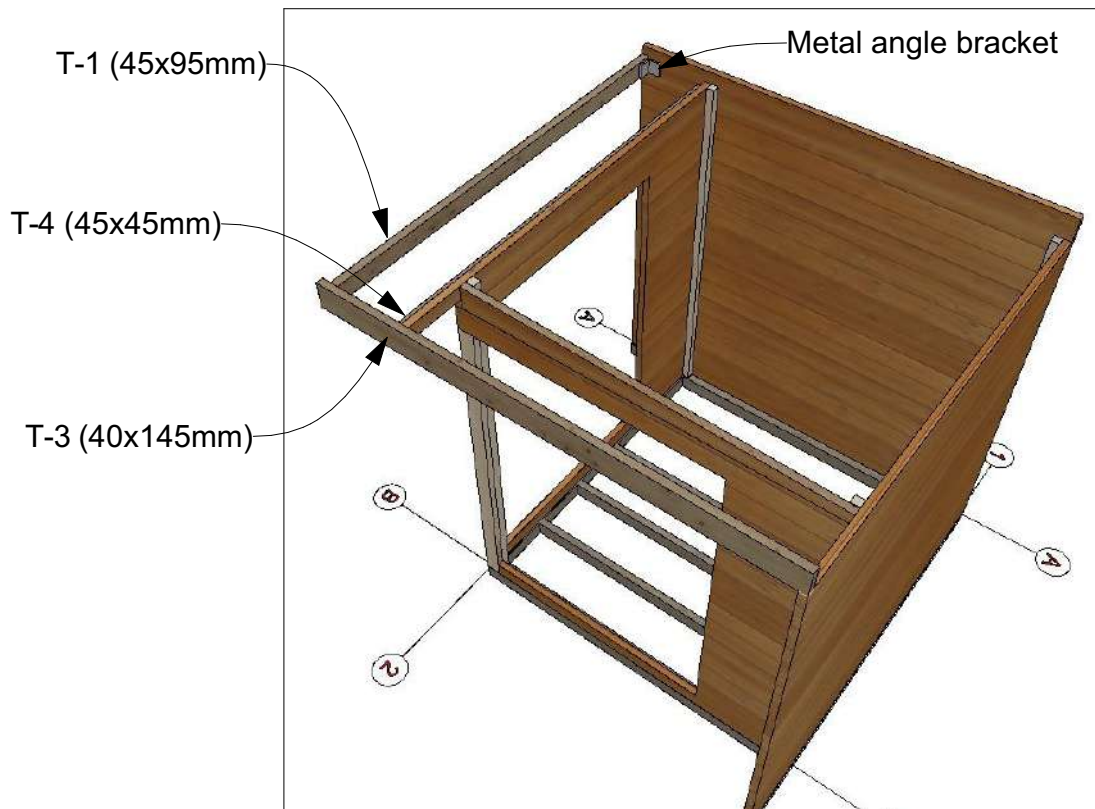
*Fix log walls with 180mm screws.



To install wall logs use rubber hammer and hammer block

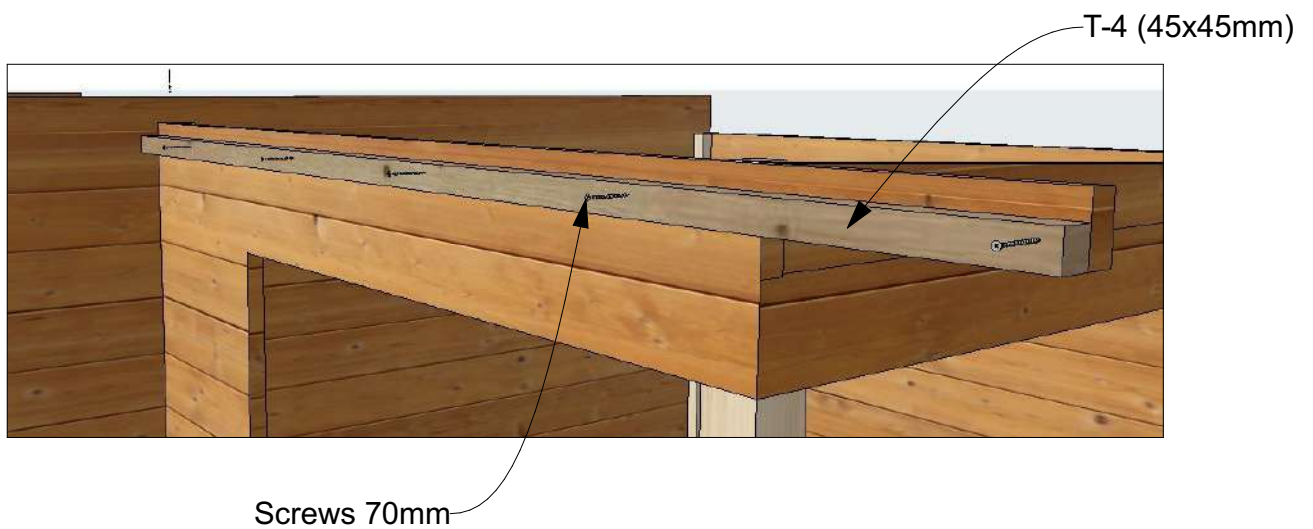


INSTALL THE OUTSIDE FRAMING BEFORE ROOF BOARDS!



1.

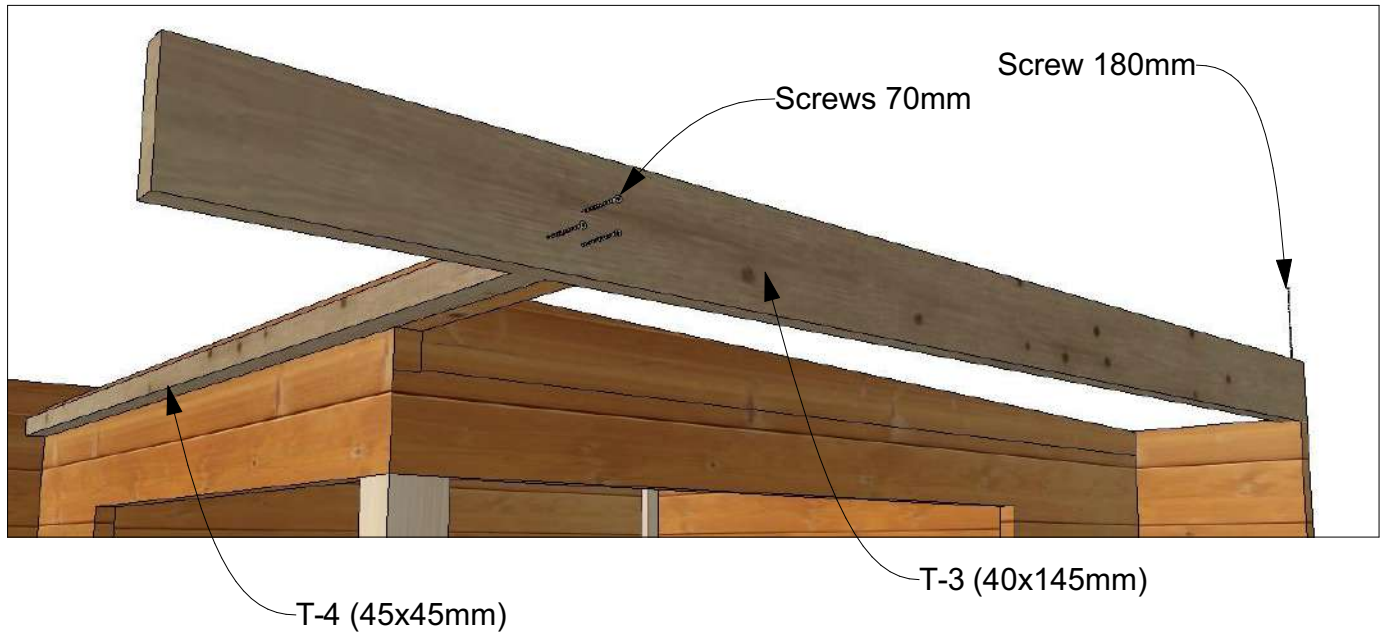
Install the 45x45 beam T-4 to the last log wall row with 70mm screws



INSTALL THE OUTSIDE FRAMING BEFORE ROOF BOARDS!

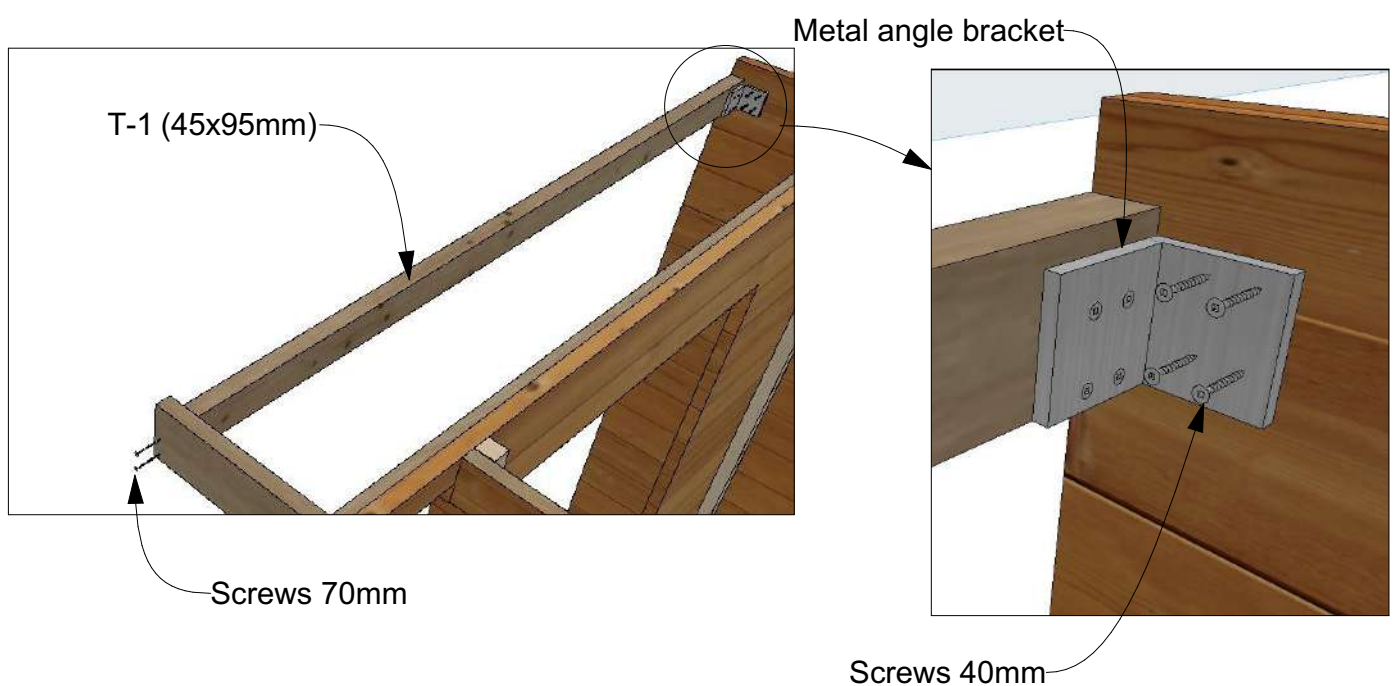
2.

Install the 40x145 beam T-3 to beam T-4 and log wall with 70mm screws. Fix the back end to the log wall with 180mm screws



3.

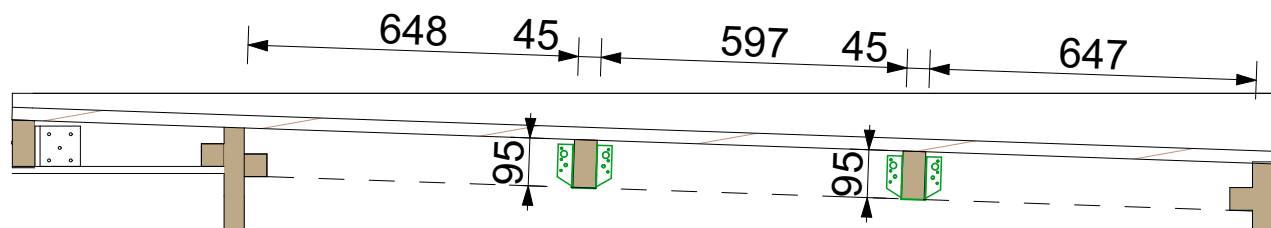
Use Metal angle bracket, 40mm screws and 70mm screws to install beam T-1 (45x95mm)



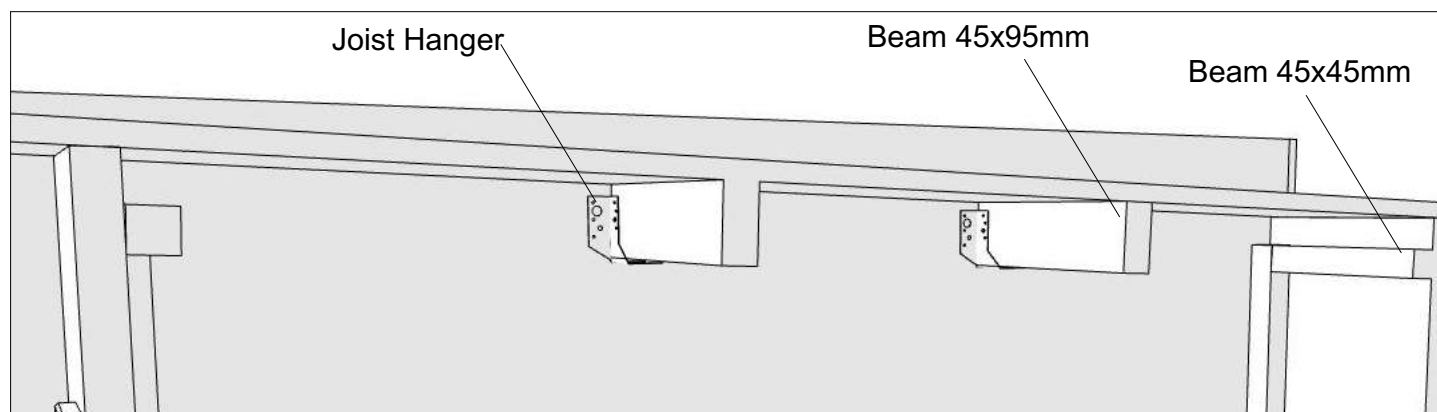
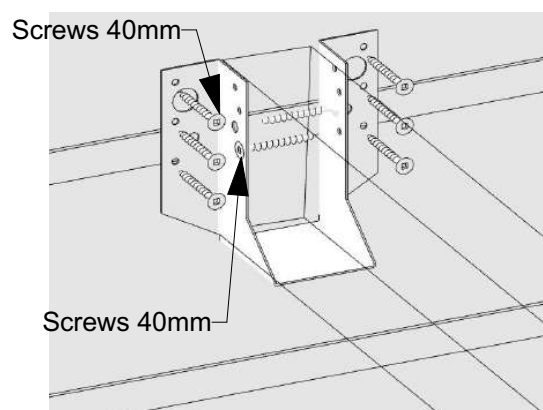
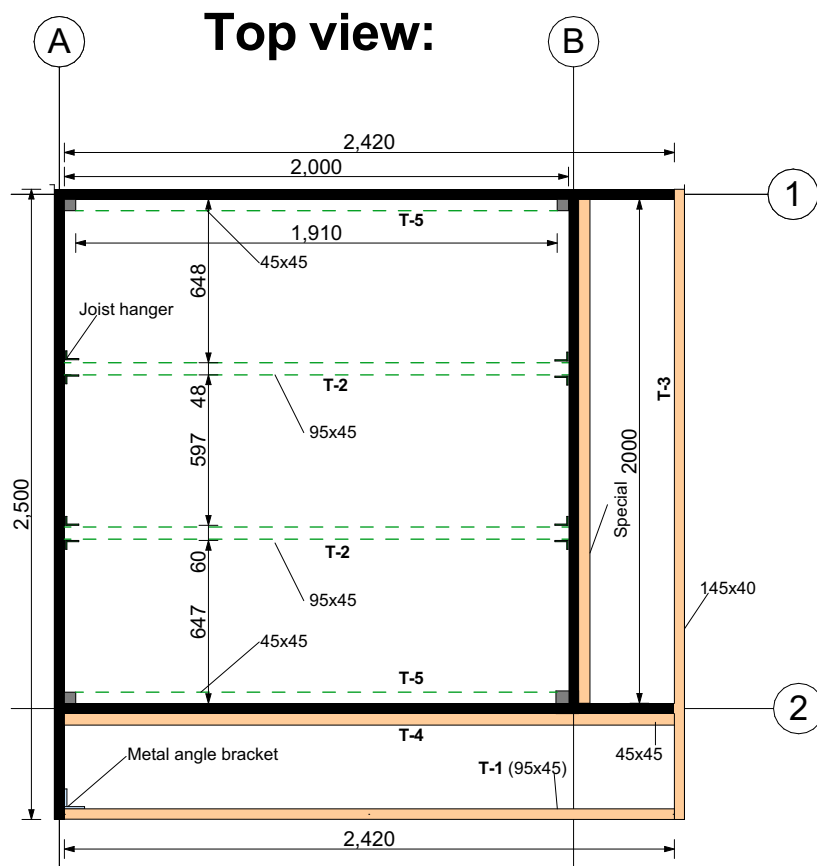
Ceiling beams and joist hanger

PATIO S

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

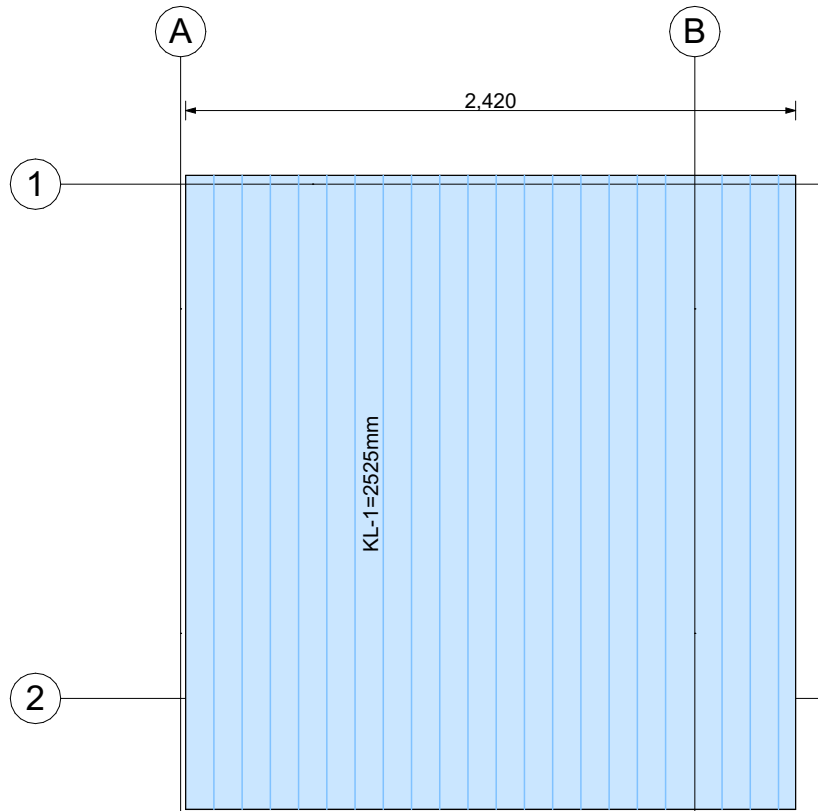
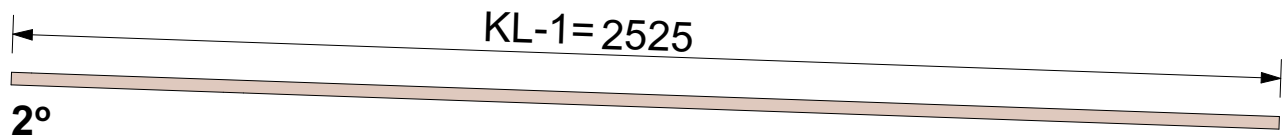


Top view:



Roof boards

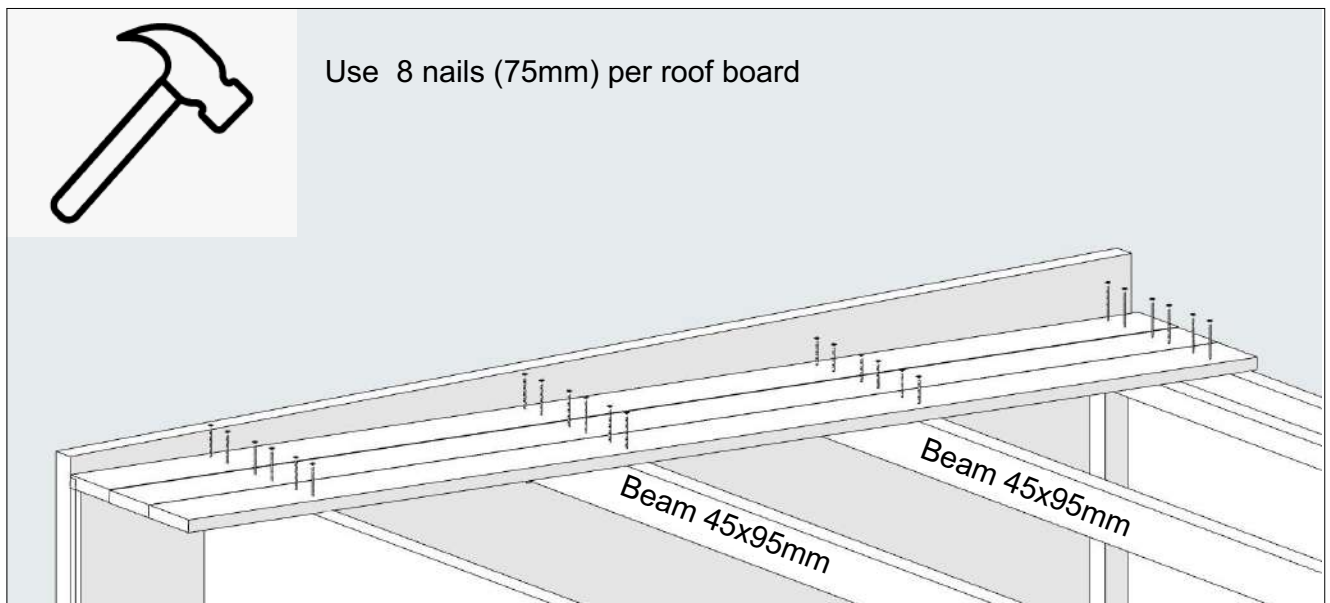
PATIO S



Cut the last roof board to lenght

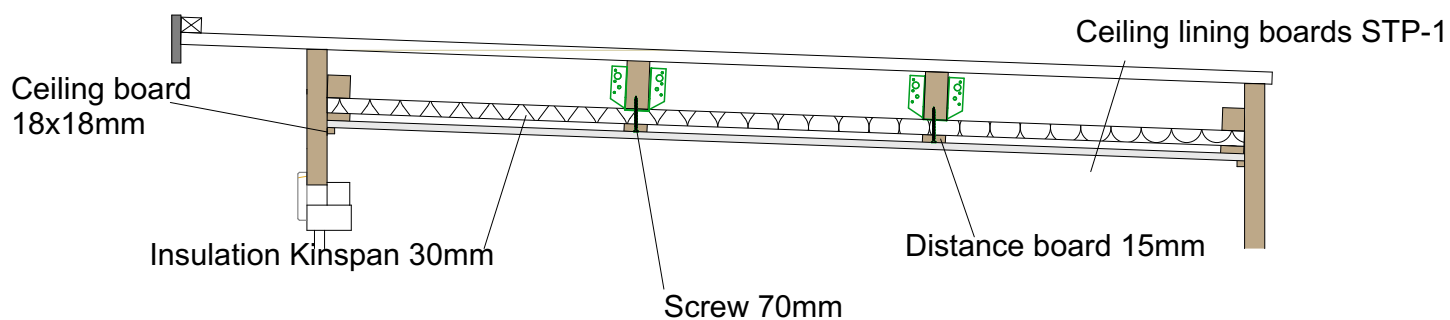


Use 8 nails (75mm) per roof board

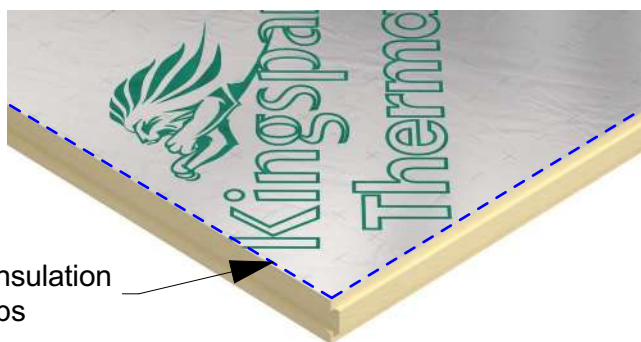


Sauna Ceiling

PATIO S



Use tape for SPU insulation overlaps

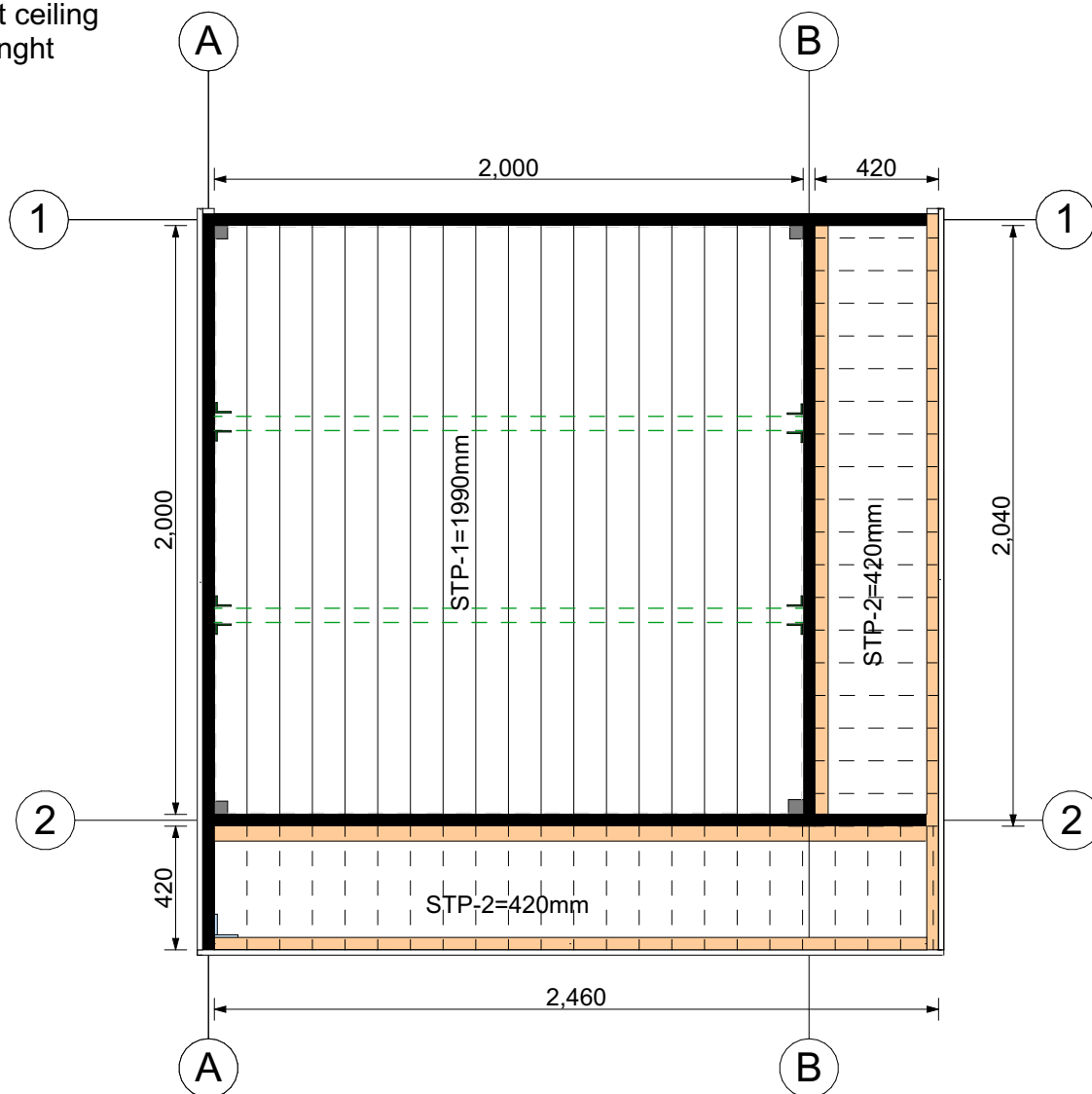


Tape Insulation overlaps

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

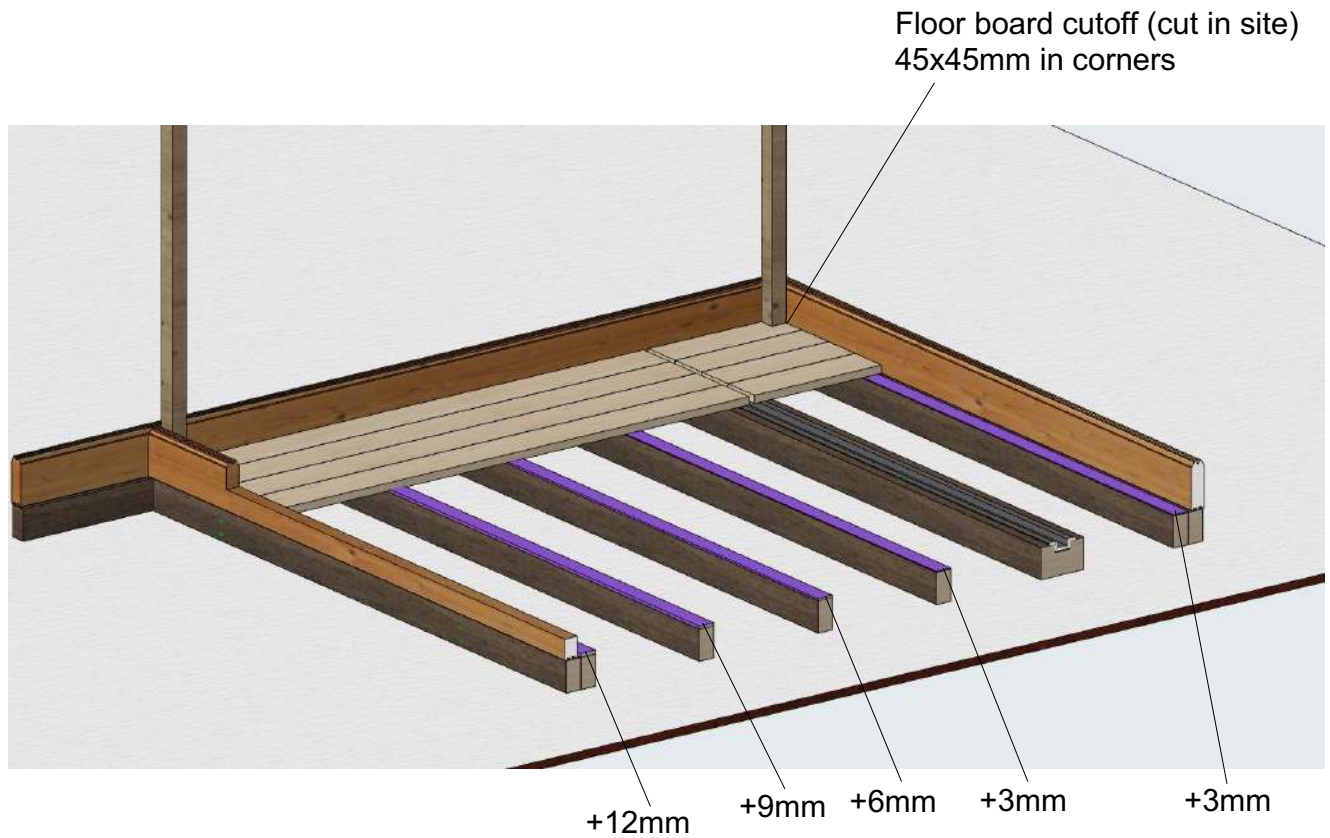


Cut the last ceiling board to length

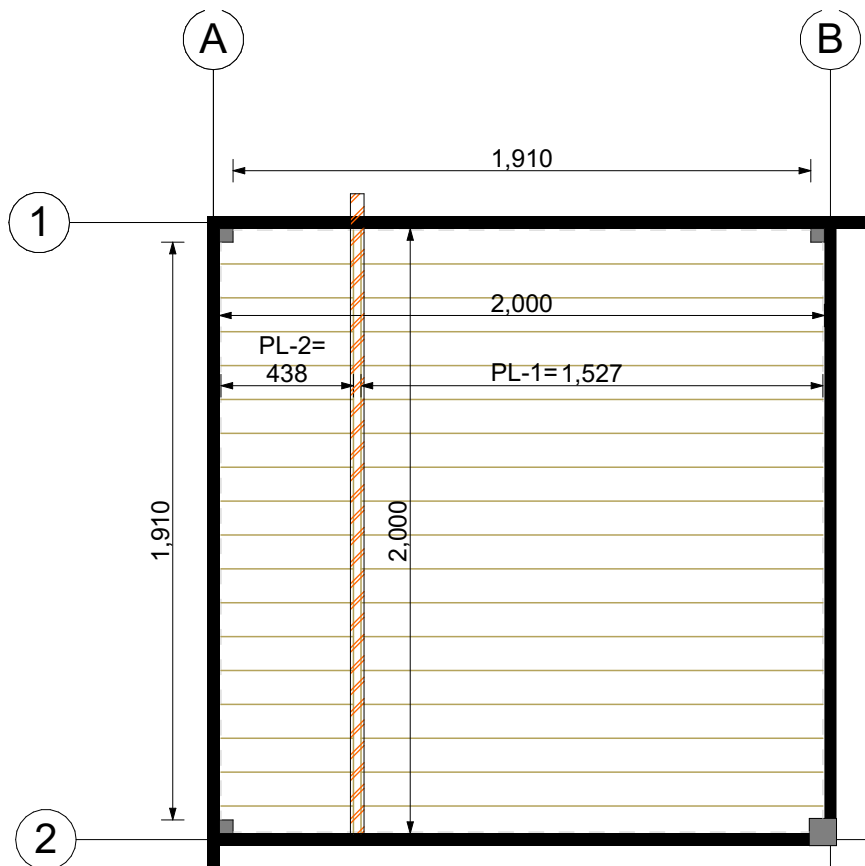
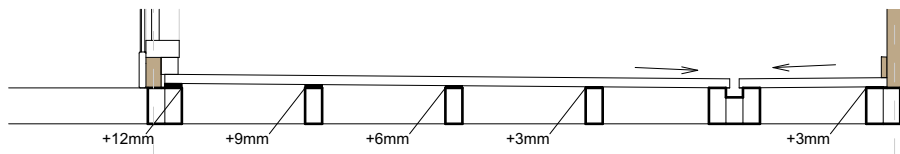


Floor boards

PATIO S



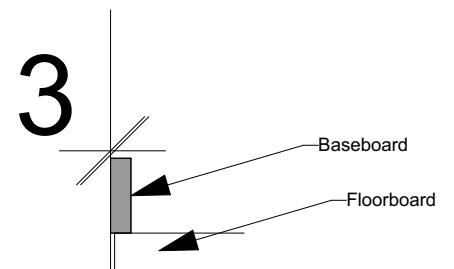
Apply plywood slope details to give floor board incline for water drainage



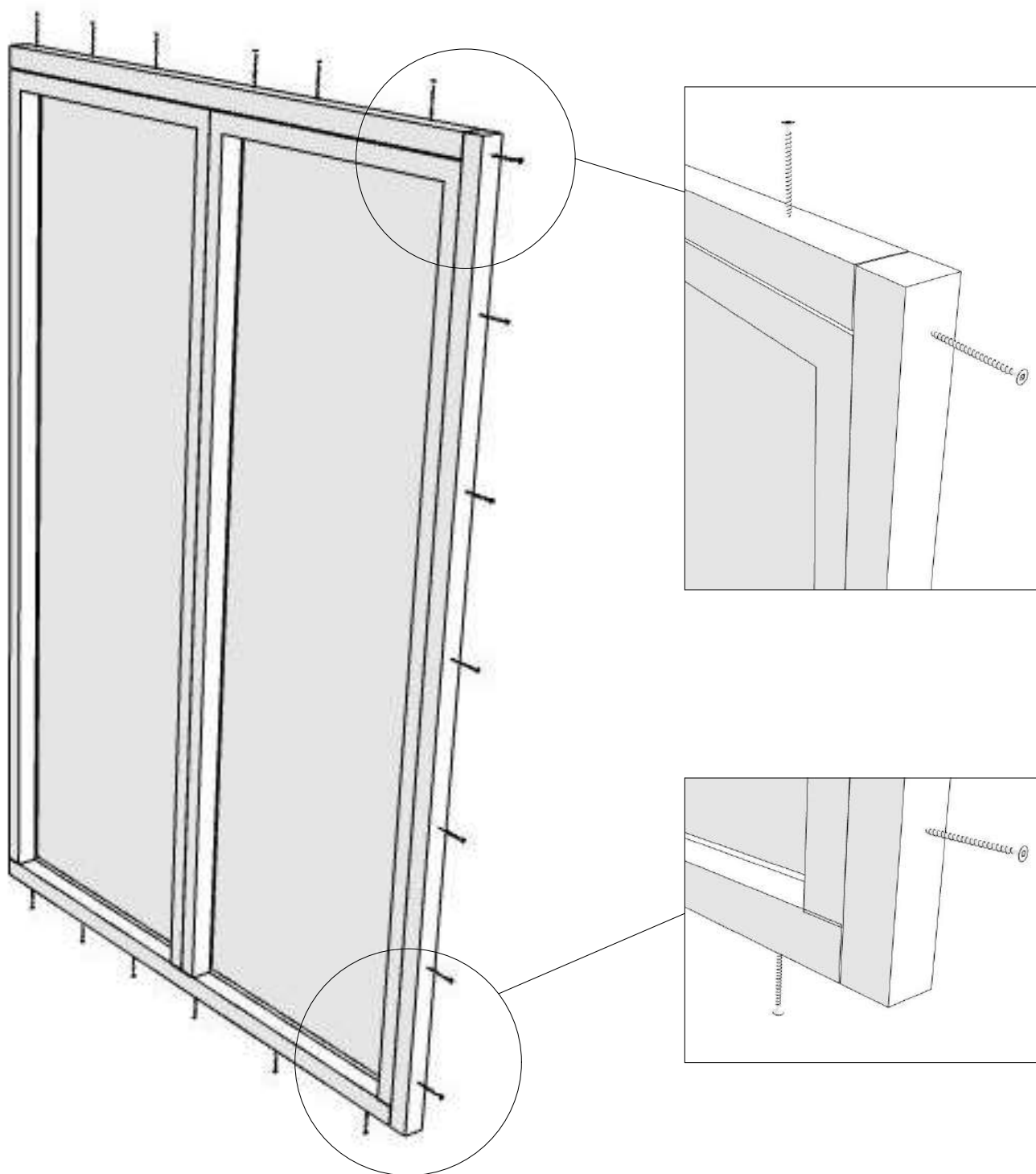
Fix floorboards with 40mm screws as shown :



Leave ~3mm gap between floor board and wall

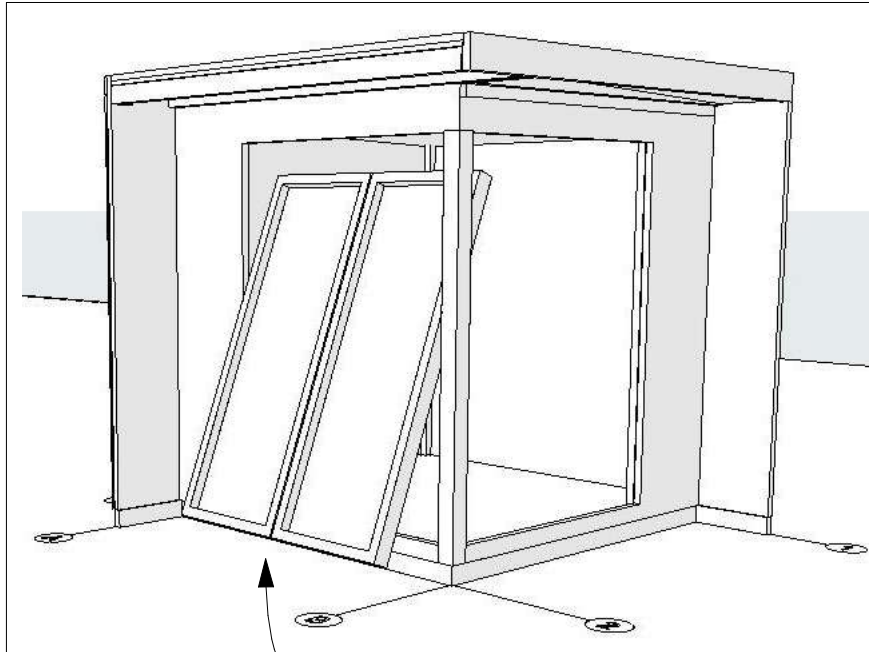


1. Attach the bottom, top and one side frame 45x45mm to the window leaf with 70mm screws.

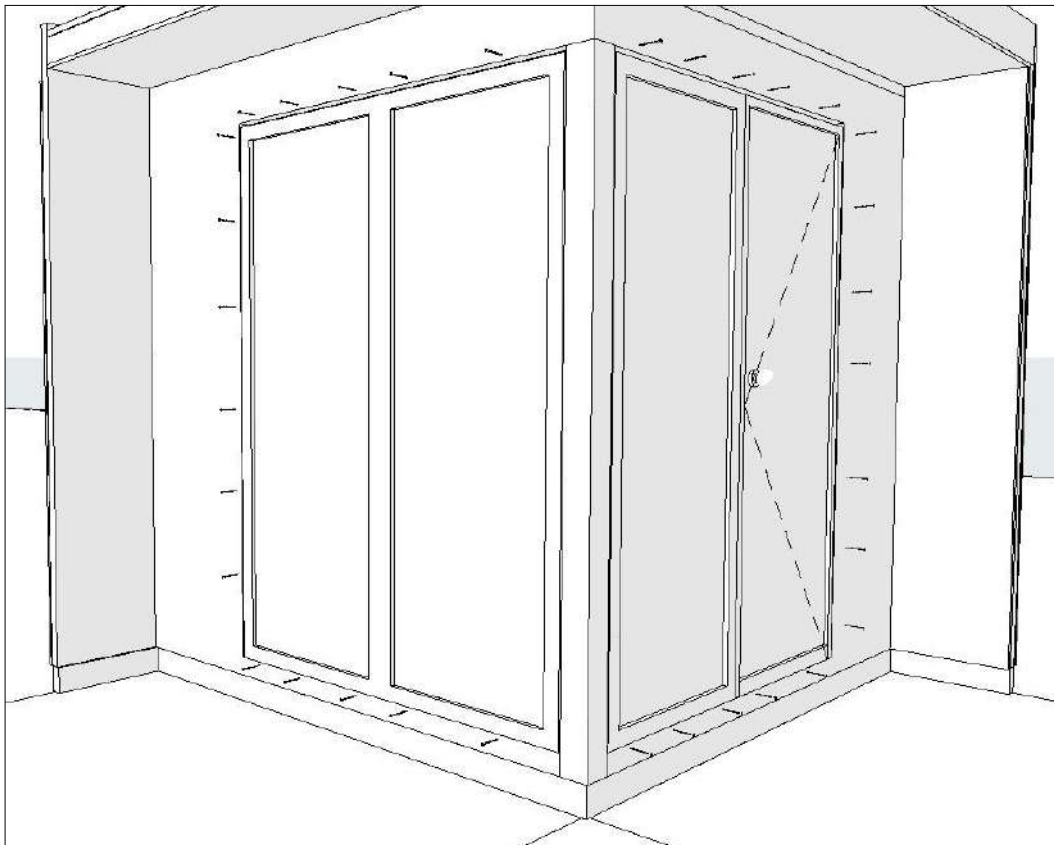


Windows and door

PATIO S

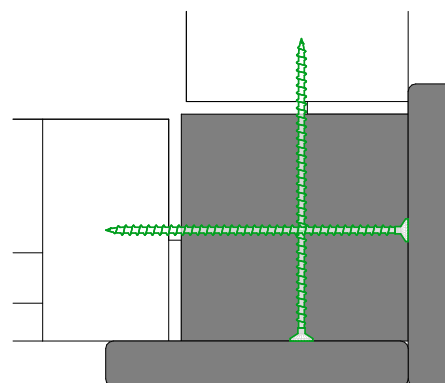


Lift the windows to place



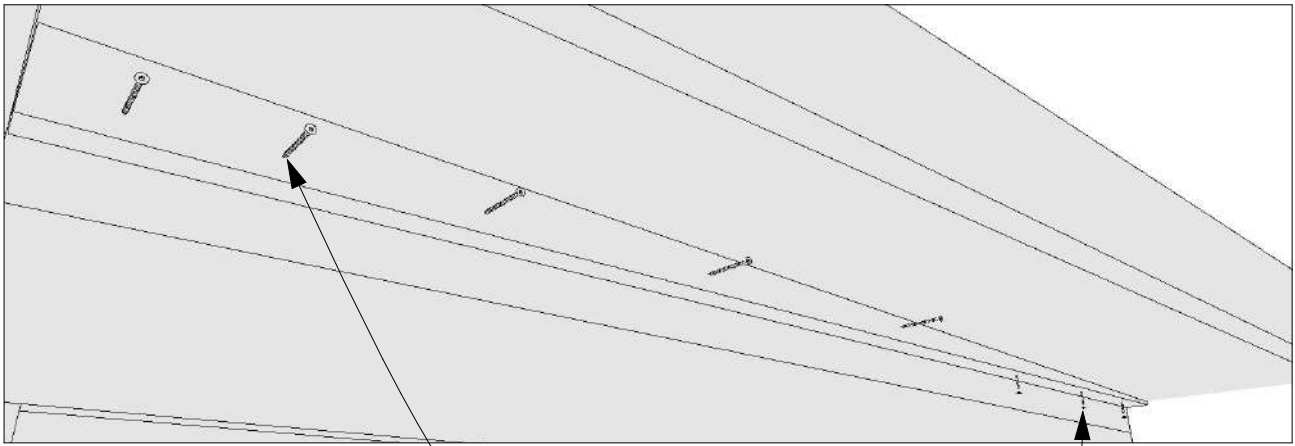
Fix the window frame with log wall with 70mm screws. (Screws will be covered with window mounding)

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

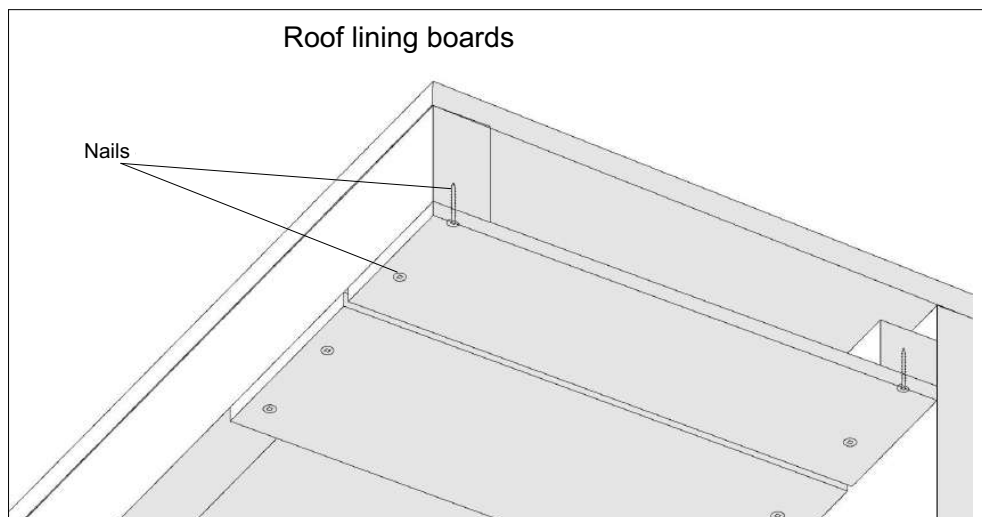
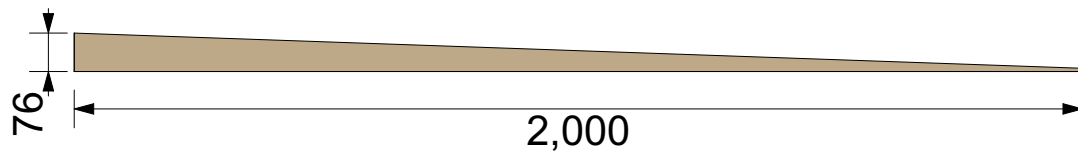


Outer lining boards

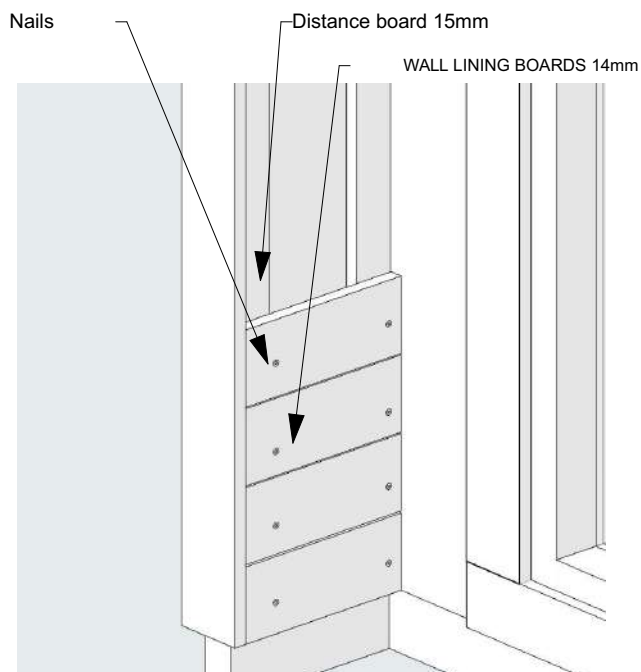
PATIO S



Fix the diagonal detail to the log wall with 70mm screws and 30 or 35mm nails

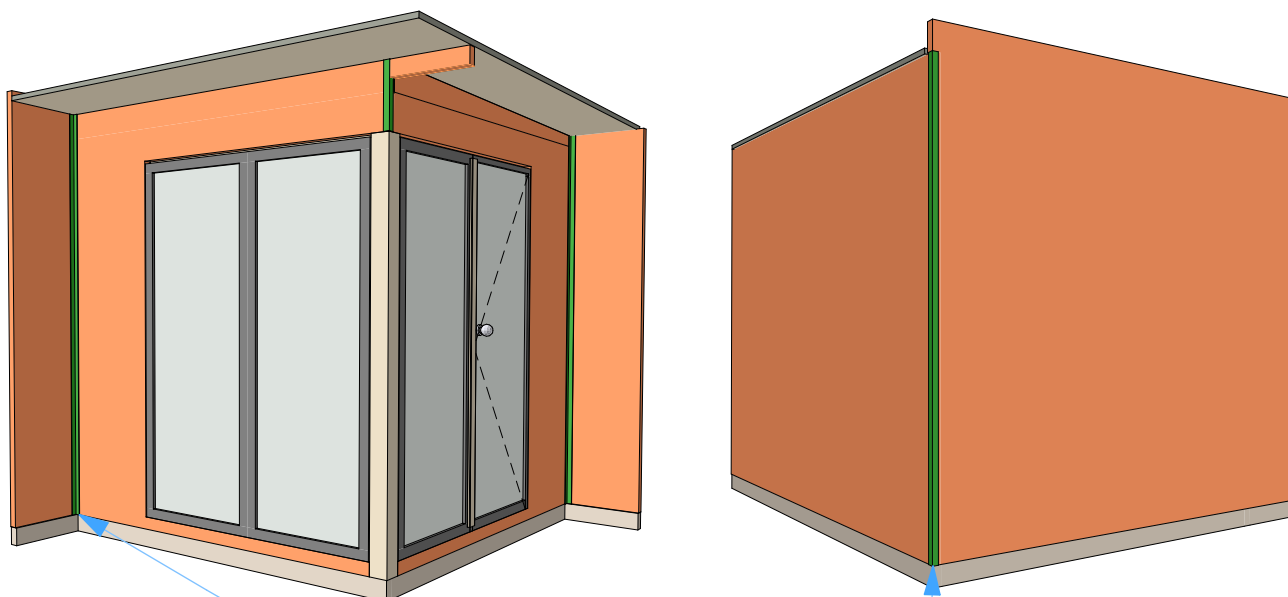


Wall lining boards



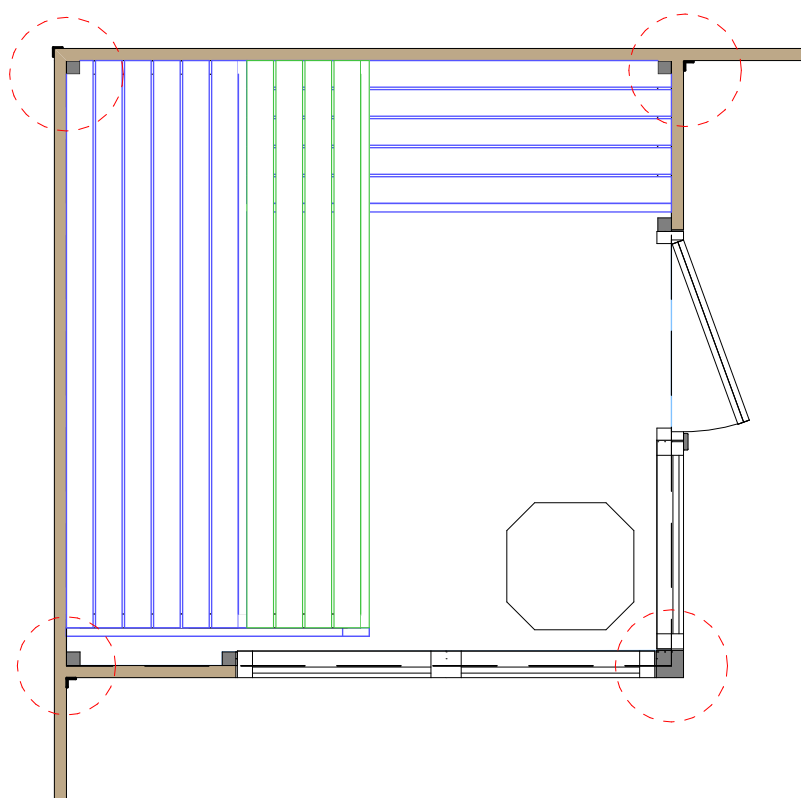
Moisture safety

*It is recommended to use moisture safety tape to reduce moisture/ rainwater inside sauna.



Moisture safety tape

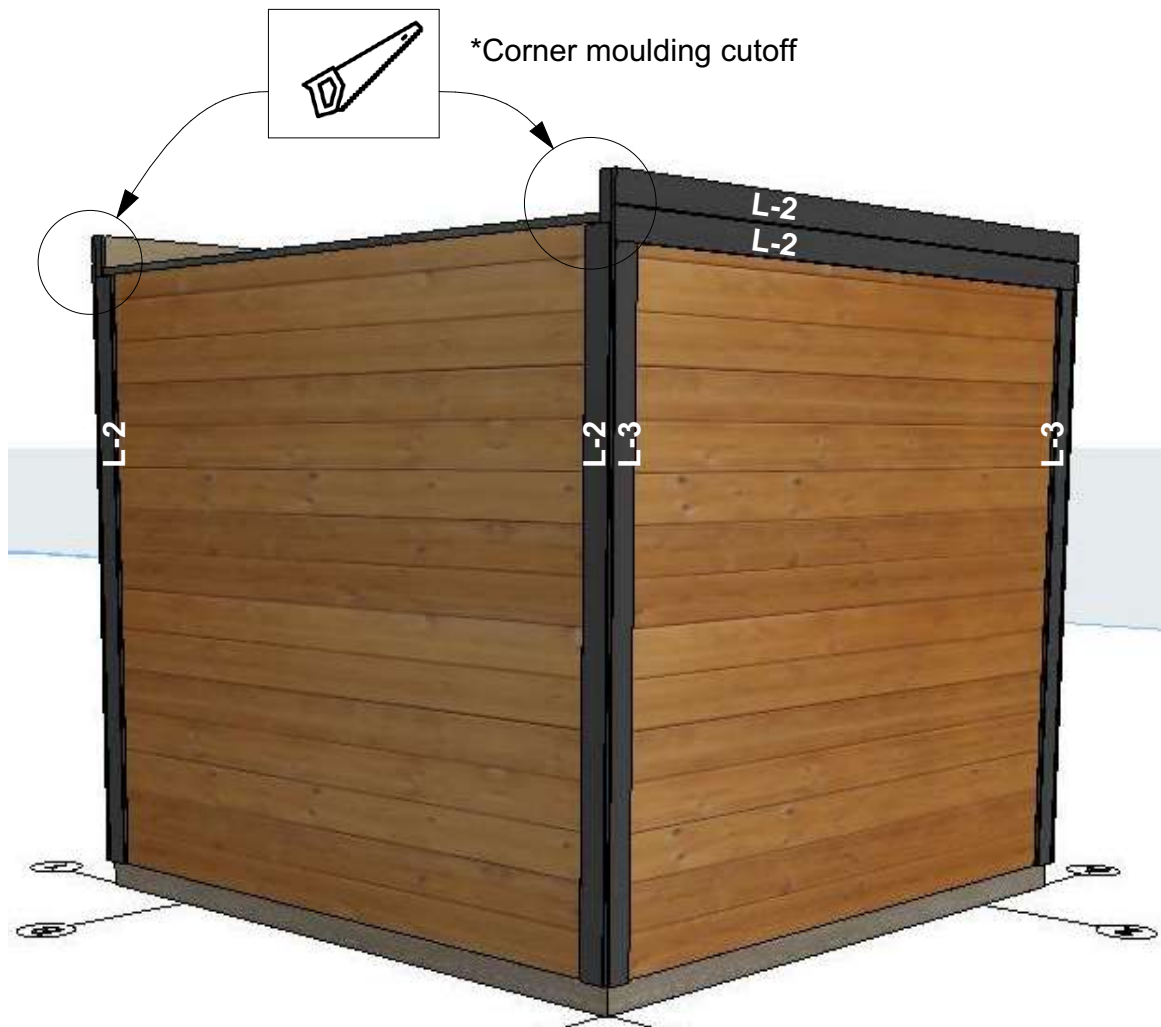
*Tape all 4 corners of sauna before installing corner mouldings/ outer lining boards



Mouldings

PATIO S

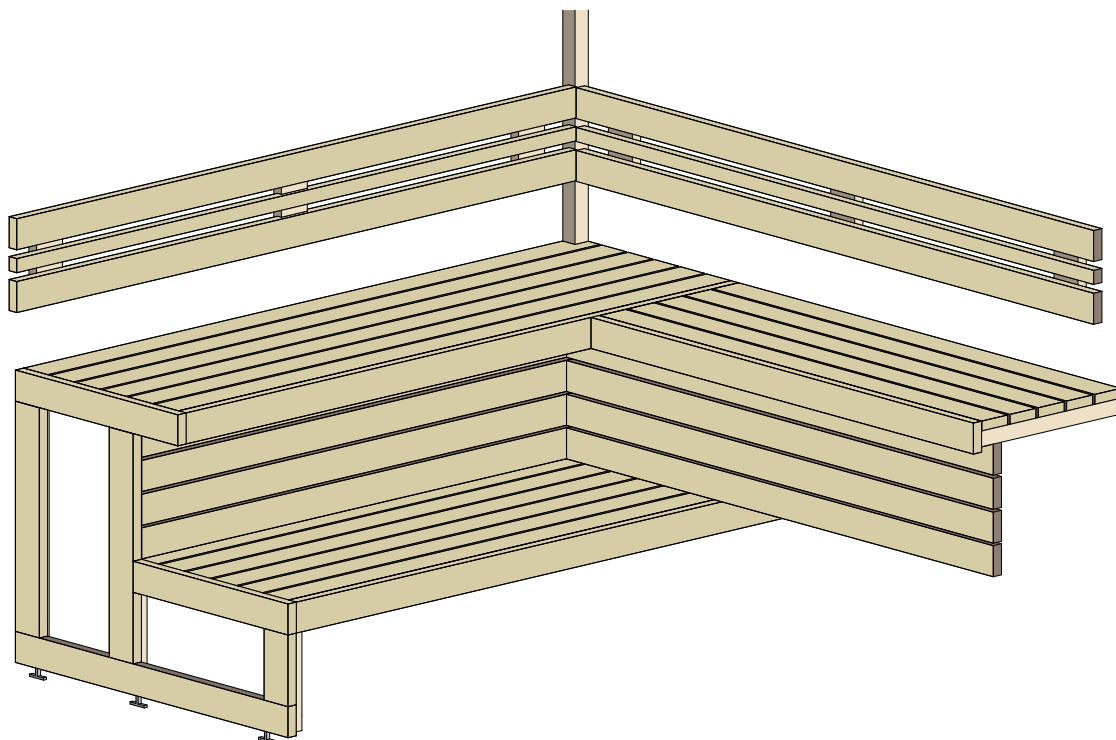
*Attatch the mouldings with 40mm screws



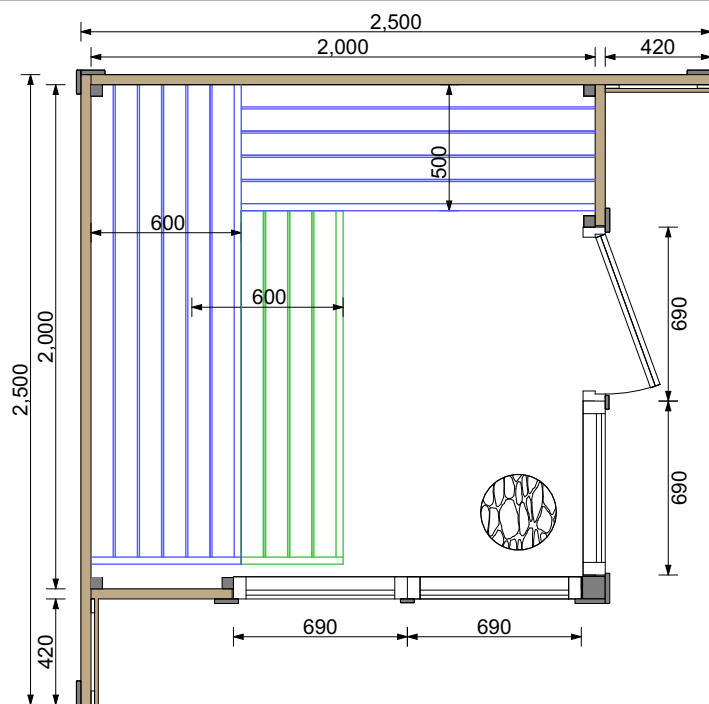
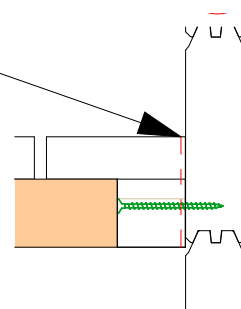
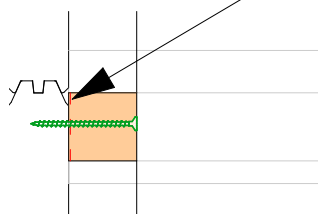
Sauna Benches

PATIO S

INSTALL SAUNA BENCHES AFTER DOOR/ WINDOW IS IN PLACE!



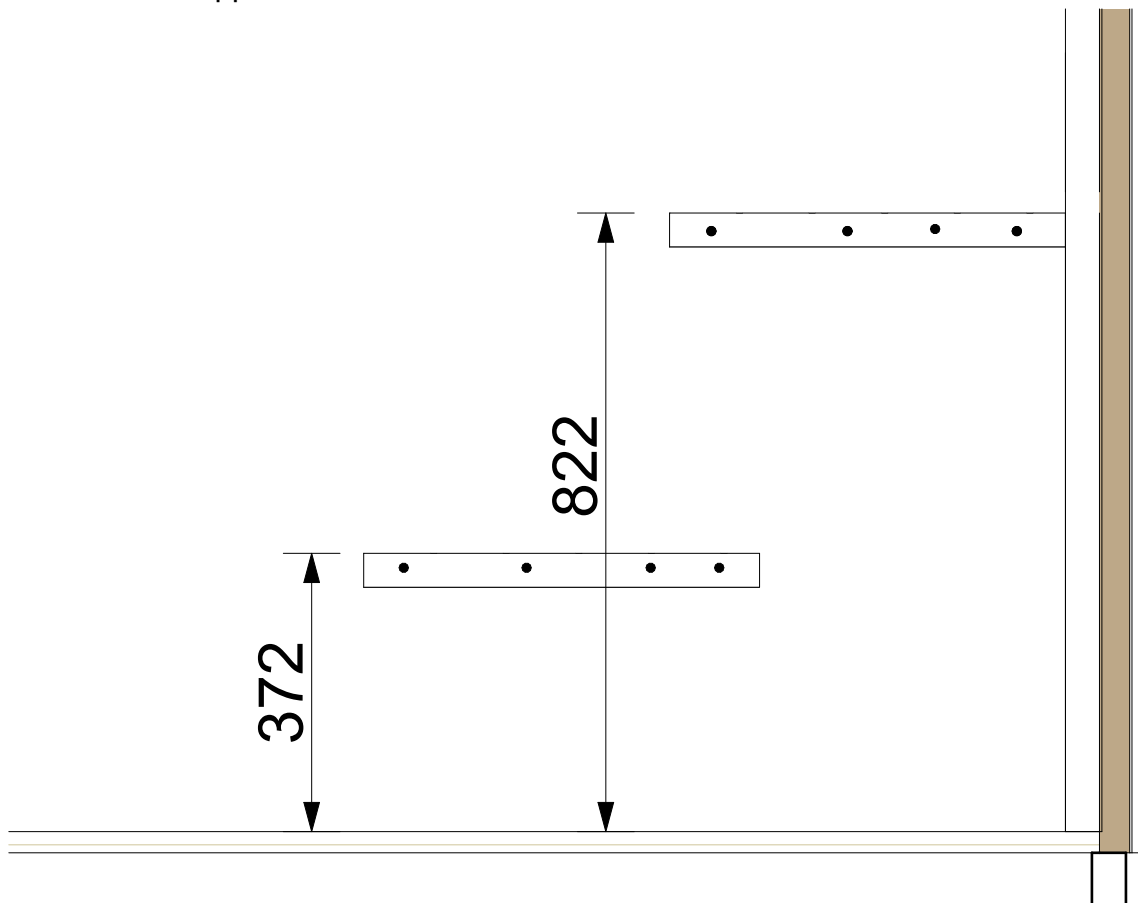
Reccomended to use glue to attach sauna bences to the wall



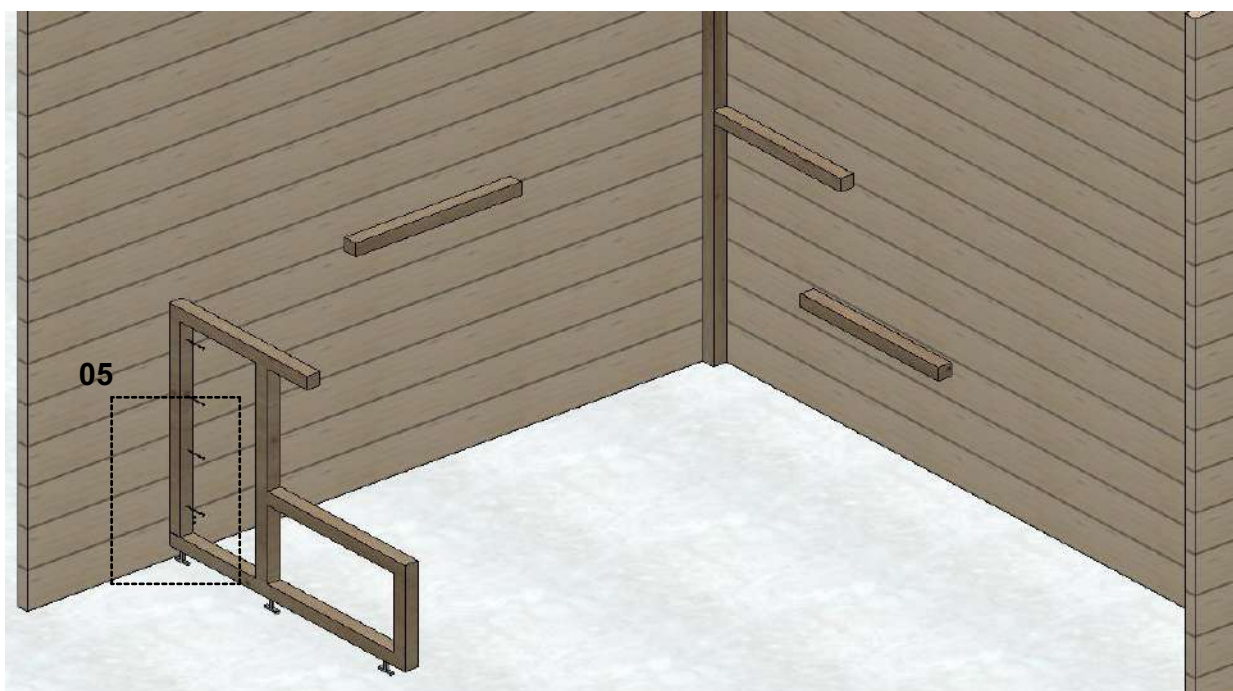
1. Fix bench supports to the wall with 70mm screws



Fix bench supports to the wall with 70mm screws

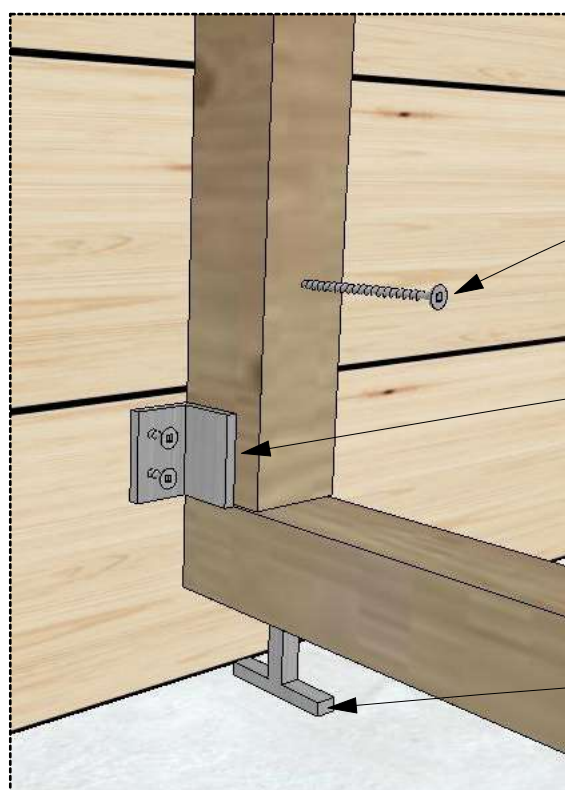


2. Fix side framing to the wall.



05

*Adjust height of the side framing with adjustable legs.



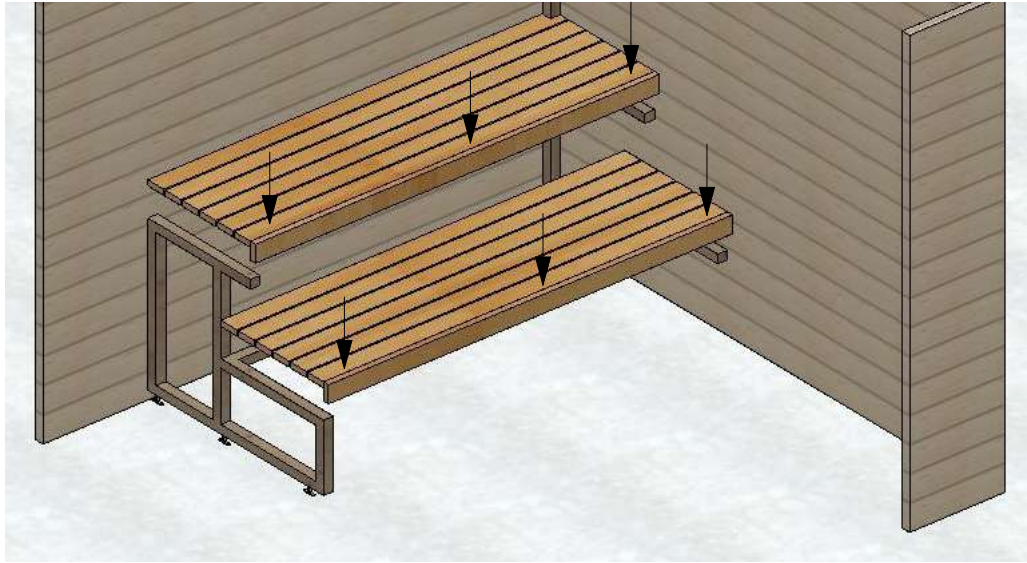
Screw 70mm

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)

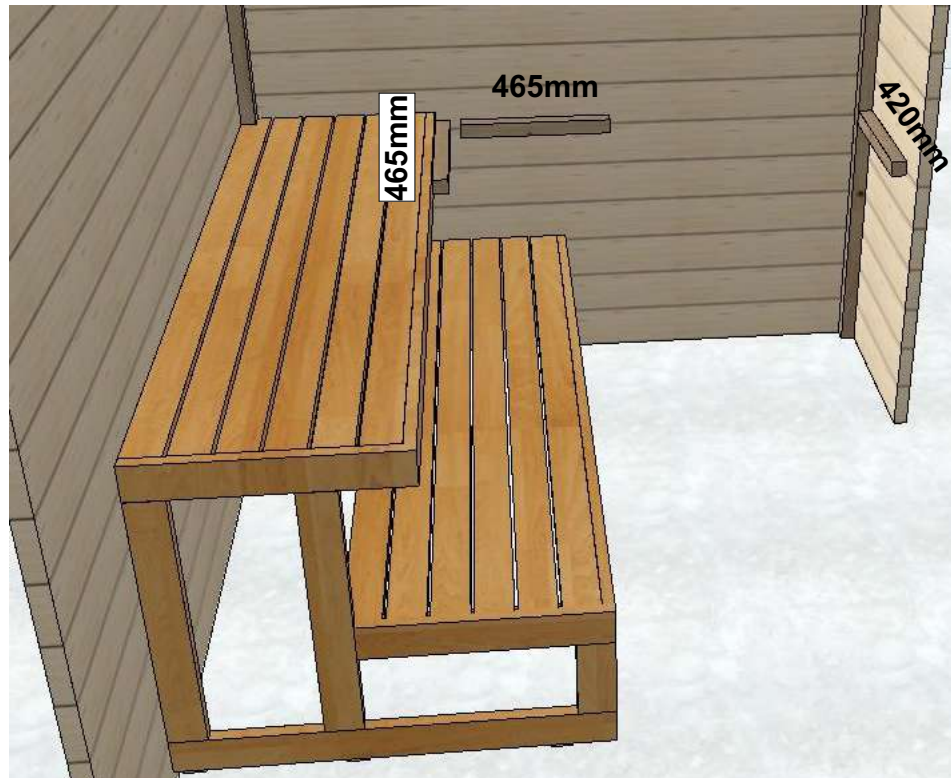
View under sauna bench:



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

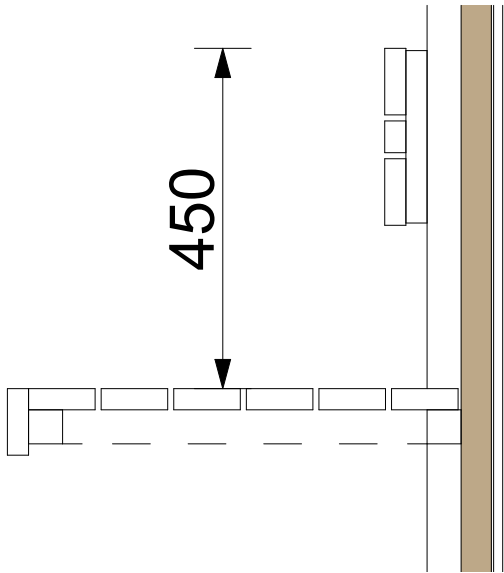


Extra support with adjustable leg

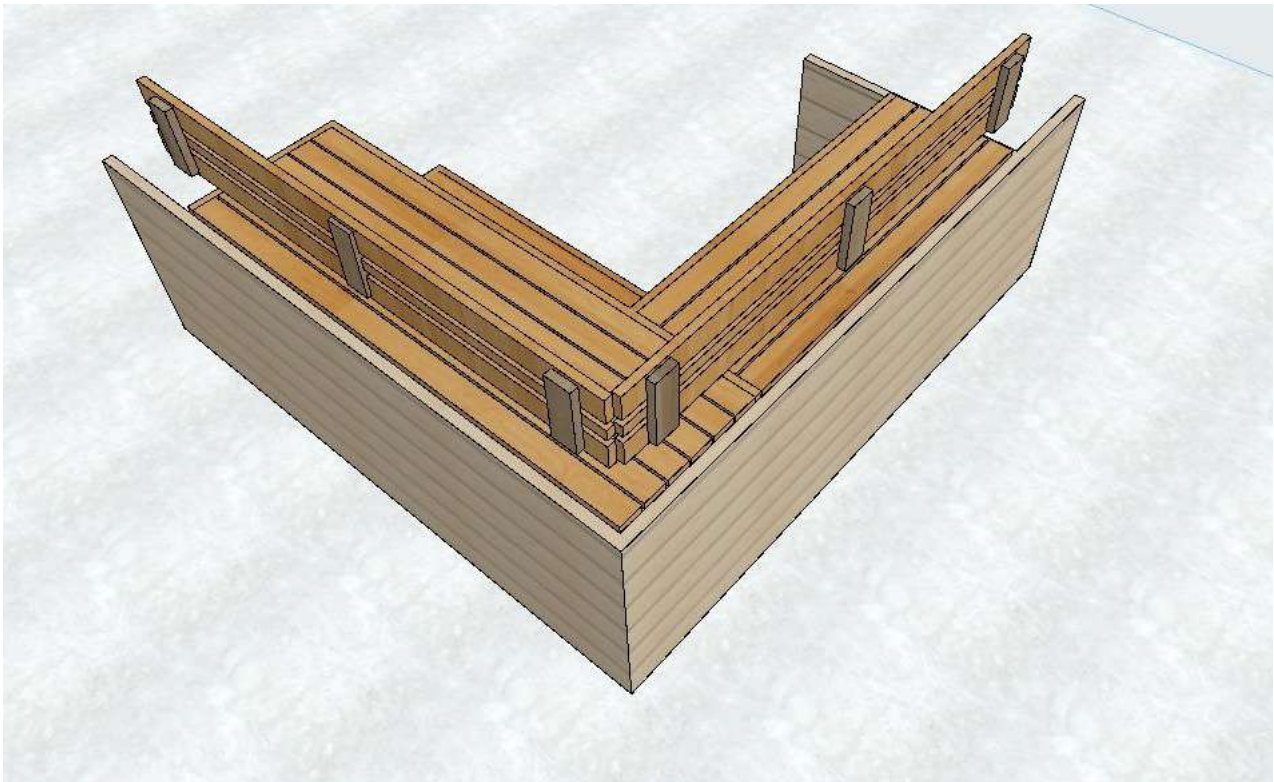
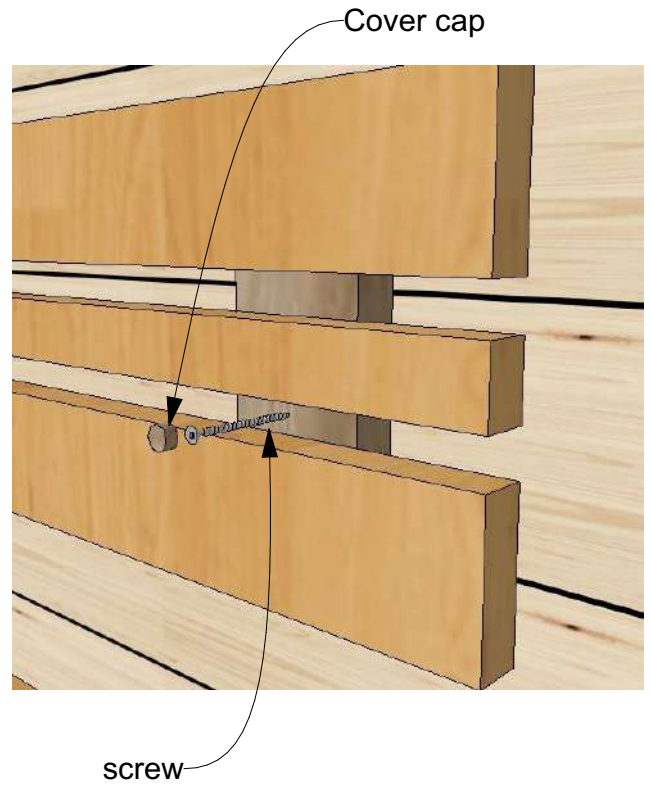
*Optional Back rests

PATIO S

Install back rest approximately 450mm higher than top bench



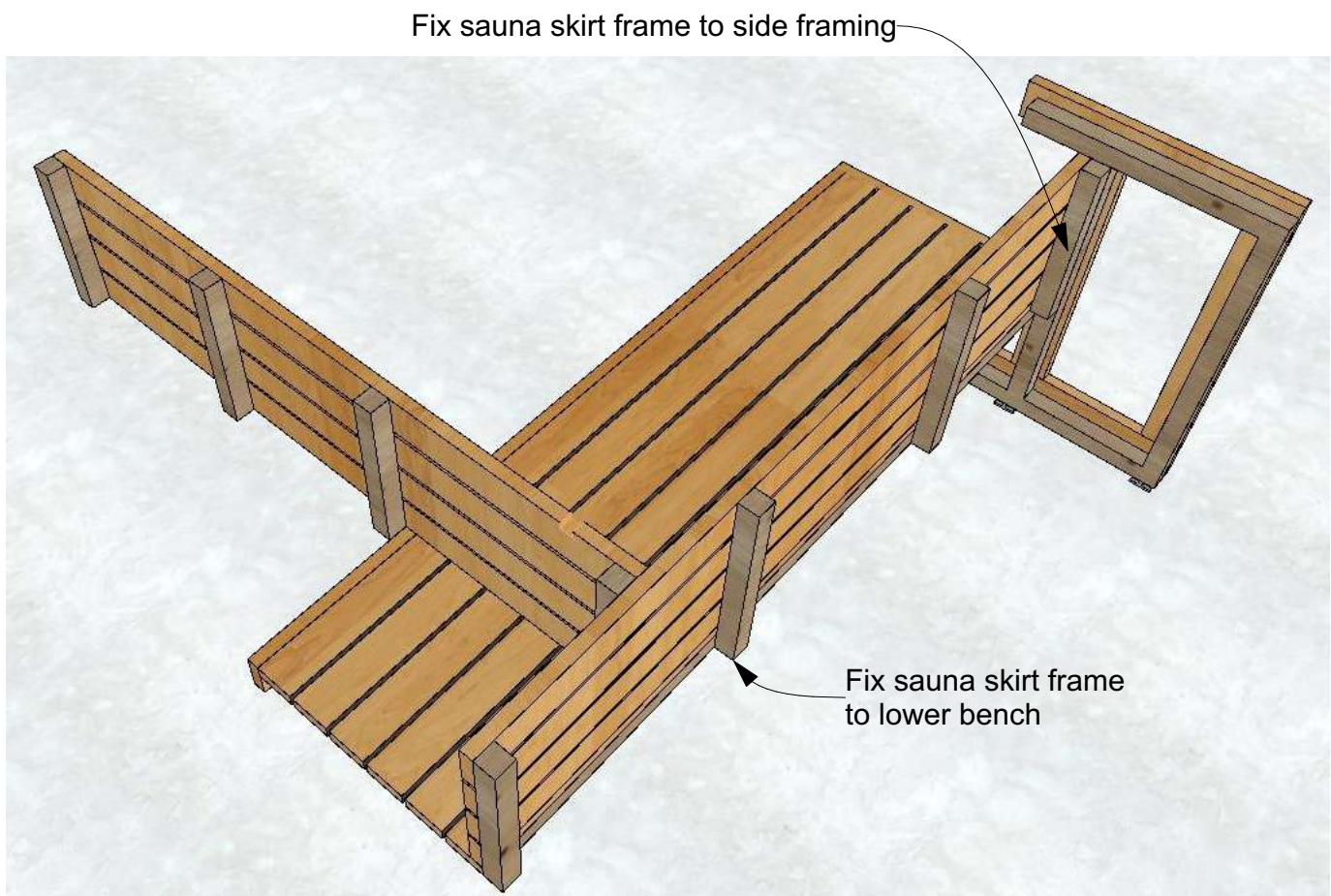
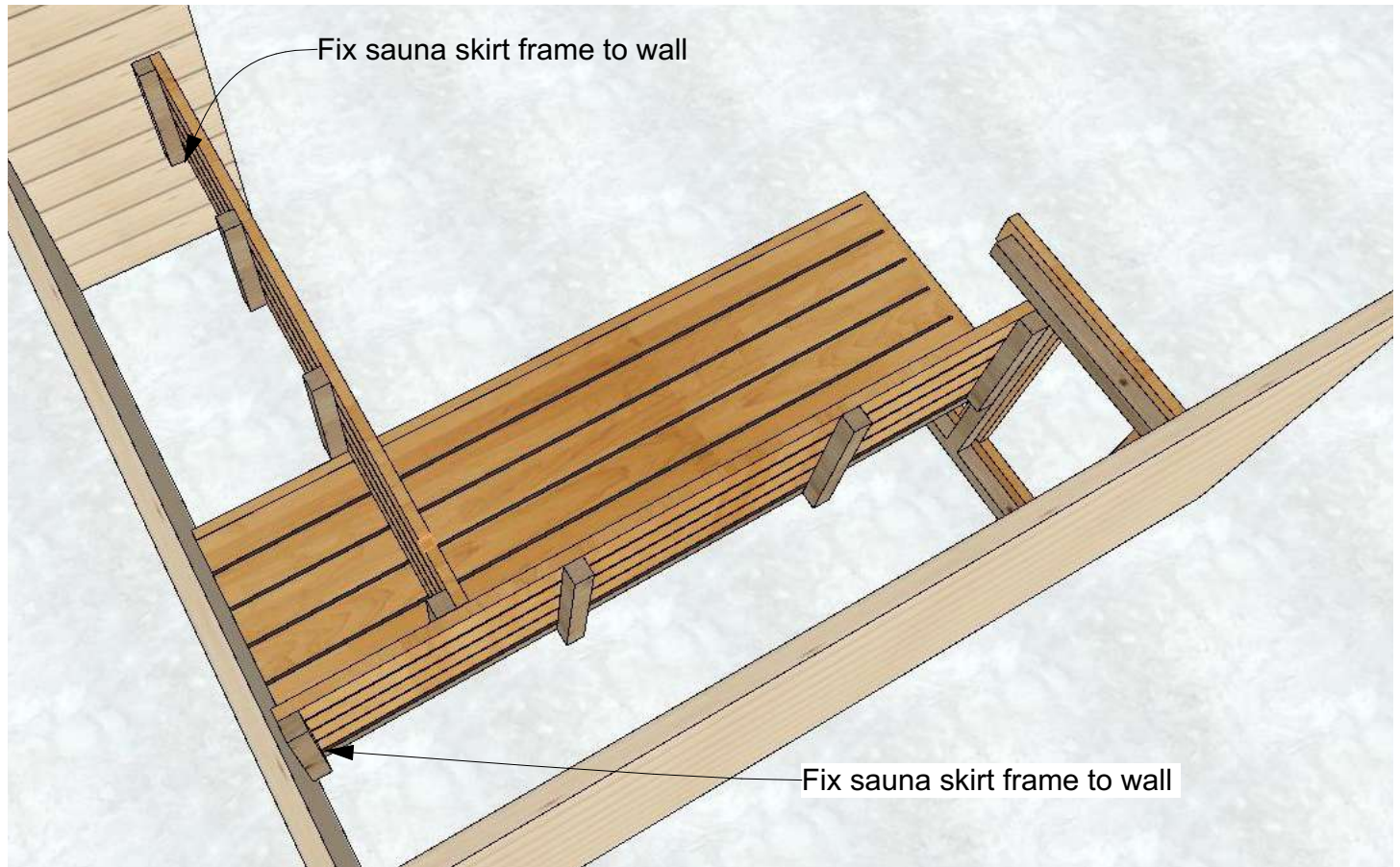
Cover screw holes with cover cap



*Optional Bench Skirts

PATIO S

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



Ventilation Louvre and ventilation grid

⌀ =10cm



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



Ventilation louvre wood



Ventilation grid

Install hole under
sauna ceiling

Install hole under
sauna benches



Tools:

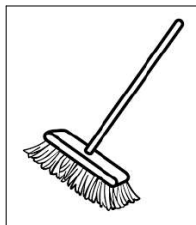


SAFETY FIRTS!

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.

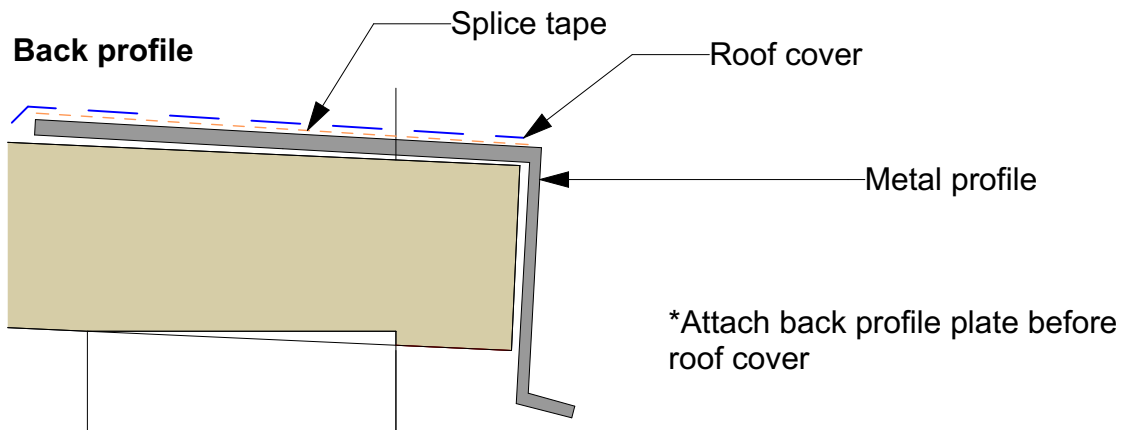


8.



EPDM roof cover

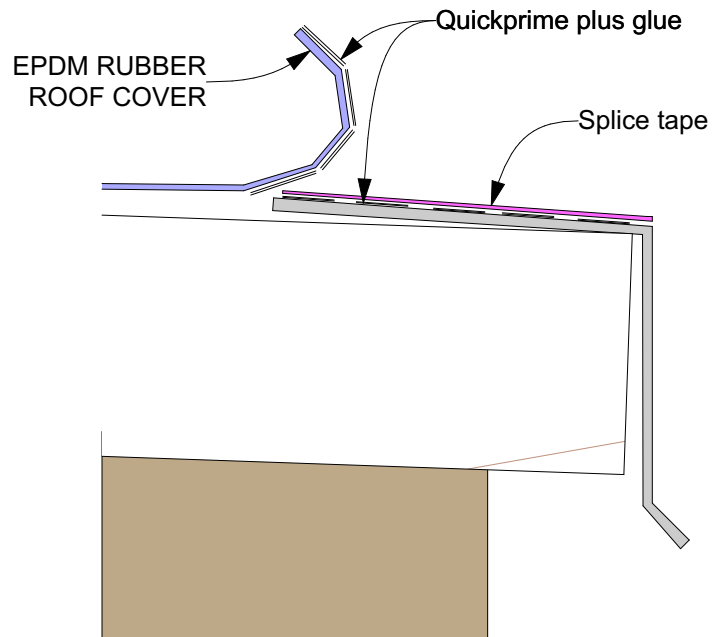
Back metal profile and rubber roof cover:



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



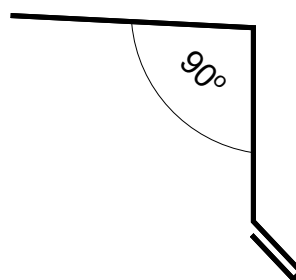
Remove the top side of tape

Patio metal roof profiles

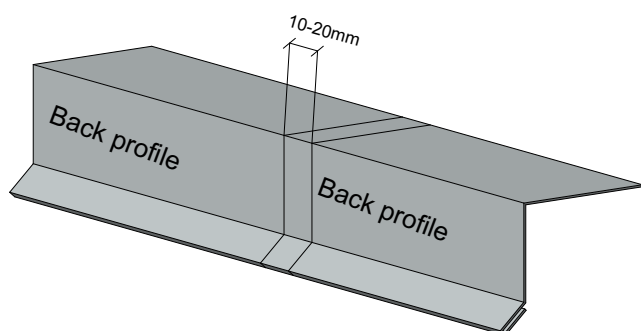
Side and front profile



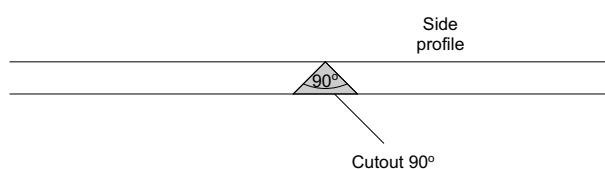
Back profile



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



Back corner:



Front corner:

